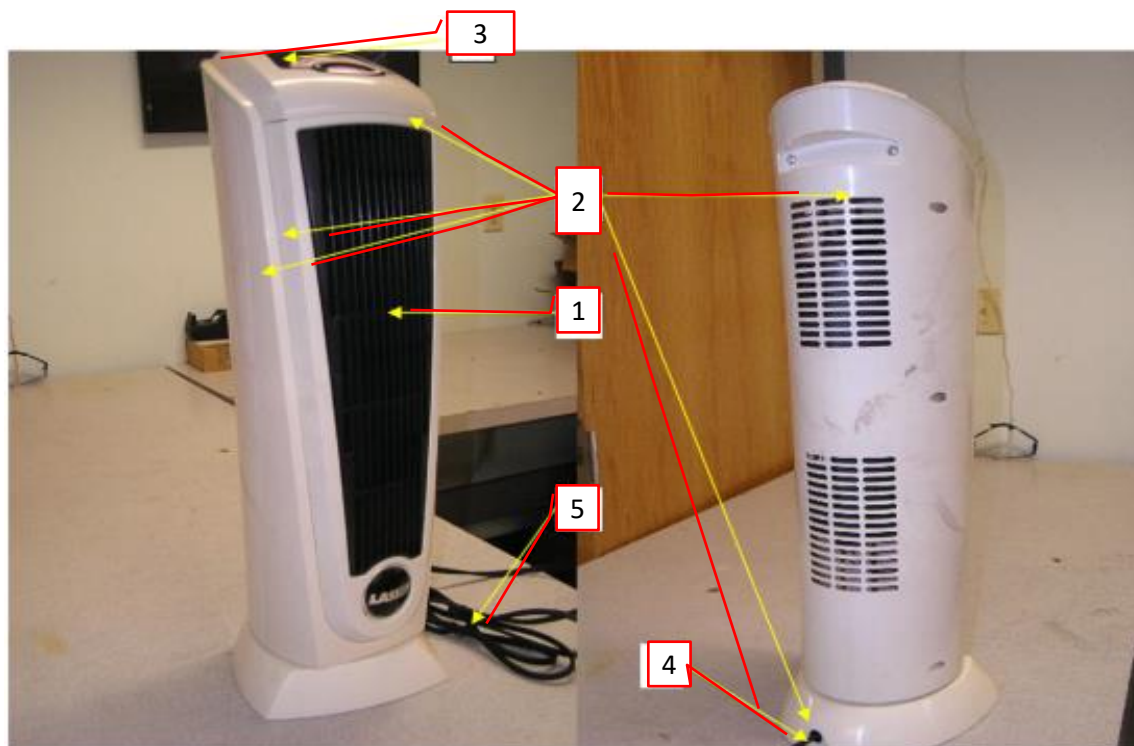


| 1.0 Reference and Address       |                                                                                              |                              |                                                                                                   |
|---------------------------------|----------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------|
| Report Number                   | 103519053CRT-001                                                                             | Original Issued: 11-Jul-2018 | Revised: 7-Mar-2024                                                                               |
| Standard(s)                     | Movable And Wall-Or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4 +R:21Feb2022] |                              |                                                                                                   |
| Entirely Replaces Report Number | 102506189CRT-001                                                                             |                              |                                                                                                   |
| Applicant                       | Lasko Products, LLC                                                                          | Manufacturer                 | <b>Risheng Electrical Appliances Co. Ltd.</b>                                                     |
| Address                         | 820 Lincoln Ave<br>West Chester, PA 19380                                                    | Address                      | Chuangye Industry Zone, Xinhe,<br>Wanjiang District, Dongguan City,<br>Guangdong Province, 523000 |
| Country                         | USA                                                                                          | Country                      | China                                                                                             |
| Contact                         | Parvathi Kodandaraman                                                                        | Contact                      | Xiao Yao Ren                                                                                      |
| Phone                           | (610) 719-8949                                                                               | Phone                        | 86-769-88991018                                                                                   |
| FAX                             | (610) 692-9325                                                                               | FAX                          | 86-769-88991008                                                                                   |
| Email                           | <a href="mailto:pkodandaraman@laskoproducts.com">pkodandaraman@laskoproducts.com</a>         | Email                        | <a href="mailto:xiaoyaoren@vip.163.com">xiaoyaoren@vip.163.com</a>                                |

| 2.0 Product Description |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                 | Movable Room Heater                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Brand name              | Air King, Living Solutions, Lasko                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Description             | The product covered in this report is a 120Vac, 1 Phase, Cord Connected, Movable Room Heater, intended for indoor household use.                                                                                                                                                                                                                                                                                                                                                     |
| Models                  | 751320. 8132. CT22410. CT22415. 751321.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Model Similarity        | <p>Refer to Illustration 6 for comparison table.</p> <p>All models employ PCB 2033500 except for Model CT22415 which uses PCB 2033944.</p> <p>Model CT22410 is identical to 751320 except it uses the metal mesh front grill.</p> <p>Model CT22415 is identical to CT22410 except the control area has a revised look.</p> <p>Model 751321 is same as CT22415 except it uses same plastic front grill, element, element cover, and front body as 751320 and uses PCB 751321 U/M.</p> |
| Ratings                 | 120V, 1500W, 60Hz.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Other Ratings           | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### 3.0 Product Photographs

**Photo 1** - Representative of Model 751320.

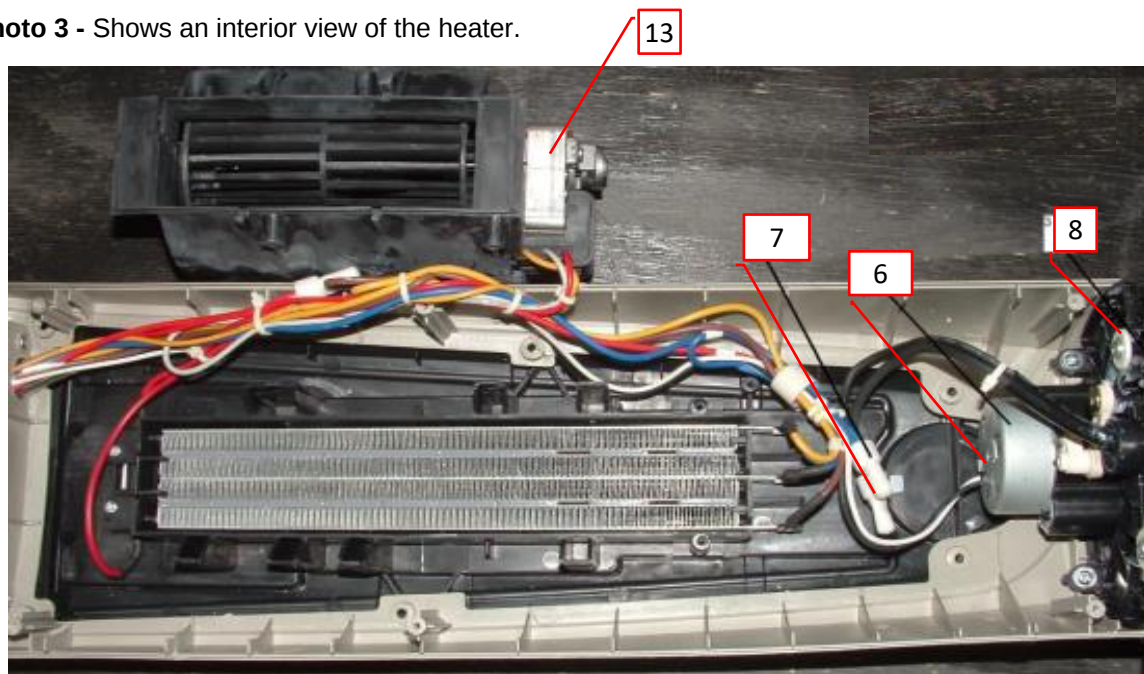


**Photo 2** - Model CT22410

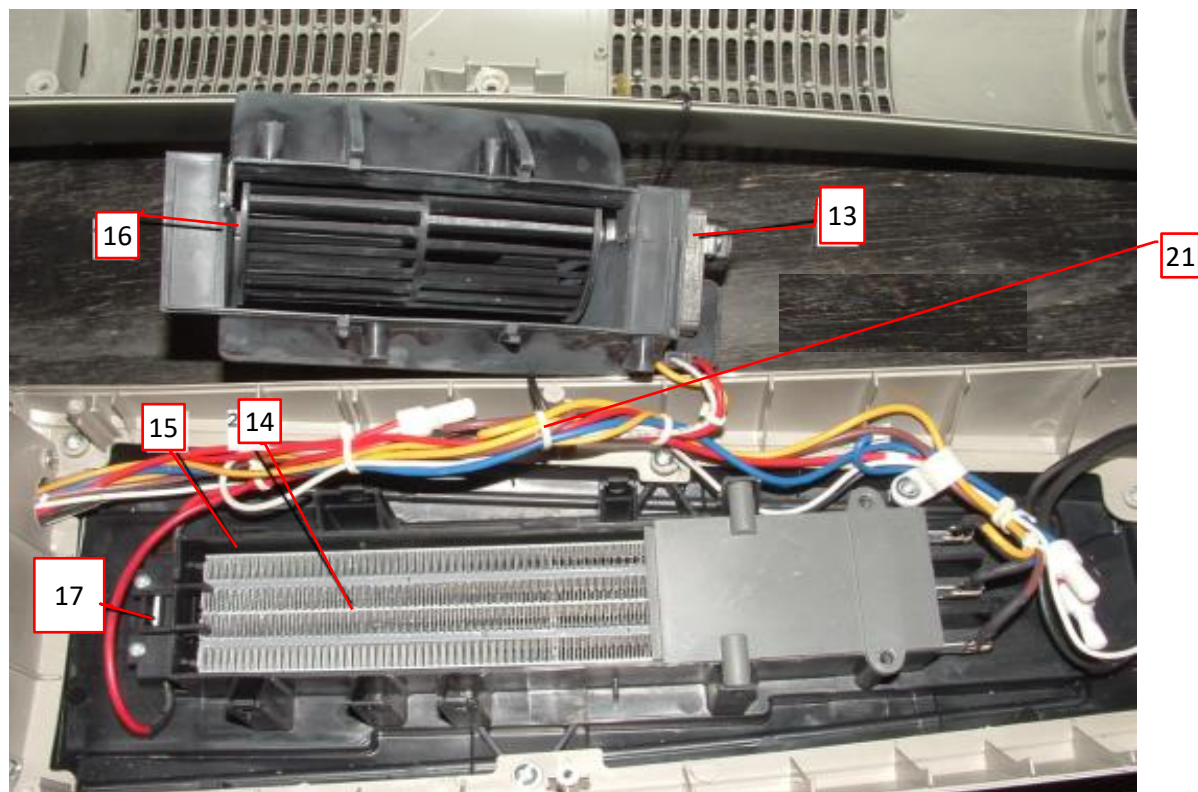


### 3.0 Product Photographs

**Photo 3** - Shows an interior view of the heater.

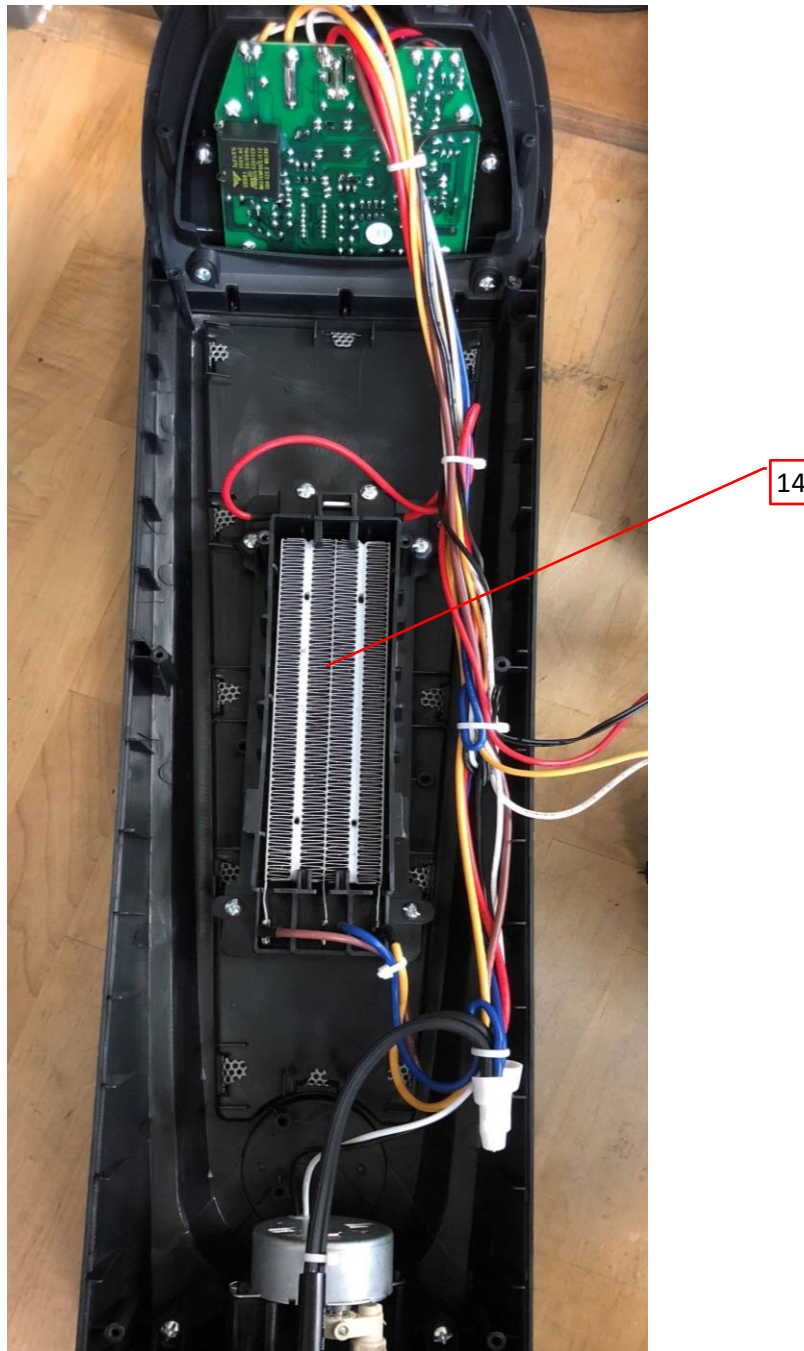


**Photo 4** - Shows the heater and fan assembly.



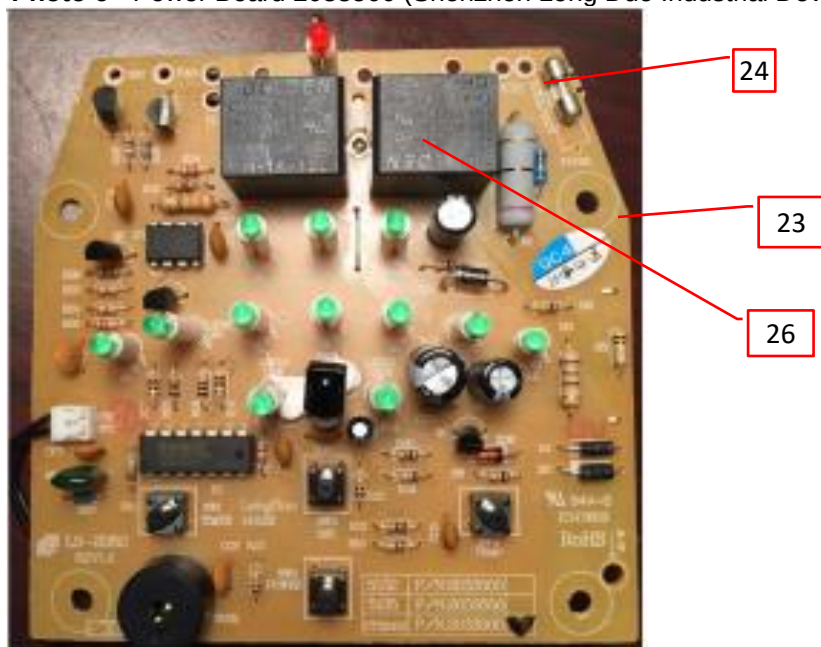
### 3.0 Product Photographs

**Photo 5 - Internal View with 6" Heater Element (Model CT22410)**



### 3.0 Product Photographs

**Photo 6 - Power Board 2033500 (Shenzhen Long Duo Industrial Development Co., LTD)**

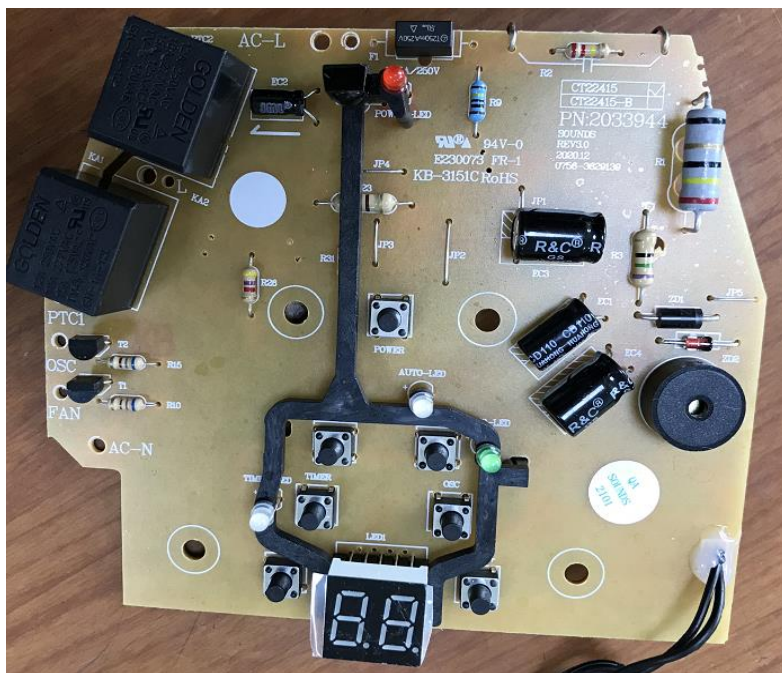


**Photo 7 - Power Board 2033500 (Sounds Electric Co.)**

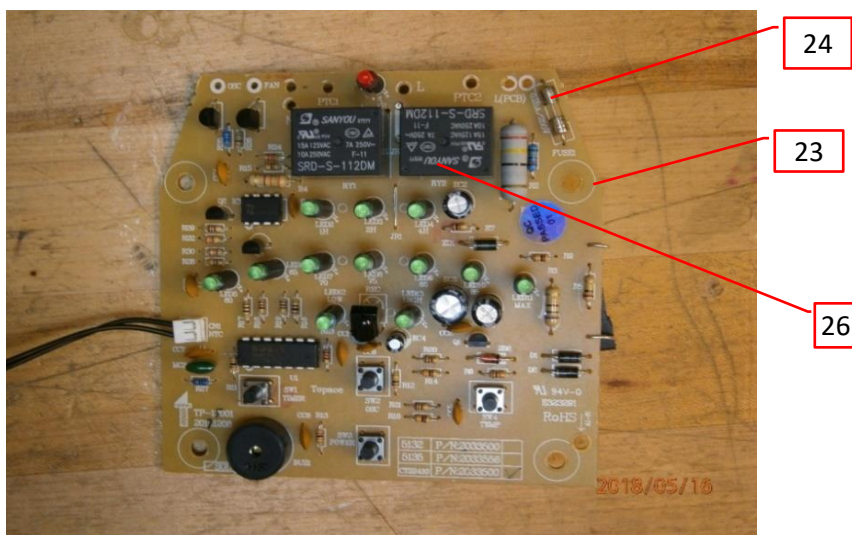


### 3.0 Product Photographs

**Photo 8 - Power Board 2033944 (Sounds Electric Co.)**

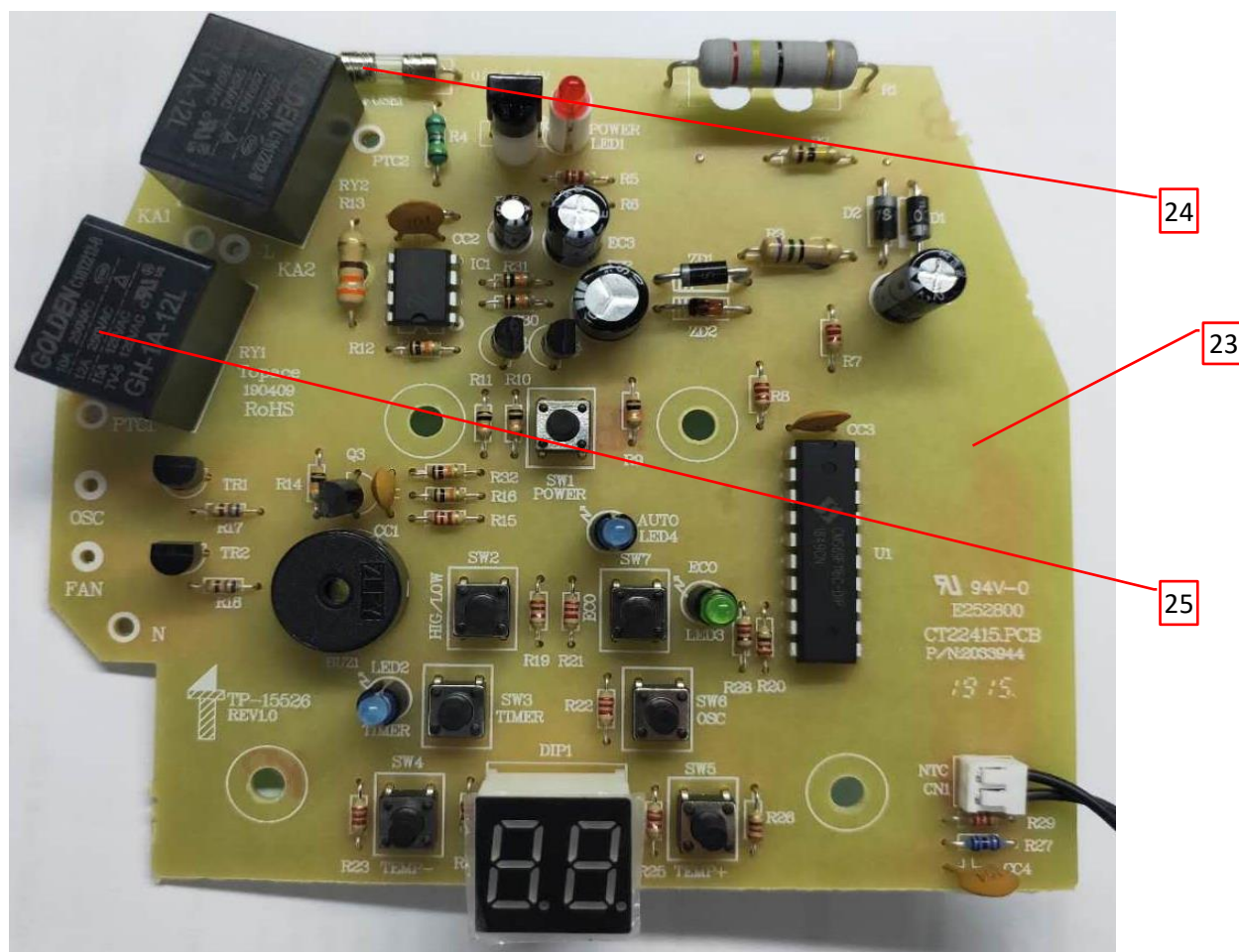


**Photo 9 - Power Board 2033500 (Shenzhen Topace Technology Co. Ltd.)**



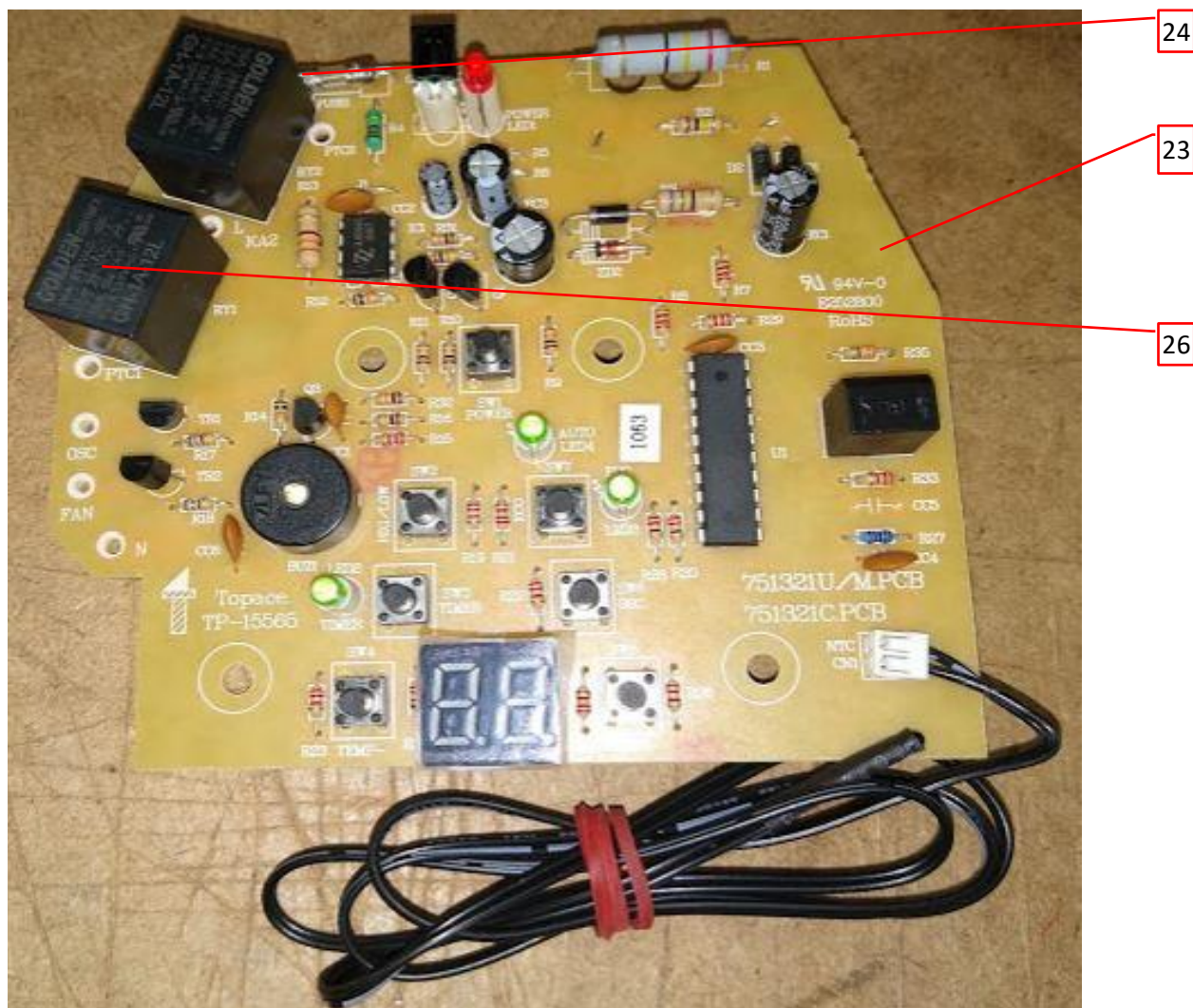
### 3.0 Product Photographs

**Photo 10** - Power Board 2033944 (Shenzhen Topace Technology Co. Ltd.)



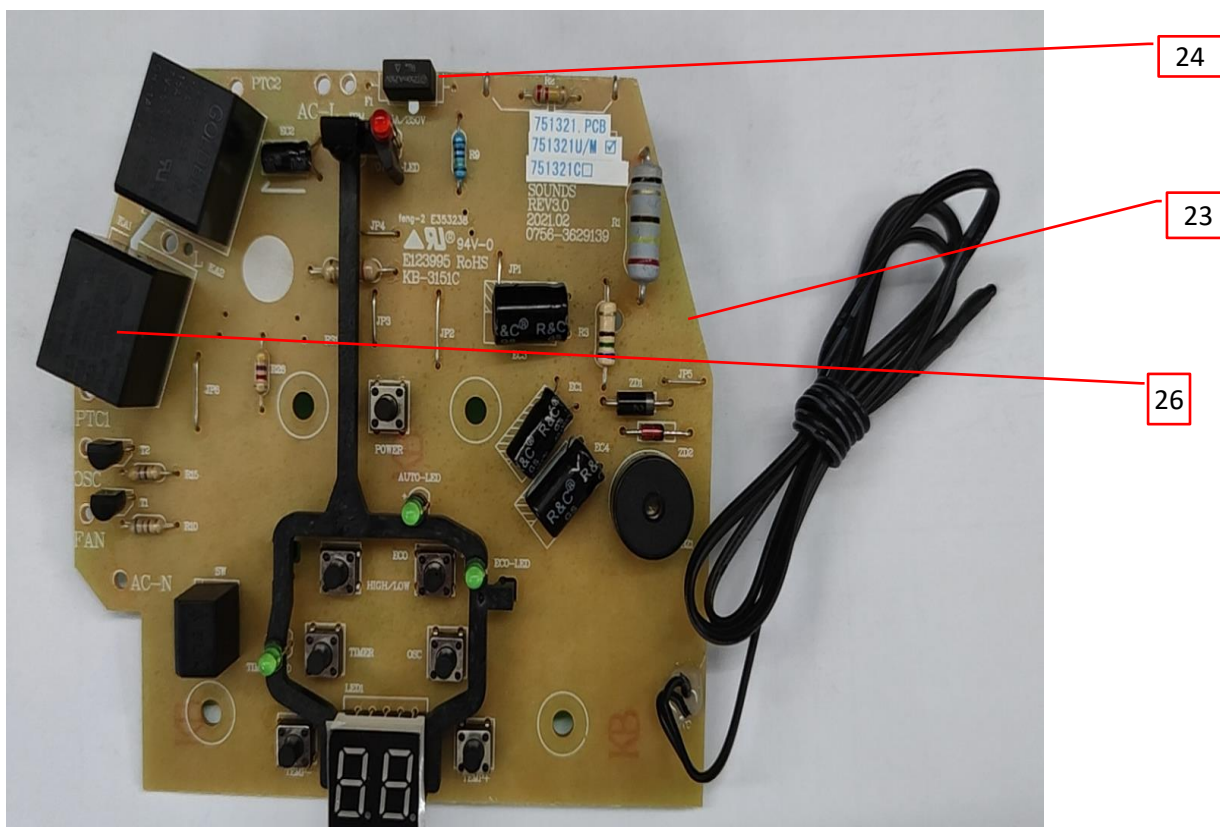
### 3.0 Product Photographs

**Photo 11** - Power Board Shenzhen Topace Technology Co. Ltd. PCB 751321 U/M



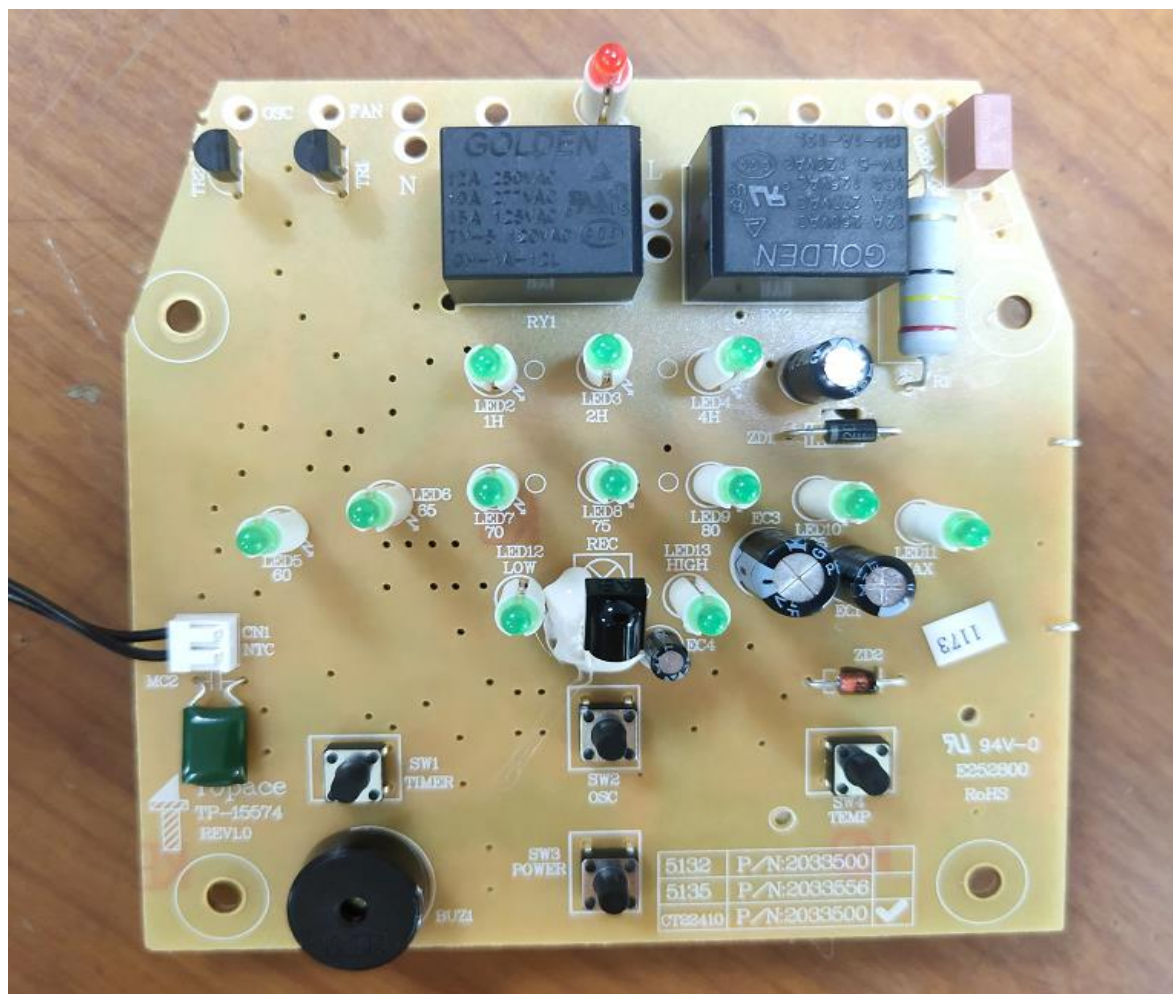
### 3.0 Product Photographs

**Photo 12** - Power Board Sounds Electric Co. PCB 751321 U/M

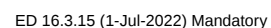


### 3.0 Product Photographs

**Photo 13** - Power Board Topace PBC 2033500



**Photo 14 - Power Board High Honor PCB 2033500**



| 4.0 Critical Components |                       |           |                                                 |                           |                                                                                                                                                                                                                                                                                                                                                              |                                    |
|-------------------------|-----------------------|-----------|-------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Photo #                 | Item no. <sup>1</sup> | Name      | Manufacturer/ trademark <sup>2</sup>            | Type / model <sup>2</sup> | Technical data and securement means                                                                                                                                                                                                                                                                                                                          | Mark(s) of conformity <sup>3</sup> |
| 1                       | 1                     | Grille    | Guangzhou Kingfa Science & Technology Co., Ltd. | PBT-RG301(r1)             | Rated 5VA, min. 1.0 mm thick, 125°C, all colors. Measuring 360 mm long, 117 mm wide by 2.0 mm minimum thickness. Consists of 8 vertical ribs at the bottom, tapering to 12 ribs at the top, each spaced 5 mm apart. Four horizontal ribs are provided, spaced 70 mm apart. Secured to Grill Holder by being wedged between Grill Holder and Front Enclosure. | cURus                              |
|                         |                       |           | Nan Ya Plastics                                 | 1403G6                    | Same as above except rated 94V-0, 130°C, min thickness 0.9mm.                                                                                                                                                                                                                                                                                                |                                    |
| 2                       | 1a                    | Grille    | Various                                         | Perforated Steel          | Perforated Steel, grid pattern with staggered 9 holes per inch. Hole diameter 2.28mm minimum by 2.36mm maximum, 1.00 minimum thickness. Secured to Grill Holder by being wedged between Grill Holder and Front Enclosure. Used in Model CT22410 and CT22415.                                                                                                 | NR                                 |
| 1                       | 2                     | Enclosure | LG Chemical Ltd.                                | AF312B                    | Consists of front, rear, base, grille holder, and top. Rated 94-5VB, min. 2.1 mm thick, 60°C, all colors. The rear is provided with two sections of vent openings, each with 15 rows, three columns. Each opening measures approx. 23 mm long, 5 mm wide. The front is secured to the back by six screws.                                                    | cURus                              |
|                         |                       |           |                                                 | AF305                     | Consists of front, rear, base, grille holder, and top. 5VA, minimum 2.0mm thick. The rear is provided with two sections of vent openings, each with 15 rows, three columns. Each opening measures approx. 23 mm long, 5 mm wide. The front is secured to the back by six screws.                                                                             |                                    |
|                         |                       |           | Poly Engineering Plastics Co., Ltd.             | PC201T                    | Rated 94-V-0, min. 1.7 mm thick, 60°C, all colors.                                                                                                                                                                                                                                                                                                           |                                    |

| 4.0 Critical Components |                       |          |                                      |                           |                                                                               |                                    |
|-------------------------|-----------------------|----------|--------------------------------------|---------------------------|-------------------------------------------------------------------------------|------------------------------------|
| Photo #                 | Item no. <sup>1</sup> | Name     | Manufacturer/ trademark <sup>2</sup> | Type / model <sup>2</sup> | Technical data and securement means                                           | Mark(s) of conformity <sup>3</sup> |
| 1                       | 3                     | Top Lens | LG Chemical Ltd                      | GN-1006F                  | Rated 94-V-0, min. 2.5mm thick, 120°C, all colors. Used in model 751321 only. | cURus                              |

| 4.0 Critical Components |                       |                                        |                                                 |                           |                                                                                                                                                                                                                                                                                                                                                                   |                                    |
|-------------------------|-----------------------|----------------------------------------|-------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Photo #                 | Item no. <sup>1</sup> | Name                                   | Manufacturer/ trademark <sup>2</sup>            | Type / model <sup>2</sup> | Technical data and securement means                                                                                                                                                                                                                                                                                                                               | Mark(s) of conformity <sup>3</sup> |
| 1                       | 4                     | Cord Anchor                            | LG Chemical Ltd.                                | AF312B                    | Rated 94-5VB, min. 2.1 mm thick, 60°C, all colors. Secured to Oscillation Base by two screws. Also consists of the power cord being routed around an integrally molded post with a channel surrounding the post and a screw and washer assembly secured to the top of                                                                                             | cURus                              |
| 1                       | 5                     | Power Cord                             | Various                                         | HPN-R                     | 105°C, minimum 16 AWG, terminating into a molded on polarized parallel blade 1-15P, 15A attachment plug. Model 8132 only uses 5-15P, 15A, 3 prong grounding style plug for 3 conductor cord. Provided with Recognized sleeving, rated min. 300 V, 105 C, where the cord passes through the oscillation plate and into the main body of the heater. Length: 6-8ft. | cURus                              |
| 3                       | 6                     | Oscillator motor                       | Foshan Shunde Hengxing Micro Motor Co.          | TYJ50-8A                  | 120 V, 60 Hz, 4W, 3RPM.                                                                                                                                                                                                                                                                                                                                           | cURus                              |
|                         |                       |                                        | Creative Motor Mfg. Co. Ltd.                    | TYC50 (H21)               | 120 V, 60 Hz, 4W, 3RPM.                                                                                                                                                                                                                                                                                                                                           |                                    |
| 3                       | 7                     | Close End Connector                    | Various                                         | CE5<br>CE2                | V-0, 300V, 150°C.                                                                                                                                                                                                                                                                                                                                                 | cURus                              |
| 3                       | 8                     | Oscillation Plate                      | LG Chemical Ltd.                                | AF312B                    | 94-5VB, min. 2.1 mm thick, 60°C, all colors                                                                                                                                                                                                                                                                                                                       | cURus                              |
| 3                       | 9                     | Oscillation Cam(Not Shown)             | Guangzhou Kingfa Science & Technology Co., Ltd. | PA66-RG301                | 94V-0, min. 0.9 mm thick, 65°C, all colors                                                                                                                                                                                                                                                                                                                        | cURus                              |
| 3                       | 10                    | Center Oscillation Bushing (Not Shown) | Guangzhou Kingfa Science & Technology Co., Ltd. | PA66-RG301                | 94V-0, min. 0.9 mm thick, 65°C, all colors                                                                                                                                                                                                                                                                                                                        | cURus                              |
| 3                       | 11                    | Oscillation Link Arm (Not Shown)       | Guangzhou Kingfa Science & Technology Co., Ltd. | PA66-RG301                | 94V-0, min. 0.9 mm thick, 65°C, all colors                                                                                                                                                                                                                                                                                                                        | cURus                              |
| 3                       | 12                    | Gasket (Not Shown)                     | Guangzhou Kingfa Science & Technology Co., Ltd. | PA66-RG301                | 94V-0, min. 0.9 mm thick, 65°C, all colors                                                                                                                                                                                                                                                                                                                        | cURus                              |

| 4.0 Critical Components |                       |                        |                                                  |                           |                                                                                                                                      |                                    |
|-------------------------|-----------------------|------------------------|--------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Photo #                 | Item no. <sup>1</sup> | Name                   | Manufacturer/ trademark <sup>2</sup>             | Type / model <sup>2</sup> | Technical data and securement means                                                                                                  | Mark(s) of conformity <sup>3</sup> |
| 3,4                     | 13                    | Fan Motor              | Risheng Electric Company                         | 2033043                   | 120Vac,60 Hz, 0.35A.                                                                                                                 | See 5.0                            |
|                         |                       |                        |                                                  | 2033064                   | 120Vac,60 Hz, 0.35A                                                                                                                  | See 5.0                            |
| 4,5                     | 14                    | Ceramic Heater Element | Dongguan City Longkey Electronics Co Ltd         | RFB                       | 148mm*44mm*15mm. Rated 120V, 60Hz, 1500W. Used in Models CT22410, CT22415.                                                           | cURus                              |
|                         |                       |                        | Victon Industrial Ltd.                           | HF                        |                                                                                                                                      |                                    |
|                         |                       |                        | Dongguan Longyang Electronic Technology Co Ltd   | LYB                       |                                                                                                                                      |                                    |
|                         |                       |                        | Dongguan City Longkey Electronic Co.             | RFB082E/1K5               | Measuring: 238mm x 44mm x 15mm, rated 120 V, 60 Hz, 1500 W. Used in Models 751320, 8132, 751321. May be marked w/ Lasko P/N 2033306. |                                    |
|                         |                       |                        | Changshu Leeshr Heating Technology Co Ltd.       | LSFRT                     | Measuring: 238mm x 44mm x 15mm, rated 120 V, 60 Hz, 1500 W. Used in Models 751320, 8132 May be marked w/ Lasko P/N 2033314.          |                                    |
|                         |                       |                        | Victon Technologies                              | HF114U2D1                 | Measuring: 238mm x 44mm x 15mm, rated 120 V, 60 Hz, 1500 W. Used in Models 751320, 8132. May be marked with Lasko P/N 2033318V.      |                                    |
|                         |                       |                        | Dongguan Longyang Electronic Technology Co. Ltd. | LYB                       | Measuring: 238mm x 44mm x 15mm, rated 120 V, 60 Hz, 1500 W. Used in Models 751320, 8132, 751321.                                     |                                    |
| 4                       | 15                    | Heater Element Bracket | Guangzhou Kingfa Science & Technology Co., Ltd.  | PBT-RG301(r1)             | 94V-0, min. 1.5 mm thick, 140°C, HWI-2, HAI-3, all colors.                                                                           | cURus                              |
|                         |                       |                        | Nan Ya Plastics                                  | 1403G6                    | 94V-0, 130°C, min thickness 1.5mm.                                                                                                   |                                    |
| 4                       | 16                    | Heater Blower Housing  | Guangdong SK Advanced Polymer Co., Ltd           | F430                      | 94V-0, min. 1.6 mm thick, 65°C, RD, BK. Consists of two halves held together by screws.                                              | cURus                              |
|                         |                       |                        | Polyrocks Chemical Co.                           | 168(+)(F1)                | 94V-0, min. 1.5 mm thick, 120°C, RD, BK. Consists of two halves held together by screws. Used in model 751321 only.                  | cURus                              |

| 4.0 Critical Components |                       |                         |                                                   |                           |                                                                                                                                    |                                    |
|-------------------------|-----------------------|-------------------------|---------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Photo #                 | Item no. <sup>1</sup> | Name                    | Manufacturer/ trademark <sup>2</sup>              | Type / model <sup>2</sup> | Technical data and securement means                                                                                                | Mark(s) of conformity <sup>3</sup> |
| 4                       | 17                    | Manual Reset Cutout     | Au One Electrical                                 | AUT-70P                   | 125 V ac, 16 A, set to open at 70°. Used for models CT22410, CT22415.                                                              | cURus                              |
|                         |                       |                         |                                                   | AUT-65P                   | 125 V ac, 16 A, set to open at 65°. For models 751320, 8132, 751321 and 8132                                                       |                                    |
|                         |                       |                         | Foshan Eagle Technology Co Ltd.                   | AMT-P2                    | 125 V ac, 16 A, set to open at 70°. Used for models CT22410, CT22415. 125V ac, 16 A, set to open at 65°C. Used for model 751321.   |                                    |
| 4                       | 18                    | Power Board (Not Shown) | Sounds Electric Co.                               | 2033500                   | 120Vac, 60Hz. Using components 23, 24,25, and 26. Refer to Illustration 3 for drawing. Refer to Illustration 6 for model usage.    | NR                                 |
|                         |                       |                         | Shenzhen Long Duo Industrial Development Co., LTD | 2033500                   | 120Vac, 60Hz. Using components 23, 24, 25, and 26. Refer to Illustration 2 for drawing.Refer to Illustration 6 for model usage.    | NR                                 |
|                         |                       |                         | Sounds Electric Co.                               | 2033944                   | 120Vac, 60Hz. Using components 23, 24, 25, and 26. Refer to Illustration 5.1 for drawing. Refer to Illustration 6 for model usage. | NR                                 |
|                         |                       |                         | Shenzhen Topace Technology Co. Ltd.               | 2033500                   | 120Vac, 60Hz. Using components 23, 24, 25, 26, 30, Refer to Illustration 8 for drawing. Refer to Illustration 6 for model usage.   | NR                                 |
|                         |                       |                         | Shenzhen Topace Technology Co. Ltd.               | 2033944                   | 120Vac, 60Hz. Using components 23, 24, 25, 26. Refer to Illustration 9 for drawing. Refer to Illustration 6 for model usage.       | NR                                 |
|                         |                       |                         | Shenzhen Topace Technology Co. Ltd.               | 751321 U/M                | 120Vac, 60Hz. Using components 23, 24, 26. Refer to Illustration 10 for drawing. Refer to Illustration 6 for model usage.          | NR                                 |
|                         |                       |                         | Sounds Electric Co.                               | 751321 U/M                | 120Vac, 60Hz. Using components 23, 24, 26. Refer to Illustration 11 for drawing. Refer to Illustration 6 for model usage.          | NR                                 |

| 4.0 Critical Components |                       |                                        |                                      |                           |                                                                                                                                                                                                                                                   |                                    |
|-------------------------|-----------------------|----------------------------------------|--------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Photo #                 | Item no. <sup>1</sup> | Name                                   | Manufacturer/ trademark <sup>2</sup> | Type / model <sup>2</sup> | Technical data and securement means                                                                                                                                                                                                               | Mark(s) of conformity <sup>3</sup> |
| 5                       | 19                    | Tip-Over Switch (Not Shown) (Optional) | Changzhou Jinhe Electronics          | XCK                       | 125VAC, 20A, 60Hz, 6K Cycles Min 150°C                                                                                                                                                                                                            | cURus                              |
| 5                       | 20                    | Label Material (Not Shown)             | Various                              | Various                   | Pressure Sensitive. UL 969 rated for application. 150°C to -40°C                                                                                                                                                                                  | cURus                              |
| 4                       | 21                    | Internal wire                          | Various                              | 1015                      | 16AWG, 105°C, 600V                                                                                                                                                                                                                                | cURus                              |
| 1                       | 22                    | Cord Tag (Not Shown)                   | Lasko Products, LLC                  | Tyvek L 1057D             | Label secured with adhesive, DRAGON-FC Ink imprinted on top of base material. Rated for use on HPN-R cord 16AWG or larger. If the component does not bear the mark of conformity, refer to ETL report 100775497CRT-001 to inspect this component. | ETLus Recognized                   |
| 6, 9, 10, 11, 12        | 23                    | PCB                                    | Various                              | Various                   | V-0,130°C                                                                                                                                                                                                                                         | UR                                 |
| 6, 9, 10, 11, 12        | 24                    | Fuse                                   | Various                              | Various                   | 250V, 0.25A, slow blow                                                                                                                                                                                                                            | UR                                 |
| 6,10                    | 25                    | Capacitor (Not Shown)                  | Various                              | CBB61                     | 250Vac, 3μF (All boards)                                                                                                                                                                                                                          | UR                                 |
|                         |                       |                                        |                                      | Various                   | 16V, 47μF (Shenzhen Long Duo Industrial Development Co., LTD, Shenzhen Topace Technology Co. Ltd., and Sounds Electric Co. 2033944 boards only)                                                                                                   | NR                                 |
|                         |                       |                                        |                                      |                           | 25V, 220μF (Shenzhen Long Duo Industrial Development Co., LTD and Shenzhen Topace Technology Co. Ltd. boards only)                                                                                                                                |                                    |
|                         |                       |                                        |                                      |                           | 16V, 470μF (All boards)                                                                                                                                                                                                                           |                                    |
|                         |                       |                                        |                                      |                           | 25V, 100μF (Sounds Electric Co. boards only)                                                                                                                                                                                                      |                                    |
|                         |                       |                                        |                                      |                           | 25V, 470μF (Sounds Electric Co. and Shenzhen Topace Technology Co. Ltd. boards only)                                                                                                                                                              |                                    |

| 4.0 Critical Components |                       |                                             |                                      |                                         |                                                                                            |                                    |
|-------------------------|-----------------------|---------------------------------------------|--------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------|
| Photo #                 | Item no. <sup>1</sup> | Name                                        | Manufacturer/ trademark <sup>2</sup> | Type / model <sup>2</sup>               | Technical data and securement means                                                        | Mark(s) of conformity <sup>3</sup> |
| 6, 9, 11, 12            | 26                    | Relay                                       | Various                              | Various                                 | 125Vac, 15A                                                                                | UR                                 |
| 6                       | 27                    | Power Switching Semi-conductors (Not shown) | STMicro                              | Z0607                                   | Rated minimum 1A (All boards)                                                              | NR                                 |
|                         |                       |                                             | SanRex                               | TMG1E followed by up to two characters. |                                                                                            |                                    |
|                         |                       |                                             | ON-Semi                              | Z0107                                   |                                                                                            |                                    |
|                         |                       |                                             | Lite On                              | T1M5F                                   | Rated minimum 1A (Boards 2033500 only)                                                     |                                    |
|                         |                       |                                             | ADV                                  | ADV S1D80                               |                                                                                            |                                    |
|                         |                       |                                             | Lite On                              | T1M5F-600A TO-92                        | Rated minimum 1A (Board 2033944 only)                                                      |                                    |
|                         |                       |                                             | ADV                                  | ADV S1D80                               |                                                                                            |                                    |
|                         |                       |                                             | STMicro                              | TO-92 BT131                             | Rated minimum 1A (Sounds Electric Co. and Shenzhen Topace Technology Co. Ltd. boards only) |                                    |
| 6                       | 28                    | Diode (Not shown)                           | Various                              | Various                                 | IN4007 (All boards)                                                                        | NR                                 |
|                         |                       |                                             |                                      |                                         | IN4148 (Sounds Electric Co. 2033500 board only)                                            |                                    |
|                         |                       |                                             |                                      |                                         | M7 (Board 2033944 only)                                                                    |                                    |
|                         |                       |                                             |                                      |                                         | SMA4007 (Board 2033944 only)                                                               |                                    |
| 6                       | 29                    | Zenner Diode (Not shown)                    | Various                              | Various                                 | 2EZ12D5 (Shenzhen Long Duo Industrial Development Co., LTD board only)                     | NR                                 |
|                         |                       |                                             |                                      |                                         | IN4733A (All boards)                                                                       |                                    |
|                         |                       |                                             |                                      |                                         | 212D5 (Sounds Electric Co. boards only)                                                    |                                    |
| 6                       | 30                    | Resistor (Not shown)                        | Various                              | Various                                 | 24Ω, 3W (All boards)                                                                       | NR                                 |
|                         |                       |                                             |                                      |                                         | 75Ω, 0.5W (All boards)                                                                     |                                    |
|                         |                       |                                             |                                      |                                         | 330Ω, 0.5W (Shenzhen Long Duo Industrial Development Co., LTD board only)                  |                                    |
|                         |                       |                                             |                                      |                                         | 100Ω, 0.25W (Sounds Electric Co. 2033500 board only)                                       |                                    |
| 6                       | 31                    | Wire (Not shown)                            | Various                              | 2468                                    | Minimum 26AWG, 105°C, 300V (Shenzhen Long Duo Industrial Development Co., LTD board only)  | UR                                 |
|                         |                       |                                             |                                      |                                         | Minimum 26AWG, 80°C, 300V (2033500 boards only)                                            |                                    |
| 13                      | 32                    | Fuse Box                                    | Various                              | Various                                 | 250mA/250V                                                                                 | UR                                 |

| 4.0 Critical Components |                       |                                           |                                                           |                           |                                                                                                       |                                    |
|-------------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------|
| Photo #                 | Item no. <sup>1</sup> | Name                                      | Manufacturer/ trademark <sup>2</sup>                      | Type / model <sup>2</sup> | Technical data and securement means                                                                   | Mark(s) of conformity <sup>3</sup> |
| 14                      | 33                    | Power Board                               | High Honor                                                | 2033500                   | 120Vac, 60Hz. Using components 34, 35, 36, 37, 38, 39, 40-45. Refer to Illustration 13 for schematic. | NR                                 |
| 14                      | 34                    | Zenner Diode                              | Binhai Zhirun ELECTRONICS CO.,LTD                         | 2EZ12D5                   | 2W 12V DO-41                                                                                          | NR                                 |
|                         |                       |                                           |                                                           | IN4733A                   | 5.1V 1W DO-41                                                                                         |                                    |
| 14                      | 35                    | Capacitor (EC3)                           | DongGuan ChuangHui Electronics Factory                    | Electrolytic capacitor    | 25V 470UF ±20%                                                                                        | NR                                 |
|                         |                       |                                           | Shenzhen Hync Electronic Co., Ltd                         |                           |                                                                                                       |                                    |
|                         |                       |                                           | Foshan Tairong Electronics Co., Ltd                       |                           |                                                                                                       |                                    |
| 14                      | 36                    | Triac                                     | JIEJIE MICROELECTRONICS CO., Ltd                          | BT131                     | TO-92                                                                                                 | NR                                 |
|                         |                       |                                           | FUXIN MICROELECTRONICS CO., LTO.                          |                           |                                                                                                       |                                    |
|                         |                       |                                           | JILAI MICROELECTRONICS                                    |                           |                                                                                                       |                                    |
| 14                      | 37                    | Metalized Polyester Capacitor (not shown) | FOSHAN CITY SHUDE XUNDE ELECTRICAL AND ELECTRONIC CO.,LTD | CBB61                     | 250V 3μF, 50/60Hz, 85°C                                                                               | UR                                 |
|                         |                       |                                           | GUANGDONG FENGMING ELECTRONIC TECH CO LTD                 |                           |                                                                                                       |                                    |
| 14                      | 38                    | PCB                                       | Various                                                   | FR-1                      | 94 V0, min 1.6mm, min 130°C                                                                           | UR                                 |
| 14                      | 39                    | Fuse                                      | DONGGUAN BETTER ELECTRONICS CO.,Ltd                       | 332                       | 250mA 250V                                                                                            | UR                                 |
|                         |                       |                                           | SHENZHEN LANSON ELECTRONICS CO LTD                        | 3K                        |                                                                                                       |                                    |
|                         |                       |                                           | XC ELECTRONICS (SHENZHEN)CORP.,LTD                        | 3T or 3S                  |                                                                                                       |                                    |

| 4.0 Critical Components                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                             |                                                              |                                          |                                     |                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|--------------------------------------------------------------|------------------------------------------|-------------------------------------|------------------------------------|
| Photo #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Item no. <sup>1</sup> | Name                        | Manufacturer/ trademark <sup>2</sup>                         | Type / model <sup>2</sup>                | Technical data and securement means | Mark(s) of conformity <sup>3</sup> |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 40                    | Wire                        | Various                                                      | 2468                                     | 26AWG 300V 80°C L=700MM             | UR                                 |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 41                    | Capacitor (EC18)            | DongGuan<br>Shenzhen Hync<br>Foshan Tairong Electronics Co., | Electrolytic capacitor                   | 16V 470UF ±20%                      | NR                                 |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 42                    | Capacitor (EC2)             | DongGuan<br>Shenzhen Hync<br>Foshan Tairong Electronics Co., | Electrolytic capacitor                   | 25V 100UF ±20%                      | NR                                 |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 43                    | Capacitor (EC8) (not shown) | DongGuan<br>Shenzhen Hync<br>Foshan Tairong Electronics Co., | Electrolytic capacitor                   | 16V 47UF ±20%                       | NR                                 |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 44                    | Resistor                    | Shenzhen Dongling Electronics Co., Ltd                       | Carbon Resistor                          | 1/2W 75Ω ±5%                        | NR                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                             |                                                              | Carbon Resistor                          | 1/4W 1MΩ ±1%                        |                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                             |                                                              | Carbon Resistor                          | 1/2W 330Ω ±5%                       |                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                             |                                                              | Oxide film resistance                    | 3W 24Ω ±5%                          |                                    |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 45                    | Relay                       | Various                                                      | GH-1A-12L<br>SRD-S-112DM<br>Y3F-SS-112DM | 10A/12A 250V, 15A 125V, TV-5 120V   | UR                                 |
| NOTES:<br>1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.<br>2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.<br>3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details. |                       |                             |                                                              |                                          |                                     |                                    |

## 5.0 Critical Unlisted CEC Components

| INSULATED COIL                                                          |          |                                                         |                          |                                           |                              |                    |                            |
|-------------------------------------------------------------------------|----------|---------------------------------------------------------|--------------------------|-------------------------------------------|------------------------------|--------------------|----------------------------|
| Photo #                                                                 | Item no. | Name                                                    | Manufacturer/Trademark   |                                           |                              | Type / model       |                            |
| 3,4                                                                     | 13       | Fan Motor                                               | Risheng Electric Company |                                           |                              | 2033043            |                            |
| Electrical Rating: 120V, 60Hz, 0.35A                                    |          |                                                         |                          |                                           |                              | Insulation class A |                            |
| Component Standard used: UL 1004-1, UL 1004-3                           |          |                                                         |                          |                                           |                              |                    |                            |
| MATERIALS LIST (refer to illustration 1.3 and 1.4 for assembly drawing) |          |                                                         |                          |                                           |                              |                    |                            |
| Component                                                               |          | Manufacturer                                            | Type/model               | Dimensions/thickness/assembly information |                              |                    |                            |
| Bobbin                                                                  |          | Nan Ya Plastics Corp.                                   | 6410G5                   | Nylon 94V-0                               |                              |                    |                            |
| Coil                                                                    |          | Shude Zhongqiao Electrical Appliance Mfg Co., Ltd       | UEW1                     | ø0.23*1600T                               |                              |                    |                            |
|                                                                         |          | Xinhui City Xinjian Electiv Equipment Material Co., Ltd |                          |                                           |                              |                    |                            |
| Fuse                                                                    |          | Nec Schott Components Corp                              | SM110A1                  | 250V, 2A, 115°C                           |                              |                    |                            |
|                                                                         |          | AUPO Electronics Corp                                   | P2                       |                                           |                              |                    |                            |
| Insulating Tape                                                         |          | Nitto Denko Corp                                        | 31CTF                    | Yellow                                    |                              |                    |                            |
| Lead Wire                                                               |          | Hua Da Electric Industrial Co.                          | 1015                     | 20AWG                                     |                              |                    |                            |
|                                                                         |          | Risheng Electrical Appliances Factory                   |                          |                                           |                              |                    |                            |
| Stator Core B                                                           |          | Xiong Chang Harduare Factory                            | SPCC                     | 49*48*0.5mm                               |                              |                    |                            |
| Bobbin cover                                                            |          | Nan Ya Plastics Corp.                                   | 6410G5                   | Nylon 94V-0                               |                              |                    |                            |
| WINDING(S) RESISTANCE                                                   |          |                                                         |                          |                                           |                              |                    |                            |
| Winding Designation                                                     |          | Wire Size (mm <sup>2</sup> )                            | Wire Type                | Turns                                     | Volts                        | Amps               | DC resistance (Ω) +/- 10%: |
| Armature Stator                                                         |          | 0.23                                                    | UEW1                     | 1600                                      | 120                          | -                  | 53                         |
|                                                                         |          |                                                         |                          |                                           |                              |                    |                            |
| VERIFICATION PROCESS                                                    |          |                                                         |                          |                                           |                              |                    |                            |
| Frequency: Annual                                                       |          | Test Site: CEC                                          |                          |                                           | Number of samples to test: 1 |                    |                            |
| Test Name                                                               |          | Test Parameters                                         |                          |                                           |                              |                    |                            |
| Winding resistance                                                      |          | See resistance per winding above.                       |                          |                                           |                              |                    |                            |
| Dielectric Strength                                                     |          | Apply voltage Between                                   |                          |                                           | Test Voltage                 |                    | Test Time                  |
|                                                                         |          | Primary to core                                         |                          |                                           | 1240                         |                    | 60s                        |
|                                                                         |          | Primary to secondary                                    |                          |                                           | -                            |                    | -                          |
|                                                                         |          | Secondary to core                                       |                          |                                           | -                            |                    | -                          |

| 5.0 Critical Unlisted CEC Components                                    |                               |                                                          |                          |                                           |                    |      |                            |
|-------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------|--------------------------|-------------------------------------------|--------------------|------|----------------------------|
| INSULATED COIL                                                          |                               |                                                          |                          |                                           |                    |      |                            |
| Photo #                                                                 | Item no.                      | Name                                                     | Manufacturer/Trademark   |                                           | Type / model       |      |                            |
| 3,4                                                                     | 13                            | Fan Motor                                                | Risheng Electric Company |                                           | 2033064            |      |                            |
| Electrical Rating: 120V, 60Hz, 0.35A                                    |                               |                                                          |                          |                                           | Insulation class A |      |                            |
| Component Standard used: UL 1004-1, UL 1004-3                           |                               |                                                          |                          |                                           |                    |      |                            |
| MATERIALS LIST (refer to illustration 1.1 and 1.2 for assembly drawing) |                               |                                                          |                          |                                           |                    |      |                            |
| Component                                                               |                               | Manufacturer                                             | Type/model               | Dimensions/thickness/assembly information |                    |      |                            |
| Bobbin                                                                  |                               | Nan Ya Plastics Corp.                                    | 6410G5                   | Nylon 94V-0                               |                    |      |                            |
| Coil                                                                    |                               | Shude Zhongqiao Electrical Appliance Mfg Co.,Ltd         | 1UEW                     | Ø0.23*1700T                               |                    |      |                            |
|                                                                         |                               | Xinhui City Xinjian Electriv Equipment Material Co.,Ltd. |                          |                                           |                    |      |                            |
|                                                                         |                               | Risheng Electrical Appliances Factory No2 Plant          |                          |                                           |                    |      |                            |
| Fuse                                                                    |                               | Nec Schott Components Corp                               | SM110A1                  | 250V, 2A, 115°C                           |                    |      |                            |
|                                                                         |                               | AUPO Electronics Corp                                    | P2-F                     |                                           |                    |      |                            |
| Insulating Tape                                                         |                               | Nitto Denko Corp                                         | 31CTF                    | Yellow, 21*150*0.2mm, 130°C               |                    |      |                            |
|                                                                         |                               | Suzhou Mailaduona Electric Material Co.,Ltd              | JY312(#)                 |                                           |                    |      |                            |
|                                                                         |                               | Jingjiang Jingyi Adhesive Product Co.,Ltd                | JY25-A(b)                |                                           |                    |      |                            |
| Lead Wire                                                               |                               | Hua Da Electric Industrial Co.                           | 1015                     | 20AWG                                     |                    |      |                            |
|                                                                         |                               | Risheng Electrical Appliances Factory No2 Plant          |                          |                                           |                    |      |                            |
| Stator Core B                                                           |                               | Xiong chang Harduare Factory                             | SPCC                     | 49*48*0.5mm                               |                    |      |                            |
| Bobbin Cover                                                            |                               | Nan Ya Plastics Corp.                                    | 6410G5                   | Nylon 94V-0                               |                    |      |                            |
| WINDING(S) RESISTANCE                                                   |                               |                                                          |                          |                                           |                    |      |                            |
| Winding Designation                                                     | Wire Size ( mm <sup>2</sup> ) |                                                          | Wire Type                | Turns                                     | Volts              | Amps | DC resistance (Ω) +/- 10%: |
| Armature Stator                                                         | 0.23                          |                                                          | UEW1                     | 1700                                      | 120                | -    | 57.5                       |

| 5.0 Critical Unlisted CEC Components |                                   |              |                                     |
|--------------------------------------|-----------------------------------|--------------|-------------------------------------|
| VERIFICATION PROCESS                 |                                   |              |                                     |
| Frequency: <b>Annual</b>             | Test Site: <b>CEC</b>             |              | Number of samples to test: <b>1</b> |
| Test Name                            | Test Parameters                   |              |                                     |
| Winding resistance                   | See resistance per winding above. |              |                                     |
| Dielectric Strength                  | Apply voltage Between             | Test Voltage | Test Time                           |
|                                      | Primary to core                   | 1240         | 60s                                 |
|                                      | Primary to secondary              | -            | -                                   |
|                                      | Secondary to core                 | -            | -                                   |

## 6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

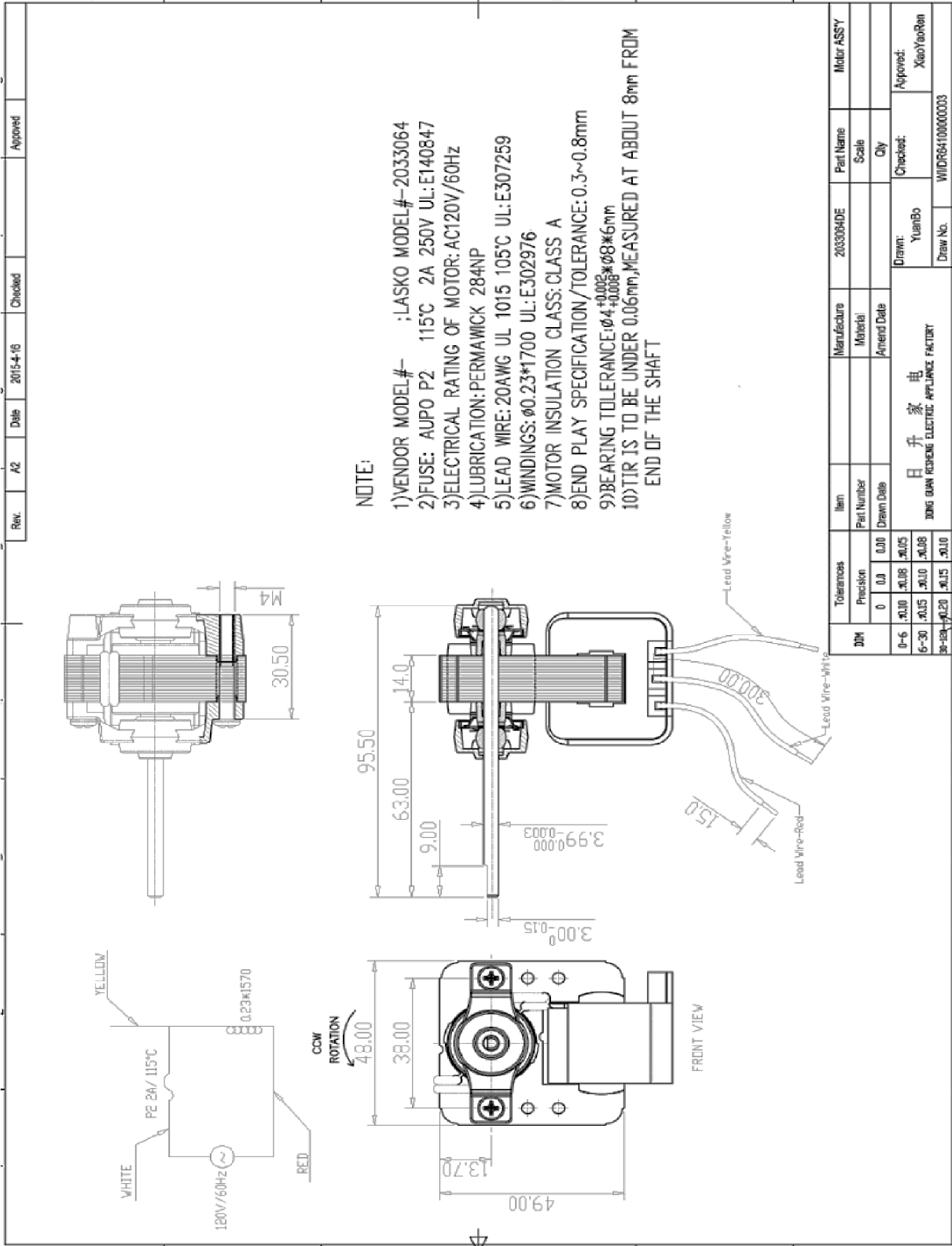
1. Spacing - In primary circuits, 1/16 inch minimum spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity and between current-carrying parts and dead-metal parts. Further, 1/2 inch minimum spacing are maintained through air and over surfaces of insulating material between the bare heating element and grounded metal parts except for temperature limiting control sensing element and its supports.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are reliably mounted and prevented from shifting or rotating by lockwashers, starwashers, or the mounting format.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a metal and plastic enclosure constructed such that any openings are not penetrable by the probe specified in the above-referenced Standard.
5. Grounding - Model 8132: All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding lead of the power supply cord.
6. Polarized Connection - All other models: This product is provided with a polarized power supply connection. All single pole switches and fuses are connected only to the ungrounded supply circuit conductor.
7. Internal Wiring - Internal wiring is reliably routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. All wiring is minimum 16 AWG, with a minimum rating of 300V, 200°C and the element lead wire that is 16AWG, 105°C, 300V.

#### 6.0 Critical Features

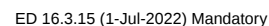
8. Schematics - Refer to Illustration No(s). 5.2, 9, 10, 12, 13 for schematics requiring verification during Field Representative Inspection Audits. Verify polarity of lead connections.
9. Markings - The product is marked on a component labeling system as described in item 20 of section 4.0 as follows: applicant's name or brand name, model number, date of manufacturer, electrical ratings, TP.
10. Cautionary Markings - Refer to Illustrations 4.1, 4.2 and 14 for details.
11. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer as required by the standard. Refer to Illustration 7.1-7.2.
12. Carton Markings - The Carton shall have the following markings that appear on one side except the bottom:  
"WARNING  
Rated: 120V, 1500W, 60Hz.  
Use only with a standard polarized 120V AC outlet.  
It is intended for use on the floor or table. Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap {outlet/power strip}. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9m) from the front of the heater and keep them away from the sides and rear. The product is not to be used in bathrooms, laundry areas or other similar locations."

7.0 Illustrations

Illustration 1.1 - Motor 2033064 drawing.

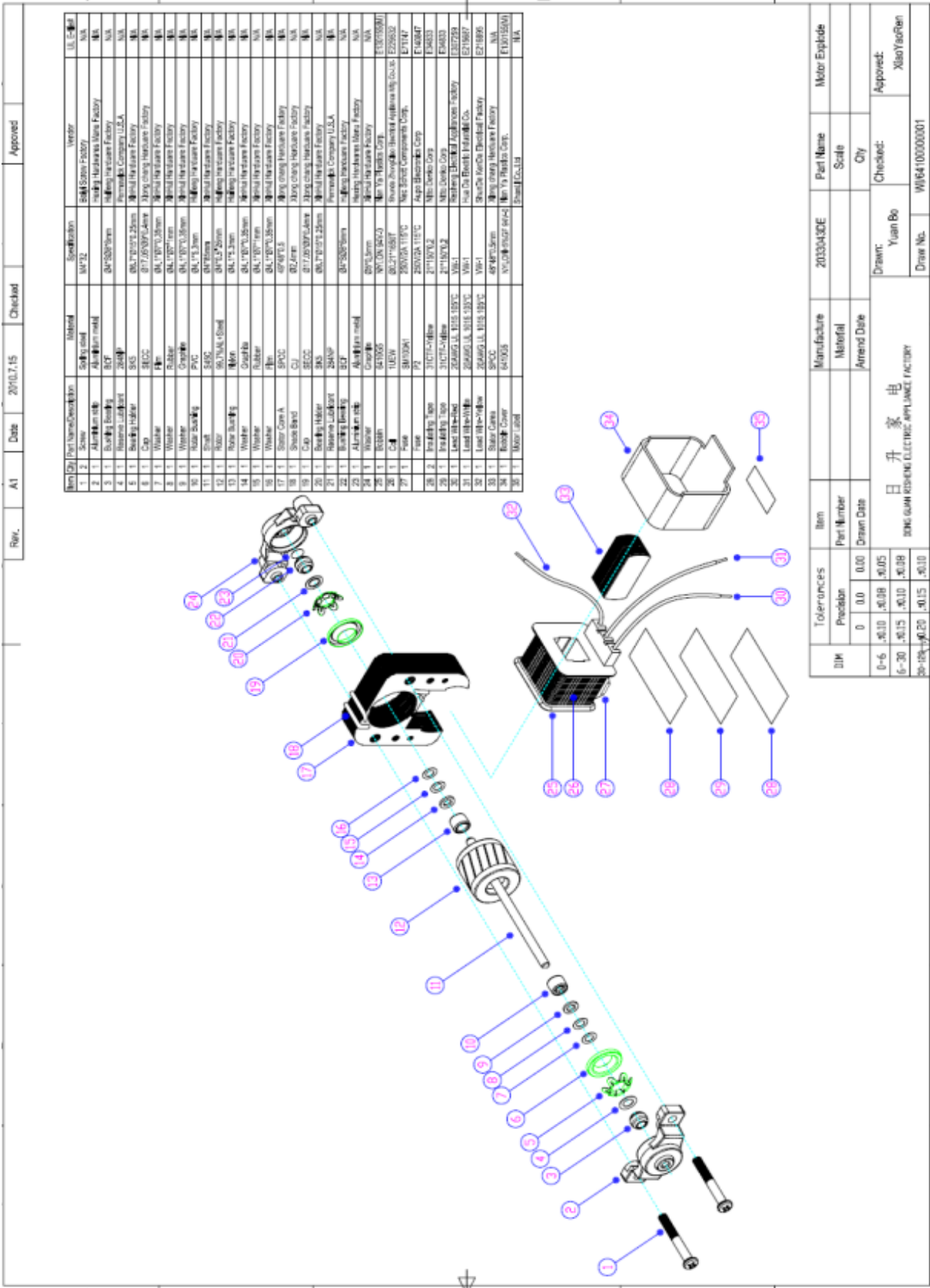


**Illustration 1.2 - Motor 2033064 Exploded View.**



7.0 Illustrations

Illustration 1.3 - Motor 2033043 drawing.





## 7.0 Illustrations

Illustration 2 - Shenzhen Long Duo PCB 2033500.

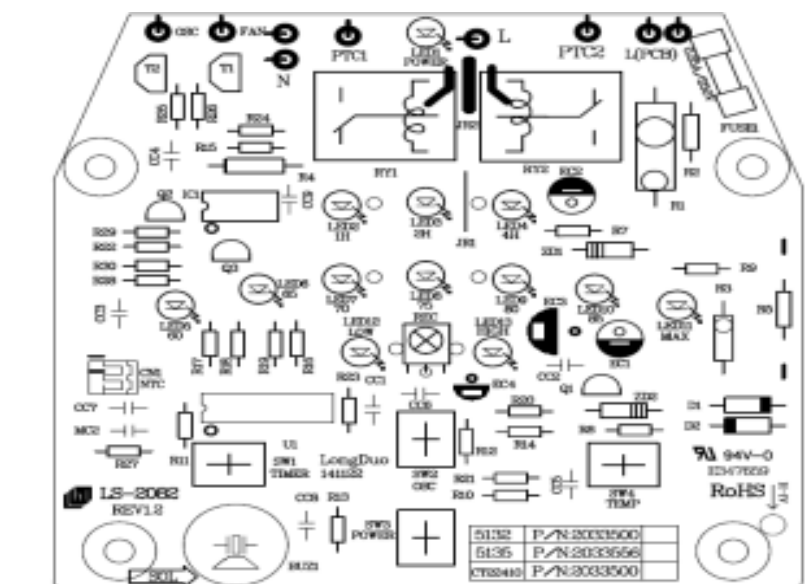
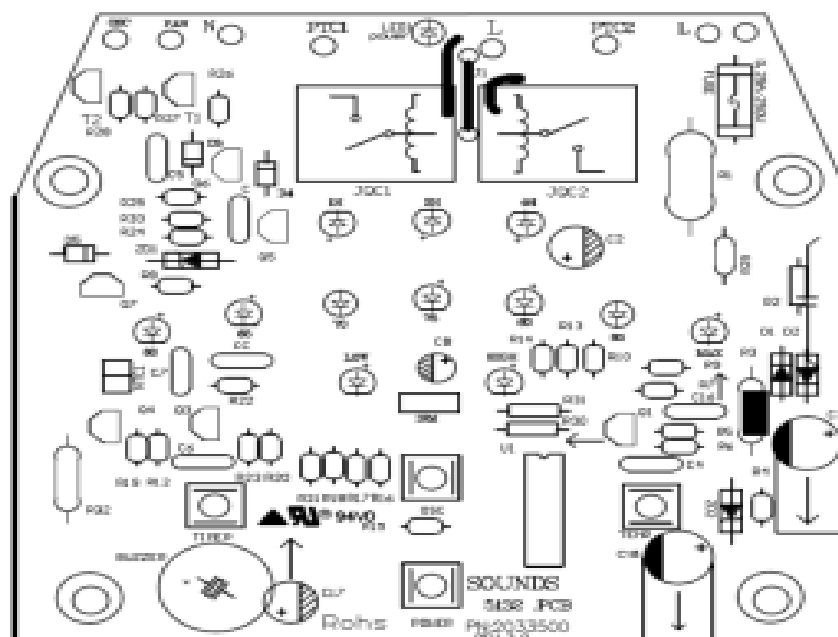


Illustration 3 - Sounds PCB 2033500.



7.0 Illustrations

Illustration 4.1 - Cautionary marking

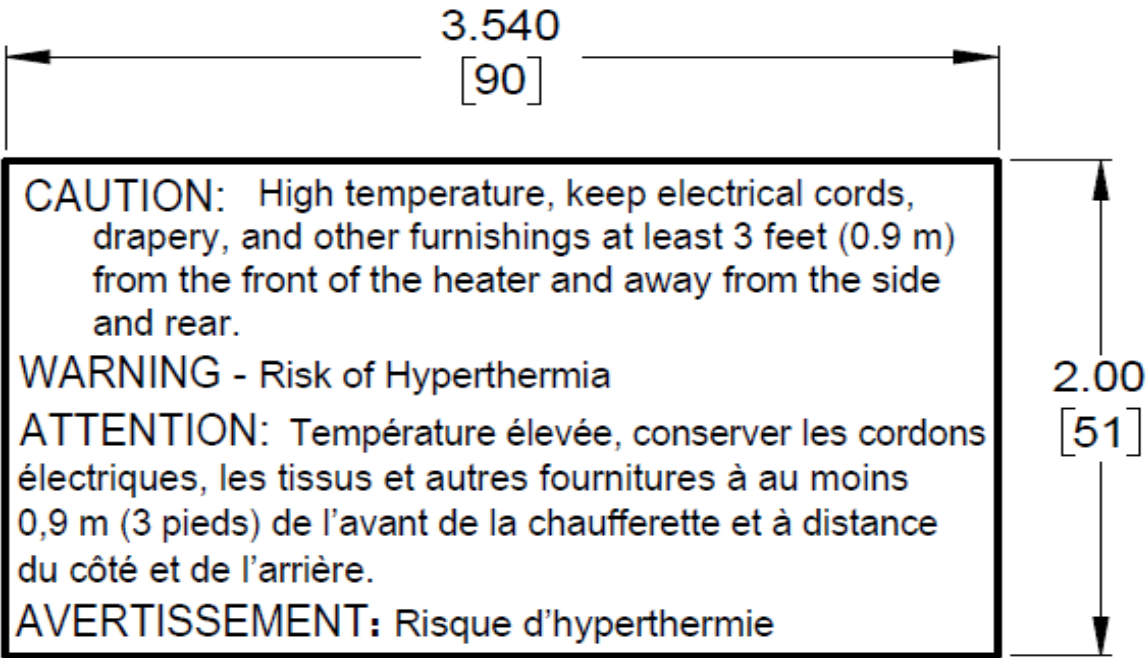
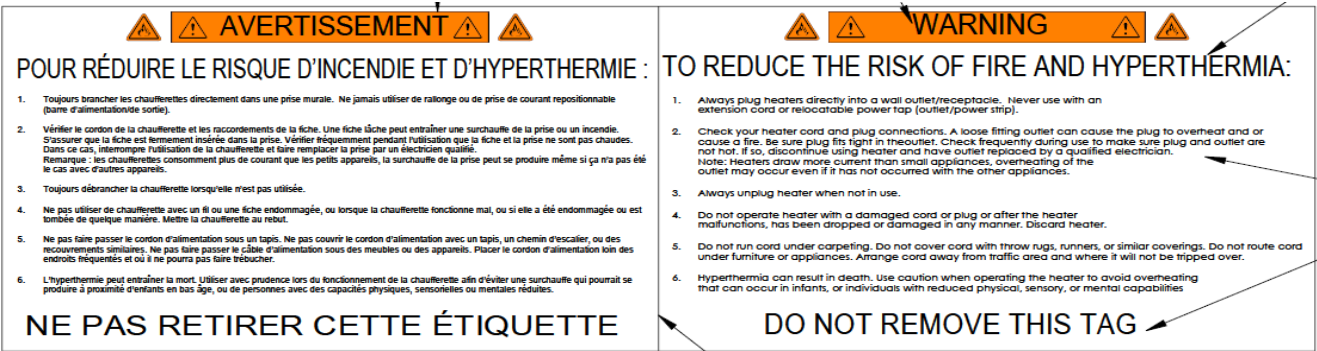


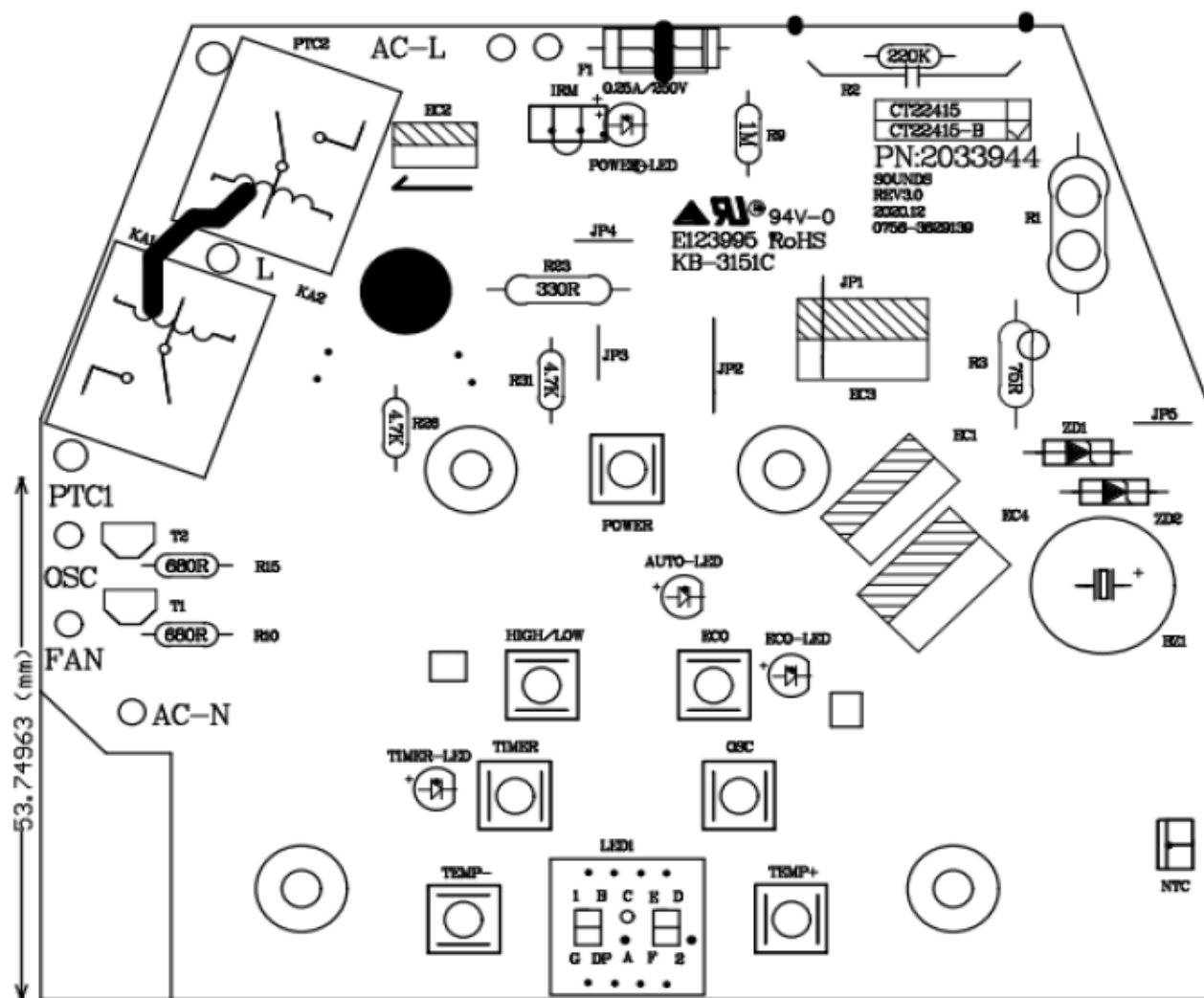
Illustration 4.2 - Cord Tag Warning Label.

Location:The warning tag shall be permanently affixed to the power-supply cord, no more than 6 inches (152 mm) from the attachment plug and shall be made of substantial material (cardboard, cloth, plastic, or the equivalent) to provide mechanical strength and to prevent easy removal.



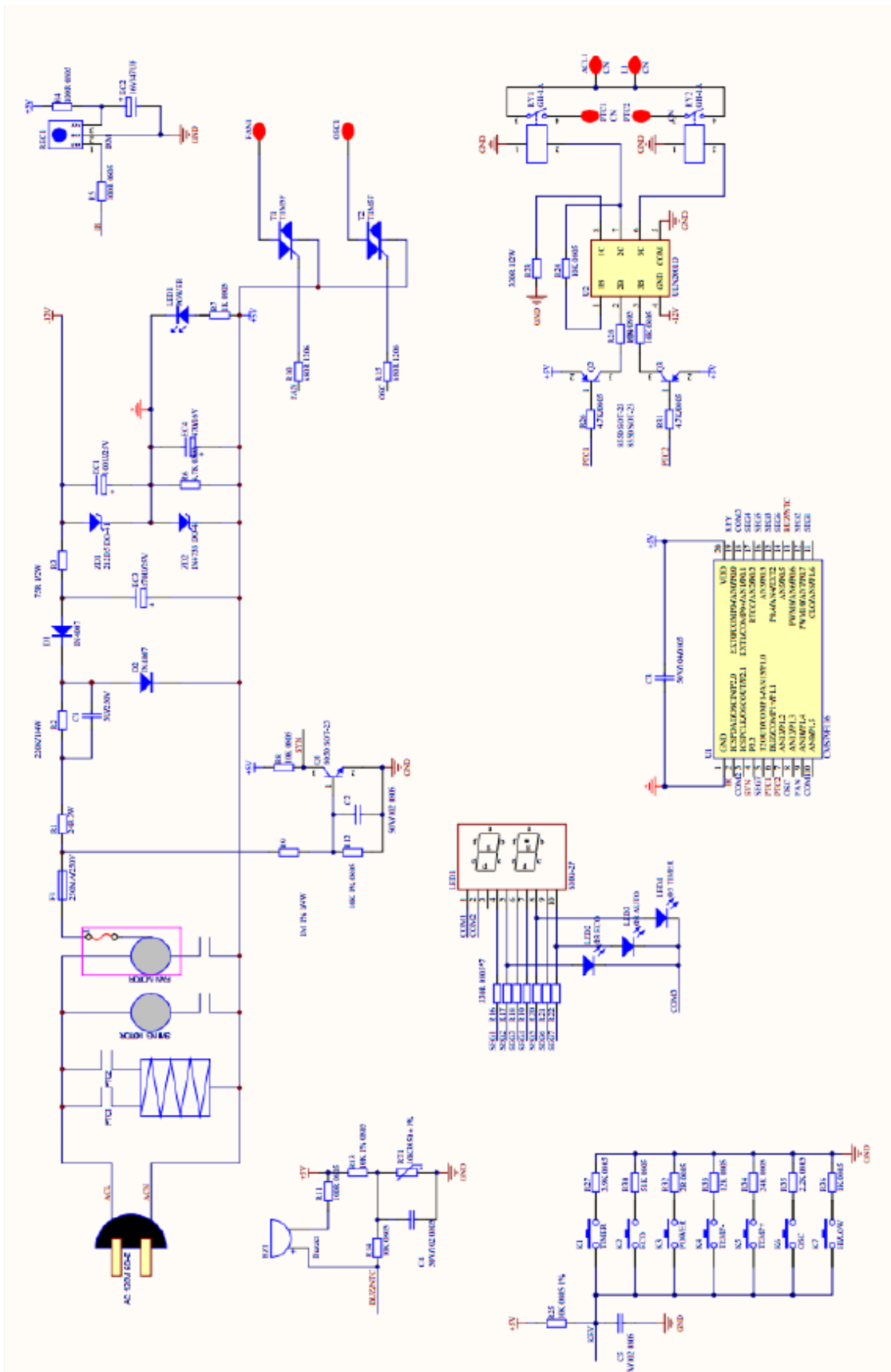
## 7.0 Illustrations

Illustration 5.1 - PCB Assembly 2033944 by Sounds Electric



## 7.0 Illustrations

Illustration 5.2 - PCB Assembly 2033944 by Sounds Electric ( Verify Polarity)



## 7.0 Illustrations

**Illustration 6 - Model Similarities Table**

|                                                                                    |                                                                                    |                                                                                     |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|   |   |    |   |
| Models 751320, 8132                                                                | Model CT22410                                                                      | Model CT22415                                                                       | Model 751321                                                                         |
| Color:<br>Black/Champaign<br>Front Grill: PBT                                      | Color: Black<br>Front Grill: Metal                                                 | Color: Black<br>Front Grill: Metal                                                  | Color: Black<br>Front Grill: PBT                                                     |
| <b>Control Area</b>                                                                |                                                                                    |                                                                                     |                                                                                      |
|  |  |  |  |
| PCB 2033500                                                                        | PCB 2033500                                                                        | PCB 2033944                                                                         | PCB 751321 U/M                                                                       |

## 7.0 Illustrations

### Illustration 7.1- Instruction Manual



## READ ALL INSTRUCTIONS BEFORE USING THIS HEATER.

### ⚠ WARNING

#### IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, these instructions and warnings should always be followed to reduce the risk of fire, electrical shock, injury to persons and hyperthermia:

TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR PERSONAL INJURY, ALWAYS FOLLOW THESE IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS:

-  Plug heaters directly into a 120v wall outlet/receptacle only. Never use with an extension cord. Do not plug heater into any other cord connected device, such as a power strip, surge protector, multiple outlet adapter, cord reel or outlet-type air freshener. The use of such devices may create a fire hazard. Do not plug multiple devices in the same outlet or on same circuit as heater.
-  Faulty wall outlet connections may cause the wall outlet to overheat. Be sure that heater plug fits tightly into outlet before each use. During use, check to make certain the heater plug is not overheating. If necessary have a qualified electrician check and/or replace the wall outlet. Do not use this heater with any solid state speed control devices.
-  Make certain that the power source conforms to the electrical requirements of the heater.
-  Extreme caution is necessary when any heater is used by or near children or invalids. The heater should not be left operating unattended. Never leave children unattended when the heater is on or plugged in.
-  This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.
-  Do not use the heater in areas where gasoline, paint, or flammable liquids are used or stored. Do not use heater in locations where flammable or explosive chemicals are stored, or in wet atmospheres.
-  Do not operate any heater with a damaged cord or plug or after the heater malfunctions, or has been dropped or damaged in any manner. To disconnect heater, turn the heater off then remove the plug from the outlet.
-  Always unplug heater when not in use. Unplug power cord before servicing or moving the heater.
-  Do not insert or allow fingers or foreign objects to enter any ventilation or exhaust opening as it may cause an electric shock, fire, or damage the heater. Do not block or tamper with the heater in any manner while it is in operation.
-  Do not block air intakes or exhaust in any manner. Do not place on soft surfaces, like a bed, where openings may become blocked. Do not depend on the on/off switch as the sole means of disconnecting power when servicing or moving the heater. Always unplug the power cord.
-  Hyperthermia can result in death. Symptoms of hyperthermia include high body temperature, headache, nausea, vomiting, tiredness, dizziness, fainting, and rapid pulse. If you begin to experience symptoms related to hyperthermia, turn off the heater and seek medical attention.
-  To avoid excessive room temperatures which can cause hyperthermia: DO NOT leave product running unattended in a confined space around infants, or individuals with reduced physical, sensory, or mental capabilities.

### ⚠ CAUTION

- Always unplug heater when not in use. Unplug power cord before servicing or moving the heater.
- Do not insert or allow fingers or foreign objects to enter any ventilation or exhaust opening as it may cause an electric shock, fire, or damage the heater. Do not block or tamper with the heater in any manner while it is in operation.
- Do not block air intakes or exhaust in any manner. Do not place on soft surfaces, like a bed, where openings may become blocked. Do not depend on the on/off switch as the sole means of disconnecting power when servicing or moving the heater. Always unplug the power cord.
- Always place the heater on a stable, flat, level surface when operating, to avoid the chance of the heater overturning. Locate the power cord so the heater or other objects are not resting on it. Do not run power cord under carpeting. Do not cover power cord with throw rugs, runners, or similar coverings as this may cause cord to overheat. Arrange power cord away from room traffic and where it will not be tripped over.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Always use handle when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes and curtains at least 3 feet (0.9 M) from the front of the heater and keep them at least 1 foot (0.3 M) from the sides and rear.
- This heater is not intended for use in wet or damp locations. This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate a heater where it may fall into a bathtub or other water container.
- Do not use heater outdoors.
- This heater is not suitable for use in agricultural facilities including areas where livestock, poultry or other animals are confined. Please refer to national electric code (nec) article 547-7 (2008), or applicable state or local codes or standards relating to electrical requirements for agricultural buildings. This heater does not meet the requirements of nec article 547-7 (2008).
- This heater is not suitable for use in hazardous locations. Please refer to national electric code (nec) article 500 or applicable state or local codes or standards relating to electrical requirements for hazardous locations. This heater does not meet the requirements of nec article 500 (2008).
- Remote controls for other appliances or electronic equipment can sometimes interfere with the operation of this heater. If this occurs, move the heater to another location.
- Keep heater remote control unit away from chairs and your bed where it may be sat or laid upon and inadvertently turn on the heater.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

## SAVE THESE INSTRUCTIONS

## 7.0 Illustrations

### Illustration 7.2- Instruction Manual

#### REMOTE CONTROL

All the functions performed with the Remote Control work identically to the manual controls except changing °F to °C.

1. Install two "AAA" batteries (not included).
2. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
3. DO NOT DISPOSE OF BATTERIES IN FIRE. BATTERIES MAY EXPLODE OR LEAK.
4. Always purchase the correct size and grade of battery most suitable for the intended use.
5. Clean the battery contacts and also those of the device prior to battery installation.
6. Remove batteries from equipment which is not to be used for an extended period of time.
7. Remove batteries if consumed or if product is to be left unused for a long time.
8. Remove used batteries promptly.

#### SAFETY FEATURE

1. A thermal overload protector is built in to prevent overheating.
2. If an overheat temperature is reached, the Heater will automatically shut off. It can only resume operation when the user resets the unit.

To Reset Heater:

1. Unplug the Heater and wait 10 minutes for the Heater to cool down.
2. After the Heater has cooled down, plug the unit into a 120V- electrical outlet and follow the operation instructions described in this manual.

#### TROUBLESHOOTING TIPS

If your Heater shuts off unexpectedly or fails to operate, the previously mentioned safety feature may have been activated to prevent overheating.

1. Be sure the power cord is plugged into a working electrical outlet.
2. Make certain the batteries in the remote control are new and properly installed.
3. Check your Temperature setting. The Heater may be off because it has reached the desired temperature setting.
4. If your Heater runs for several minutes and shuts off repeatedly, your Heater may require cleaning. See Maintenance section below.

STORAGE: Store the Heater with these instructions in the original carton in a cool, dry place.

DISPOSITION: Corrugated packaging materials are recyclable. For environmentally responsible disposal of this product, contact your local waste service provider or visit [www.1800recycling.com](http://www.1800recycling.com).

#### MAINTENANCE

##### ⚠ WARNING

To reduce the risk of electrical shock and fire please observe the following instructions. Cleaning the Heater regularly will help to maintain its efficiency.



- Always unplug the cord before moving, servicing or cleaning.
- NEVER place the Heater in or near water. DO NOT IMMERSE Heater IN WATER.
- Clean the Heater only with a vacuum equipped with a brush attachment; the vacuum will remove the lint and dirt from the surface of the Heater.
- Vacuum intake grills every two weeks; this will help to maintain the optimum Heater performance.
- Use a toothbrush or other soft bristle brush to gently loosen any dirt not removed by the vacuum.
- NEVER attempt to take apart the Heater.
- Clean the body of the Heater with a soft cloth only.
- NEVER use ALCOHOL or SOLVENTS such as gasoline, benzene, paint thinner, or other harsh cleaners.

#### LASKO PRODUCTS, LLC LIMITED WARRANTY (VALID IN THE USA, ITS TERRITORIES, AND CANADA ONLY)

**WHAT THIS WARRANTY COVERS:** This product is warranted against defects in workmanship and/or materials.

**HOW LONG THIS WARRANTY LASTS:** This warranty extends only to the original purchaser of the product and lasts for three (3) years from the date of original purchase or until the original purchaser of the product sells or transfers the product, whichever first occurs.

**WHAT LASKO WILL DO:** Lasko will, at its sole option, repair or replace any part or parts that prove to be defective or replace the whole product with the same or comparable model. For all warranty claims, the product must be returned to Lasko Products, LLC at customer expense with proof of purchase within the warranty period. Contact the Lasko customer service department to obtain a Return Authorization ("RA"). DO NOT return products without an RA or the warranty claim will not be processed.

**WHAT THIS WARRANTY DOES NOT COVER:** This warranty does not apply if the product was damaged or failed because of accident, improper handling or operation, shipping damage, abuse, misuse, unauthorized repairs made or attempted, or the use of the product for commercial or nonresidential service. This warranty does not cover shipping costs for the return of products to Lasko for repair or replacement. Lasko will pay return shipping charges from Lasko following warranty repairs or replacement.

**ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED (INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY), LAST THREE YEARS FROM THE DATE OF ORIGINAL PURCHASE OR UNTIL THE ORIGINAL PURCHASER OF THE PRODUCT SELLS OR TRANSFERS THE PRODUCT, WHICHEVER FIRST OCCURS AND IN NO EVENT SHALL LASKO'S LIABILITY UNDER ANY EXPRESS OR IMPLIED WARRANTY INCLUDE (I) INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM ANY CAUSE WHATSOEVER, OR (II) REPLACEMENT OR REPAIR OF ANY HOUSE FUSES, CIRCUIT BREAKERS OR RECEPTACLES. NOTWITHSTANDING ANYTHING TO THE CONTRARY, IN NO EVENT SHALL LASKO'S LIABILITY UNDER ANY EXPRESS OR IMPLIED WARRANTY EXCEED THE PURCHASE PRICE OF THE PRODUCT AND ANY SUCH LIABILITY SHALL TERMINATE UPON THE EXPIRATION OF THE WARRANTY PERIOD.**

Some states and provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state and province to province.

Proof of purchase is required before a warranty claim will be accepted.

#### CUSTOMER SERVICE:

Email: [producthelp@lasko.com](mailto:producthelp@lasko.com). Web: [www.lasko.com](http://www.lasko.com)

Our Customer Service team is available to assist you with product service questions and replacement parts. Chat with us at [www.lasko.com](http://www.lasko.com) Monday-Friday 8am - 9pm EST (Valid in U.S. and Canada only). Please have your model number available, as well as the type and style (located on the underside of your product).

Customer Service Dept.,  
820 Lincoln Ave., West Chester, PA 19380 (Please do not send product to this location)

Manual printed in China

7.0 Illustrations

Illustration 8 - PCB Assembly 2033500 by Shenzhen Topace Tehnologies Co. Ltd.

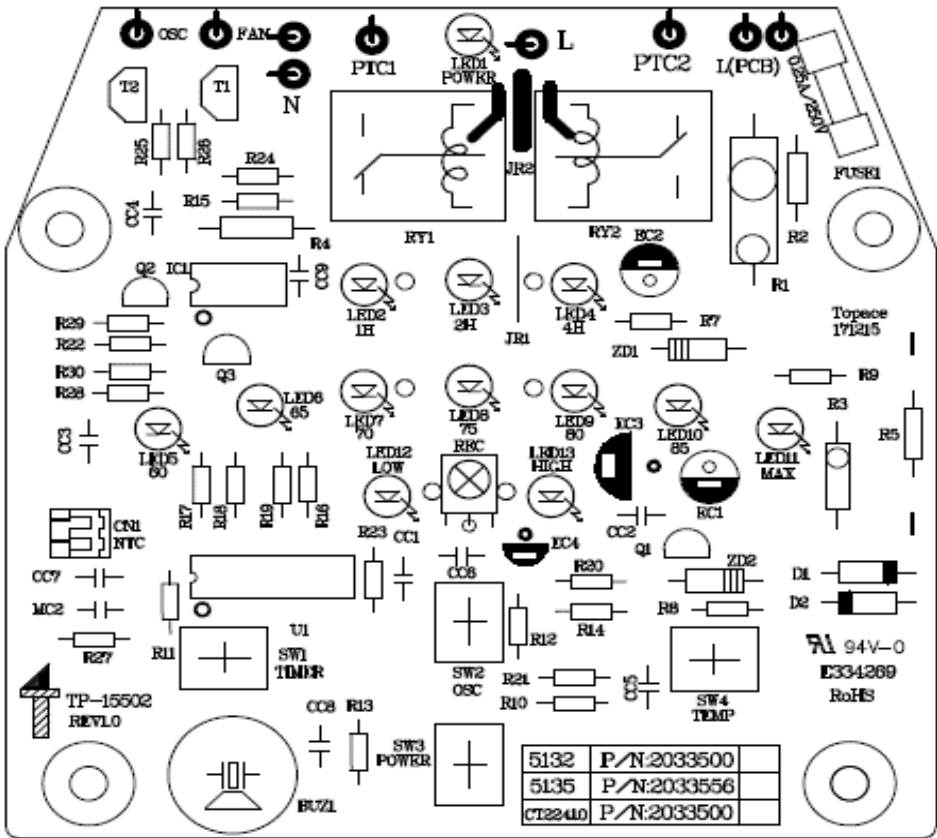
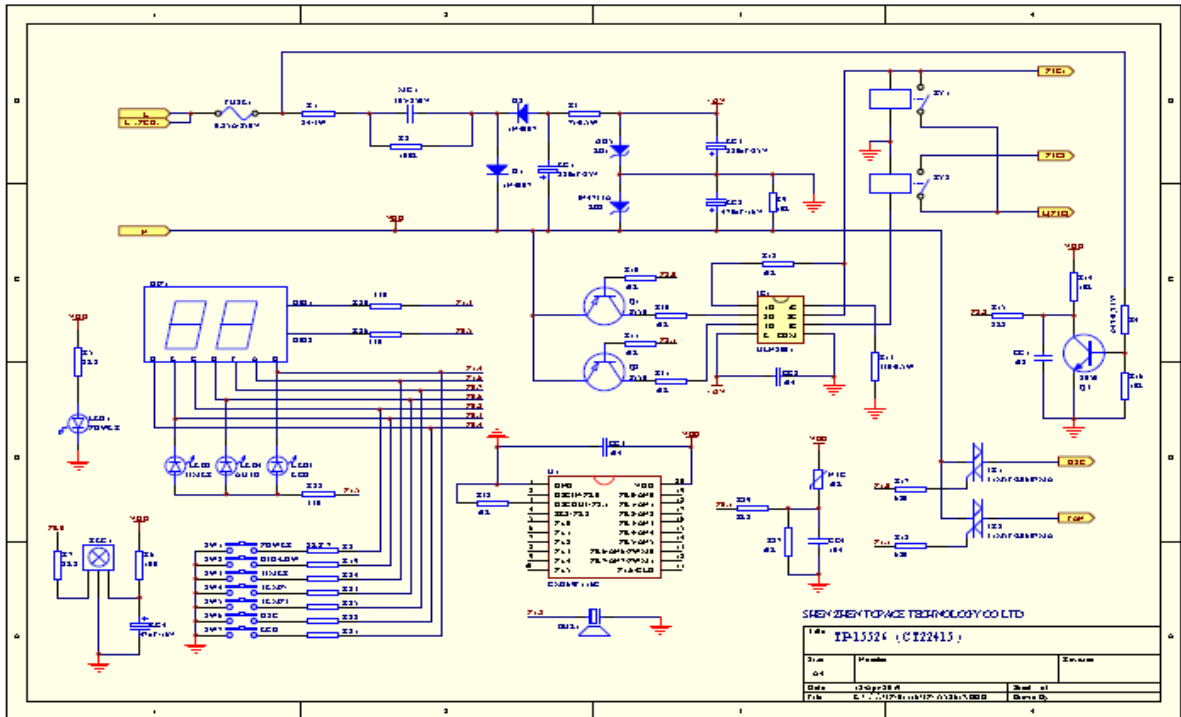
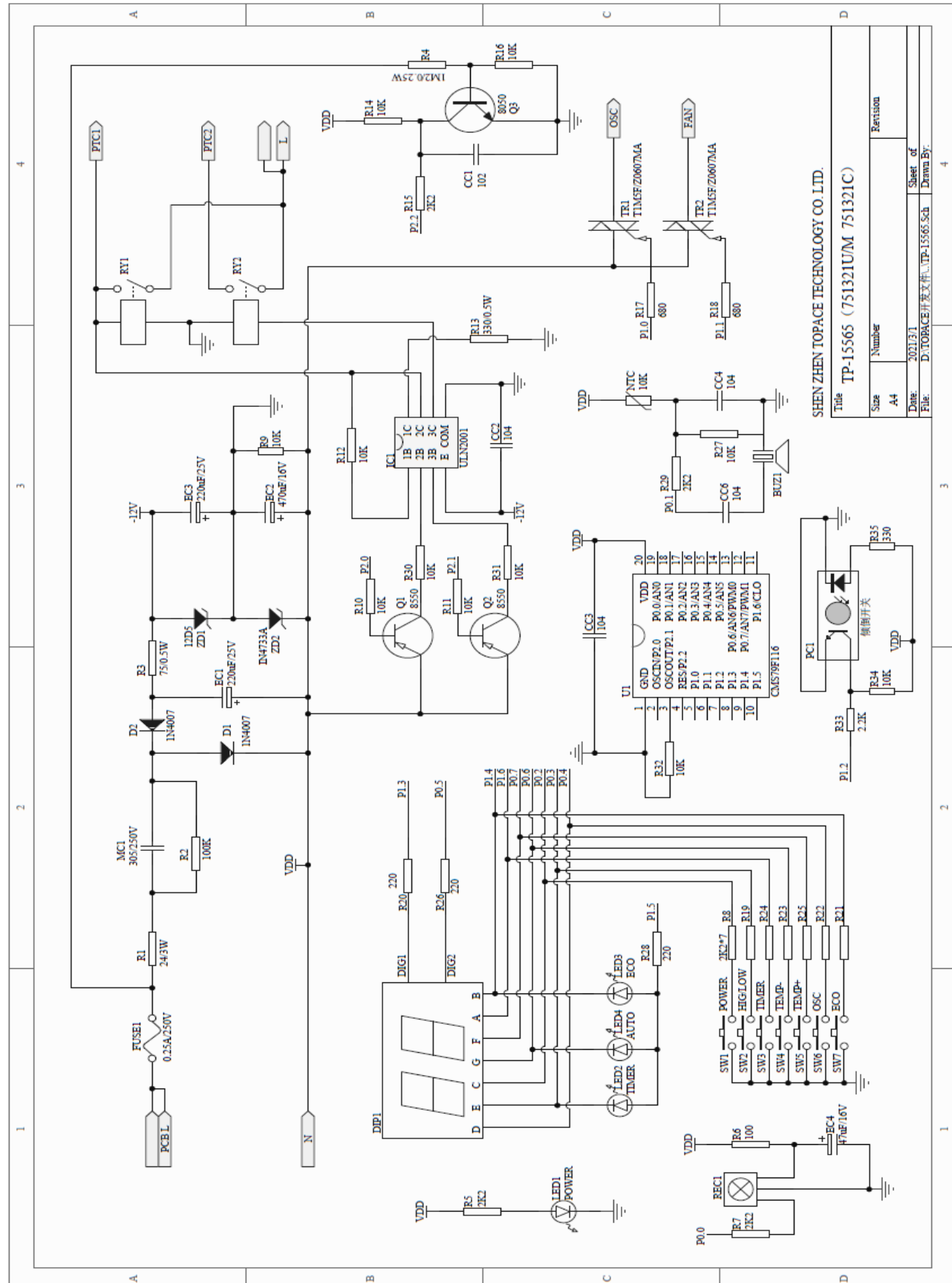


Illustration 9 - PCB Assembly 2033944 by Shenzhen Topace Tehnologies Co. Ltd. (Verify Polarity)



## 7.0 Illustrations

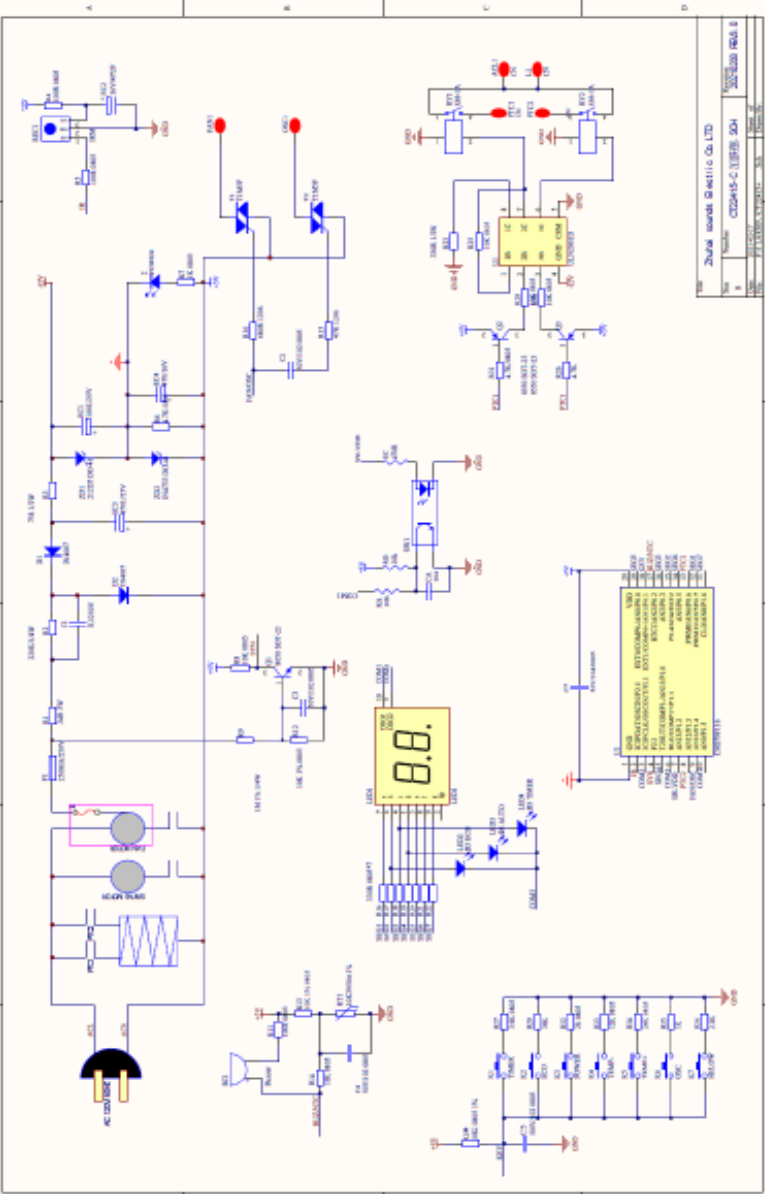
**Illustration 10 - PCB Assembly 751321 U/M by Shenzhen Topace Tehnologies Co. Ltd. (Verify Polarity)**



7.0 Illustrations

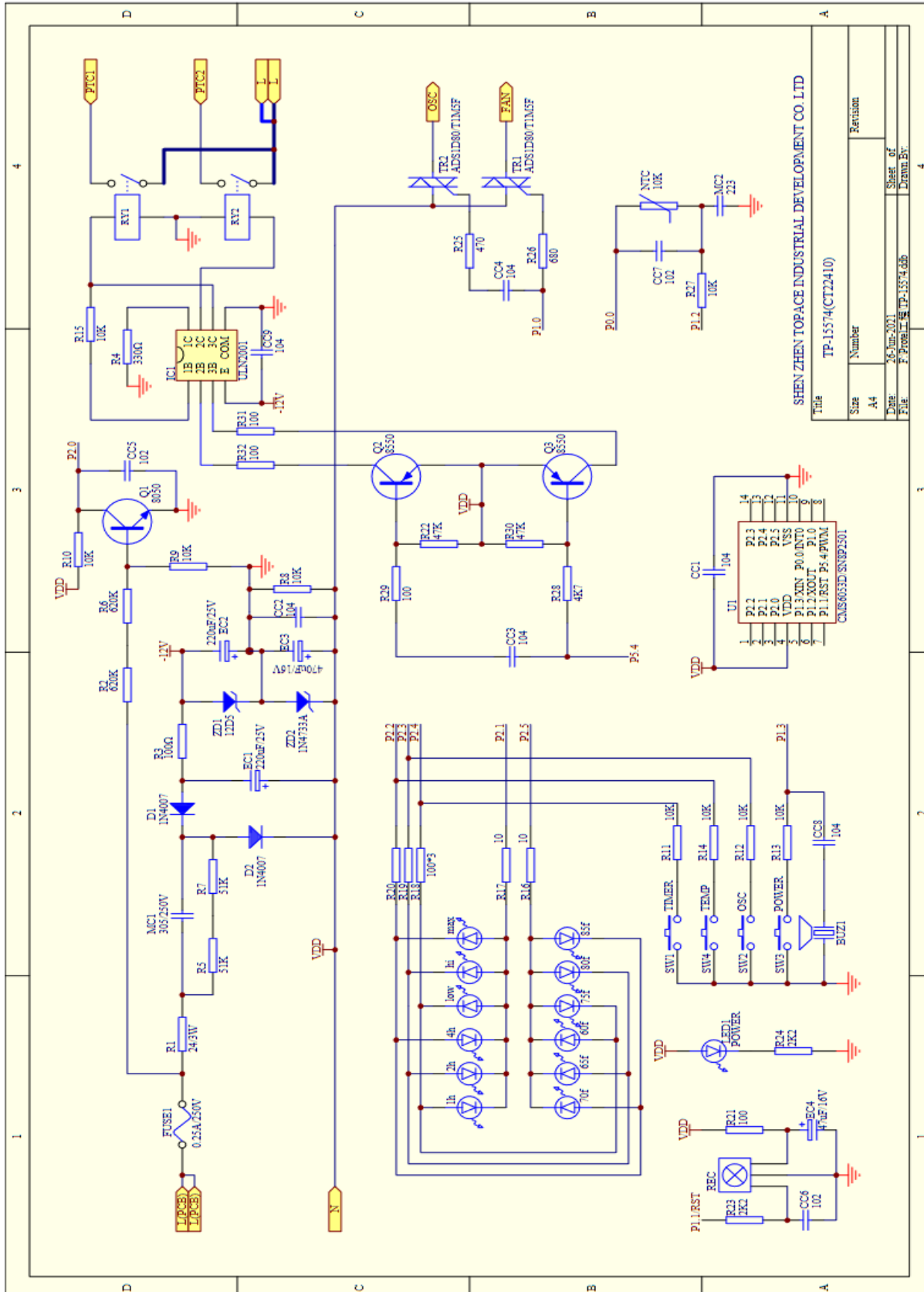
Illustration 11 - PCB Assembly 751321 U/M by Sounds Electric Co. (Verify Polarity)

Schematic:



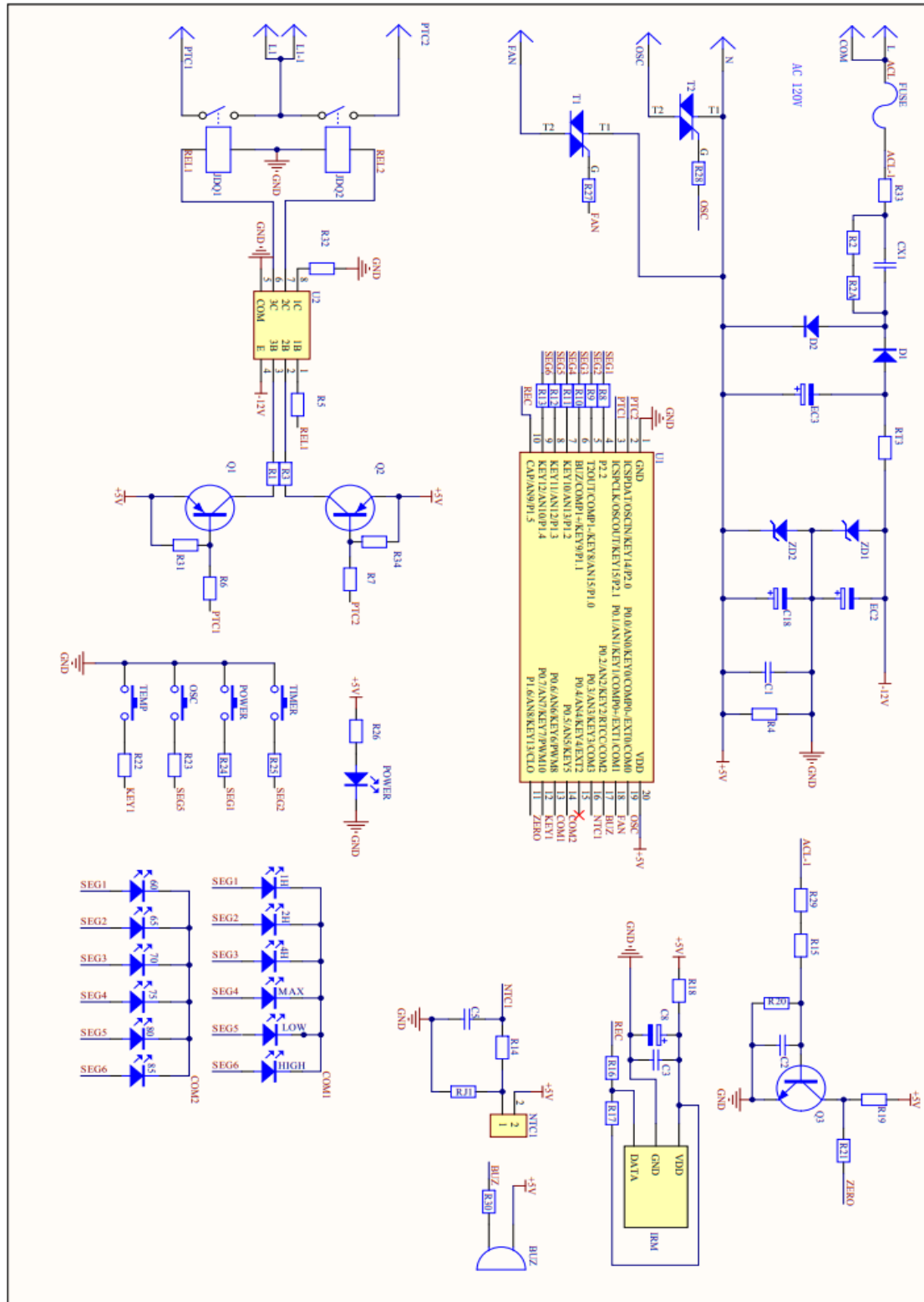
|                                  |                  |
|----------------------------------|------------------|
| Zhuhai Sounds Electric Co., LTD. |                  |
| Products Type: 751321            | Rev: 3.0         |
| Drawn by: ZCJ                    | Date: 2021-03-01 |
| Reviewed by:LYL                  | Date: 2021-03-01 |

### Illustration 12 - Schematic for Topace PCB 2033500



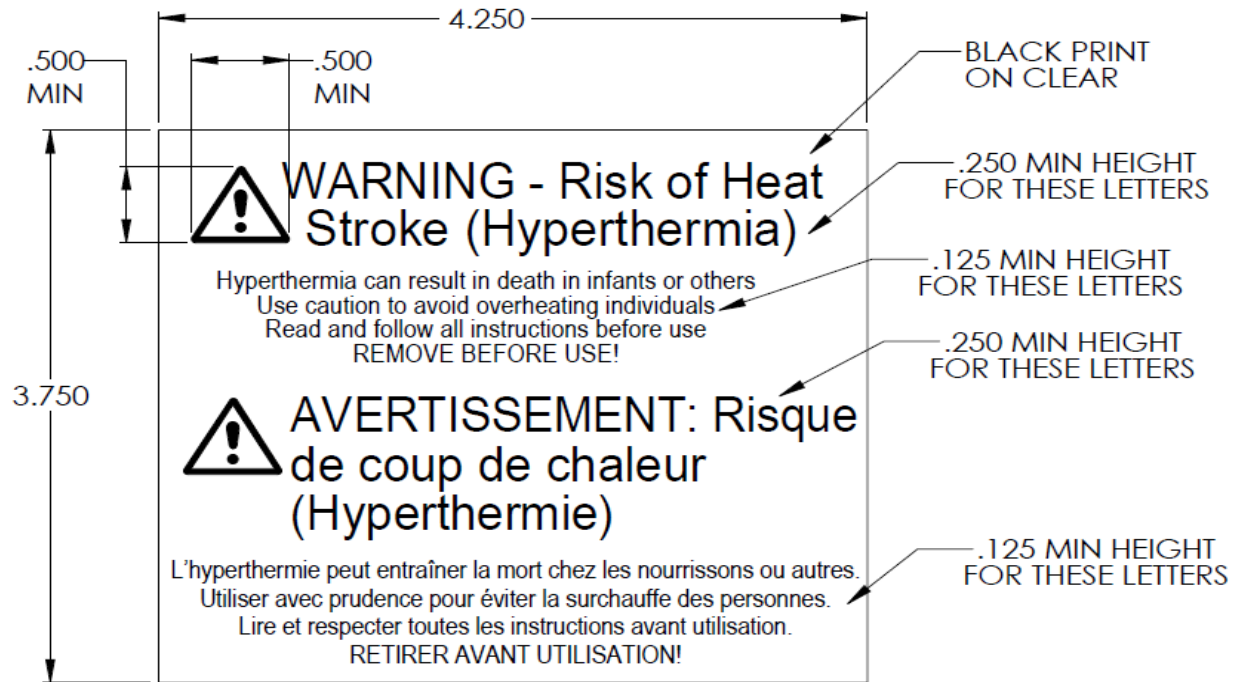
## 7.0 Illustrations

**Illustration 13** - Schematic for High Honor PCB 2033500



## 7.0 Illustrations

**Illustration 14** - Cautionary Markings: Hyperthermia Warning Label  
The label shall be temporarily affixed and readily visible on the heater



| 8.0 Test Summary                                                                                                                                                                                                        |                                                                  |           |            |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|------------|---------------------------|
| Evaluation Period                                                                                                                                                                                                       | 6/12/2018 - 6/15/2018, 7/10/2018                                 |           |            | Project No. G103519053    |
| Sample Rec. Date                                                                                                                                                                                                        | NA                                                               | Condition | Production | Sample ID. NA             |
| Test Location                                                                                                                                                                                                           | Lasko Products, LLC, 820 Lincoln Ave, West Chester, PA 19380 USA |           |            |                           |
| Test Procedure                                                                                                                                                                                                          | Test Data Acceptance - Level 3                                   |           |            |                           |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. |                                                                  |           |            |                           |
| Due to previous testing under Intertek Report 102506189CRT-001 only the following tests were performed:                                                                                                                 |                                                                  |           |            |                           |
| Test Description                                                                                                                                                                                                        | ANSI/UL 1278 Clause:                                             |           | --         | --                        |
| Leakage Current                                                                                                                                                                                                         | 39                                                               |           | --         | --                        |
| Input Test                                                                                                                                                                                                              | 38 / SC6                                                         |           | --         | --                        |
| Normal Temperature Test                                                                                                                                                                                                 | 40 / SC7                                                         |           | --         | --                        |
| Dielectric Voltage Withstand Test                                                                                                                                                                                       | 48                                                               |           | --         | --                        |
| Abnormal Operation Test - Restricted Inlet                                                                                                                                                                              | SC9                                                              |           | --         | --                        |
| Abnormal Operation Test - Overvoltage Test                                                                                                                                                                              | 42.2                                                             |           | --         | --                        |
| Abnormal Operation Test - Stalled Fan                                                                                                                                                                                   | 42.3                                                             |           | --         | --                        |
| Abnormal Operation Test - Tip-Over Test                                                                                                                                                                                 | 42.4                                                             |           | --         | --                        |
| Abnormal Operation Test - Vertical-Wall Test                                                                                                                                                                            | 42.5                                                             |           | --         | --                        |
| Abnormal Operation Test - Terry Cloth Drape Test                                                                                                                                                                        | 42.6                                                             |           | --         | --                        |
| Abnormal Operation Test - Terry Cloth Band Drape Test                                                                                                                                                                   | 42.7                                                             |           | --         | --                        |
| Abnormal Operation Test - Insulation Resistance                                                                                                                                                                         | 42.1                                                             |           | --         | --                        |
| Stability of Moveable Heaters                                                                                                                                                                                           | 51                                                               |           | --         | --                        |
| Drop Test                                                                                                                                                                                                               | 53                                                               |           | --         | --                        |
| Element Support Impact Test                                                                                                                                                                                             | 52                                                               |           | --         | --                        |
| Evaluation Period                                                                                                                                                                                                       | 3/25/2019                                                        |           |            | Project No. G103882955SVN |
| Due to previous testing performed and reported above no additional testing was necessary for Movable And Wall Or Ceiling-Hung Electric Room Heaters [UL 1278:2014 Ed.4+R:14Sep2017]                                     |                                                                  |           |            |                           |

|                                                                                                                                                                                                                         |                                                                  |           |            |             |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|------------|-------------|------------|
| Evaluation Period                                                                                                                                                                                                       | 4/3/2019 - 4/4/2019                                              |           |            | Project No. | G103888284 |
| Sample Rec. Date                                                                                                                                                                                                        | 4/3/2019                                                         | Condition | Production | Sample ID.  | 1,2        |
| Test Location                                                                                                                                                                                                           | Lasko Products, LLC, 820 Lincoln Ave, West Chester, PA 19380 USA |           |            |             |            |
| Test Procedure                                                                                                                                                                                                          | Test Data Acceptance - Level 3                                   |           |            |             |            |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. |                                                                  |           |            |             |            |
| Due to previous testing under this report, only the following tests were performed:                                                                                                                                     |                                                                  |           |            |             |            |
| Test Description                                                                                                                                                                                                        | ANSI/UL 1278 Clause:                                             |           |            | --          | --         |
| Normal Temperature Test                                                                                                                                                                                                 | 40, SC7                                                          |           |            |             |            |
| Dielectric Strength Test                                                                                                                                                                                                | 48                                                               |           |            |             |            |
| Component Failure Test                                                                                                                                                                                                  | 47                                                               |           |            |             |            |

| 8.0 Test Summary                                                                                                                                                                                                        |                                                                  |           |            |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|------------|------------------------|
| Evaluation Period                                                                                                                                                                                                       | 4/23/2019 - 4/24/2019                                            |           |            | Project No. G103906466 |
| Sample Rec. Date                                                                                                                                                                                                        | 4/23/2019                                                        | Condition | Production | Sample ID. 1,2         |
| Test Location                                                                                                                                                                                                           | Lasko Products, LLC, 820 Lincoln Ave, West Chester, PA 19380 USA |           |            |                        |
| Test Procedure                                                                                                                                                                                                          | Test Data Acceptance - Level 3                                   |           |            |                        |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. |                                                                  |           |            |                        |
| Due to previous testing under this report, only the following tests were performed:                                                                                                                                     |                                                                  |           |            |                        |
| Test Description                                                                                                                                                                                                        | ANSI/UL 1278 Clause:                                             |           | --         | --                     |
| Normal Temperature Test                                                                                                                                                                                                 | 40, SC7                                                          |           |            |                        |
| Dielectric Strength Test                                                                                                                                                                                                | 48                                                               |           |            |                        |
| Component Failure Test                                                                                                                                                                                                  | 47                                                               |           |            |                        |

|                                                                                                                                                  |           |  |  |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|--|------------------------|
| Evaluation Period                                                                                                                                | 7/10/2019 |  |  | Project No. G104010469 |
| No testing was necessary for the standard update to Movable And Wall-Or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4 +R:20Aug2018] |           |  |  |                        |

|                                                                                                                                                                                                                         |                                                                  |           |            |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|------------|------------------------|
| Evaluation Period                                                                                                                                                                                                       | 3/19/2021 to 4/7/2021                                            |           |            | Project No. G104636686 |
| Sample Rec. Date                                                                                                                                                                                                        | 3/19/2021                                                        | Condition | Production | Sample ID. 1           |
| Test Location                                                                                                                                                                                                           | Lasko Products, LLC, 820 Lincoln Ave, West Chester, PA 19380 USA |           |            |                        |
| Test Procedure                                                                                                                                                                                                          | Test Data Acceptance - Level 3                                   |           |            |                        |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. |                                                                  |           |            |                        |
| Due to previous testing under this report, only the following tests were performed:                                                                                                                                     |                                                                  |           |            |                        |
| Test Description                                                                                                                                                                                                        |                                                                  |           |            | ANSI/UL 1278 Clause:   |
| Power Input Test                                                                                                                                                                                                        |                                                                  |           |            | 38, SC6                |
| Normal Temperature Test                                                                                                                                                                                                 |                                                                  |           |            | 40, SC7                |
| Component Failure Test                                                                                                                                                                                                  |                                                                  |           |            | 47                     |
| Dielectric Voltage Withstand Test                                                                                                                                                                                       |                                                                  |           |            | 48                     |

|                                                                                                                                                                                                                         |                                                                  |           |            |                        |                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|------------|------------------------|-----------------------------|
| Evaluation Period                                                                                                                                                                                                       | 7/9/2021                                                         |           |            | Project No. G104750722 |                             |
| Sample Rec. Date                                                                                                                                                                                                        | 7/9/2021                                                         | Condition | Production | Sample ID. 1           |                             |
| Test Location                                                                                                                                                                                                           | Lasko Products, LLC, 820 Lincoln Ave, West Chester, PA 19380 USA |           |            |                        |                             |
| Test Procedure                                                                                                                                                                                                          | Test Data Acceptance - Level 3                                   |           |            |                        |                             |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. |                                                                  |           |            |                        |                             |
| Due to previous testing under this report, only the following tests were performed:                                                                                                                                     |                                                                  |           |            |                        |                             |
| Test Description                                                                                                                                                                                                        |                                                                  |           |            | ANSI/UL 1278 Clause:   | CSA C22.2 N0. 46-13 Clause: |
| Dielectric Voltage Withstand Test                                                                                                                                                                                       |                                                                  |           |            | 48                     | 7.5                         |

|                                                                                                                                                                                                                         |                                                                  |                                   |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------|------------------------|
| <b>8.0 Test Summary</b>                                                                                                                                                                                                 |                                                                  |                                   |                        |
| Evaluation Period                                                                                                                                                                                                       | 1/25/2022                                                        |                                   | Project No. G104951151 |
| Sample Rec. Date                                                                                                                                                                                                        | 1/25/2022                                                        | Condition                         | Production             |
| Test Location                                                                                                                                                                                                           | Lasko Products, LLC, 820 Lincoln Ave, West Chester, PA 19380 USA |                                   |                        |
| Test Procedure                                                                                                                                                                                                          | Test Data Acceptance - Level 3                                   |                                   |                        |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. |                                                                  |                                   |                        |
| Due to previous testing under this report, only the following tests were performed:                                                                                                                                     |                                                                  |                                   |                        |
| Test Description                                                                                                                                                                                                        | ANSI/UL 1278<br>Clause:                                          | CSA C22.2 NO. 46<br>13<br>Clause: |                        |
| Dielectric Voltage Withstand Test                                                                                                                                                                                       | 48                                                               | 7.5                               |                        |

|                                                                                                                                                                                              |          |             |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|------------|
| Evaluation Period                                                                                                                                                                            | 3/1/2024 | Project No. | G105748178 |
| Due to the previous testing performed no additional testing was necessary to update standard to Movable And Wall-Or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4 +R:21Feb2022] |          |             |            |

|                                                                                                                                                                                  |                                                                                    |              |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>8.1 Signatures</b>                                                                                                                                                            |                                                                                    |              |                                                                                      |
| A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0. |                                                                                    |              |                                                                                      |
| Completed by:                                                                                                                                                                    | Jennifer Goforth                                                                   | Reviewed by: | Russell Ransom                                                                       |
| Title:                                                                                                                                                                           | Senior Project Engineer                                                            | Title:       | Senior Staff Engineer                                                                |
| Signature:                                                                                                                                                                       |  | Signature:   |  |

### 9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

|              |                                           |
|--------------|-------------------------------------------|
| BASIC LISTEE | Lasko Products, LLC                       |
| Address      | 820 Lincoln Ave<br>West Chester, PA 19380 |
| Country      | USA                                       |
| Product      | Movable Room Heater                       |

|                          |                     |
|--------------------------|---------------------|
| MULTIPLE LISTEE 1        | None                |
| Address                  |                     |
| Country                  |                     |
| Brand Name               |                     |
| ASSOCIATED MANUFACTURER  |                     |
| Address                  |                     |
| Country                  |                     |
| MULTIPLE LISTEE 1 MODELS | BASIC LISTEE MODELS |
|                          |                     |

|                          |                     |
|--------------------------|---------------------|
| MULTIPLE LISTEE 2        | None                |
| Address                  |                     |
| Country                  |                     |
| Brand Name               |                     |
| ASSOCIATED MANUFACTURER  |                     |
| Address                  |                     |
| Country                  |                     |
| MULTIPLE LISTEE 2 MODELS | BASIC LISTEE MODELS |
|                          |                     |

|                          |                     |
|--------------------------|---------------------|
| MULTIPLE LISTEE 3        | None                |
| Address                  |                     |
| Country                  |                     |
| Brand Name               |                     |
| ASSOCIATED MANUFACTURER  |                     |
| Address                  |                     |
| Country                  |                     |
| MULTIPLE LISTEE 3 MODELS | BASIC LISTEE MODELS |
|                          |                     |

## 10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

### COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

### LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issued by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

**For US standards**, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

**For Canadian standards**, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

**If all standards on the ATM have the same standard title**, the shared title or its abbreviation may be used in place of the examples above. Example: "Medical Electrical Equipment" or "MEE"; "Information Technology Equipment" or "ITE"; "Audio/Video Information And Communication Technology Equipment" or "A/V ICTE".

**Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.**

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

### MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

### FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

#### **10.1 Evaluation of Unlisted Components**

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

**The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when these components must be selected and sent to Component Evaluation Center (CEC) for re-evaluation.**

**Due to particular testing requirements, some components may be requested to be shipped to specific labs. Thus, specific shipment destination(s) for each sample will be provided in the written notification.**

Managing CEC Location:  
Intertek Testing Services NA Inc.  
ETL Component Evaluation Center  
1717 Arlingate Ln.  
Columbus, Ohio 43228 USA  
Attn: CEC Safety

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

## 11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

### Required Tests

Dielectric Voltage Withstand Test

Tip Test

Grounding Continuity Test

## 11.1 Dielectric Voltage Withstand Test

### Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contactors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

### Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

## Products Requiring Dielectric Voltage Withstand Test:

| <u>Product</u>                       | <u>Test Voltage</u> | <u>Test Time</u> |
|--------------------------------------|---------------------|------------------|
| All products covered by this Report. | 1000V               | 60 s             |
|                                      | or                  |                  |
|                                      | 1200V               | 1 s              |

### **11.2 Tip Test**

#### Method

The manufacturer shall test each heater that employs a tip-over switch to determine that the switch functions as intended after assembly in the heater. The heater shall be energized during this test.

#### **Products Requiring Tip Test:**

All products covered by this Report.

### **11.3 Grounding Continuity Test**

#### Method

Each product listed below shall be subjected to a test to determine that there is continuity between accessible dead-metal parts of the product and the grounding pin or blade of the attachment plug.

If all accessible dead metal is connected, only a single test need be performed. A visual or audible device (ohmmeter, buzzer, etc.) may be used to indicate grounding continuity.

#### **Products Requiring Grounding Continuity Test:**

All products provided with 3 conductor cord set and 5-15P plug style covered by this Report.

| 12.0 Revision Summary                                                        |                              |         |      |                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------|------------------------------|---------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The following changes are in compliance with the declaration of Section 8.1: |                              |         |      |                                                                                                                                                                                                                                                                                                 |
| Date/<br>Proj # Site ID                                                      | Project Handler/<br>Reviewer | Section | Item | Description of Change                                                                                                                                                                                                                                                                           |
| 25-Mar-2019                                                                  | D. Robb                      | 1.0     | -    | Technical change to standard UL 1278<br>From: Movable And Wall-Or Ceiling-Hung Electric Room Heaters <Expires: 01Mar2019> [ANSI/UL 1278:2014 Ed.4+R:14Dec2016]<br>To: Movable And Wall-Or Ceiling-Hung Electric Room Heaters [UL 1278:2014 Ed.4+R:14Sep2017]<br>Product listed is not affected. |
| G103882955SVN                                                                | D. Tesfaye                   |         |      | Updated Manufacturer Address<br>From: Xiatang Village Xinhe Administrative District Wanjiang Dongguang City, DONGGUAN Guangdong Provence, China<br>To: Chuangye Industry Zone, Xinhe, Wanjiang District, Dongguan City, Guangdong Province, 523000                                              |
|                                                                              |                              |         | 8.0  | -                                                                                                                                                                                                                                                                                               |
|                                                                              |                              | 8.1     | -    | Added new signatures.                                                                                                                                                                                                                                                                           |
| 9-Apr-2019                                                                   | K. Hart                      | 1.0     | -    | Applicant contact information changed from "Mrs. Rhonda Spickler, phone: (610) 692-7400 x 380, fax: (610) 692-9325, email: RSpickler@laskoproducts.com" to "Parvathi Kodandaraman, phone: (610) 719-8949, fax: (610)692-9325, email: pkodandaraman@laskoproducts.com"                           |
| G103888284CRT                                                                | R. Ransom                    | 1.0     | -    | Corrected standard from: Movable And Wall-Or Ceiling-Hung Electric Room Heaters [UL 1278:2014 Ed.4+R:14Sep2017] to: Movable And Wall-Or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4+R:14Sep2017]                                                                                 |
|                                                                              |                              | 2.0     | -    | Removed Model 273529                                                                                                                                                                                                                                                                            |
|                                                                              |                              |         |      | Changed "Model 5132, 751320 and 273529 are identical in construction, only difference is marketing and employs motor P/N 2033043." to "Model 5132 and 751320 are identical in construction, only difference is marketing and employs motor P/N 2033043." in Model Similarity                    |
|                                                                              |                              | 3.0     | 9    | Added Photo 9 - Sound Board 2033500 (Shenzhen Topace Technology Co. Ltd.)                                                                                                                                                                                                                       |

| 12.0 Revision Summary                                                        |                              |         |      |                                                                                                                                                                                                                                                                                                                                                                                                       |
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| The following changes are in compliance with the declaration of Section 8.1: |                              |         |      |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Date/<br>Proj # Site ID                                                      | Project Handler/<br>Reviewer | Section | Item | Description of Change                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                              |                              | 4.0     | 14   | Removed Ceramic Heater Elements Dongguan City Longkey Electronic Co. RFB082E/1K5 (May be marked w/ Lasko P/N 2033306), Changshu Leeshr Heating Technology Co Ltd.LSFRT (May be marked w/ Lasko P/N 2033314), Victon Technologies HF114U2D1 (may be marked with Lasko P/N 2033318V), Dongguan Longyang Electronic Technology Co. Ltd. LYB measuring 238mm x 44mm x 155mm                               |
|                                                                              |                              |         | 14   | Changed "148mm*44mm*15mm. Rated 120V, 60Hz, 1500W. (6" Element for model CT22410 only)" to "148mm*44mm*15mm. Rated 120V, 60Hz, 1500W." for remaining types                                                                                                                                                                                                                                            |
|                                                                              |                              |         | 17   | Corrected Manual Reset Cutout manufactured by Foshan Chan Cheng Eagle Technology Co Ltd. From "AMT-P2-65°C 125 V ac, 16 A, set to open at 65°." to "AMT-P2-70° 125 V ac, 16 A, set to open at 70°."                                                                                                                                                                                                   |
|                                                                              |                              |         | 22   | Changed Technical data for Cord Tag from "Label secured with adhesive. Black & yellow ink imprinted on top of base material." to "Label secured with adhesive, DRAGON-FC Ink imprinted on top of base material. Rated for use on HPN-R cord 16AWG or larger. If the component does not bear the mark of conformity, refer to ETL report 100775497CRT-001 to inspect this component. ETLus Recognized" |
|                                                                              |                              |         | 18   | Added Sound Board:Shenzhen Topace Technology Co. Ltd. 2033500                                                                                                                                                                                                                                                                                                                                         |
|                                                                              |                              |         | 25   | Changed technical data for 16V, 47µF capacitor from "16V, 47µF (Shenzhen Long Duo Industrial Development Co., LTD and Sounds Electric Co. 2033944 boards only)" to "16V, 47µF (Shenzhen Long Duo Industrial Development Co., LTD, Shenzhen Topace Technology Co. Ltd., and Sounds Electric Co. 2033944 boards only)"                                                                                  |
|                                                                              |                              |         |      | Changed technical data for 25V, 220µF capacitor from "25V, 220µF (Shenzhen Long Duo Industrial Development Co., LTD board only)" to "25V, 220µF (Shenzhen Long Duo Industrial Development Co., LTD and Shenzhen Topace Technology Co. Ltd. boards only)"                                                                                                                                              |
|                                                                              |                              |         |      | Changed technical data for 25V, 470µF capacitor from "25V, 470µF (Sounds Electric Co. boards only)" to "25V, 470µF (Sounds Electric Co. and Shenzhen Topace Technology Co. Ltd. boards only)"                                                                                                                                                                                                         |
|                                                                              |                              |         | 31   | Changed technical data for Wire type 1015 Minimum 26AWG, 80°C, 300V (Sounds Electric Co. 2033500 board only) from "Minimum 26AWG, 80°C, 300V (Sounds Electric Co. 2033500 board only)" to "Minimum 26AWG, 80°C, 300V (2033500 boards only)"                                                                                                                                                           |
|                                                                              |                              | 5.0     | 13   | Corrected fuse manufacturer for Motor 2033043 from "Auop Electronics Corp" to "AUPO Electronics Corp"                                                                                                                                                                                                                                                                                                 |
|                                                                              |                              |         | 13   | Corrected fuse manufacturer for Motor 2033064 from "Auop Electronics Corp" to "AUPO Electronics Corp"                                                                                                                                                                                                                                                                                                 |

| 12.0 Revision Summary                                                        |                              |         |      |                                                                                                                                                                                                                                                                                                                                                          |
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| The following changes are in compliance with the declaration of Section 8.1: |                              |         |      |                                                                                                                                                                                                                                                                                                                                                          |
| Date/<br>Proj # Site ID                                                      | Project Handler/<br>Reviewer | Section | Item | Description of Change                                                                                                                                                                                                                                                                                                                                    |
|                                                                              |                              | 6.0     | 9    | Changed from "Markings - The product is marked on a component labeling system as follows: manufacturer's name, model number, date of manufacturer, electrical ratings, TP." to "Markings - The product is marked on a component labeling system as follows: applicant's name or brand name, model number, date of manufacturer, electrical ratings, TP." |
|                                                                              |                              | 7.0     | 8    | Added Illustration 8 - PCB Assembly 2033500 by Shenzhen Topace Tehnologies Co. Ltd.                                                                                                                                                                                                                                                                      |
|                                                                              |                              | 8.0     | --   | Added Test Block                                                                                                                                                                                                                                                                                                                                         |
|                                                                              |                              | 8.1     | --   | Changed signatures from "D. Robb / D. Tesfaye" to "Killian Hart / Russell Ransom"                                                                                                                                                                                                                                                                        |
| 1-May-2019                                                                   | K. Hart                      | 3.0     | 6    | Changed caption from "Photo 6 - Sound Board 2033500 (Shenzhen Long Duo Industrial Development Co., LTD)" to "Photo 6 - Power Board 2033500 (Shenzhen Long Duo Industrial Development Co., LTD)"                                                                                                                                                          |
| G103906466CRT                                                                | R. Ransom                    |         | 7    | Changed caption from "Photo 7 - Sound Board 2033500 (Sounds Electric Co.)" to "Photo 7 - Power Board 2033500 (Sounds Electric Co.)"                                                                                                                                                                                                                      |
|                                                                              |                              |         | 8    | Changed caption from "Photo 8 - Sound Board 2033944 (Sounds Electric Co.)" to "Photo 8 - Power Board 2033944 (Sounds Electric Co.)"                                                                                                                                                                                                                      |
|                                                                              |                              |         | 9    | Changed caption from "Photo 9 - Sound Board 2033500 (Shenzhen Topace Technology Co. Ltd.)" to "Photo 9 - Power Board 2033500 (Shenzhen Topace Technology Co. Ltd.)"                                                                                                                                                                                      |
|                                                                              |                              |         | 10   | Added Photo 10 - Power Board 2033944 (Shenzhen Topace Technology Co. Ltd.)                                                                                                                                                                                                                                                                               |
|                                                                              |                              | 4.0     | 6    | Corrected Oscillator motor Creative Motor Mfg. Co. Ltd. Type from "TYC50" to "TYC50 (H21)"                                                                                                                                                                                                                                                               |
|                                                                              |                              |         |      | Corrected Oscillator motor Foshan Shunde Hengxing Micro Motor Co. TYJ50-8A technical data from "120 V, 60 Hz, 36 mA." to "120 V, 60 Hz, 4W, 3RPM."                                                                                                                                                                                                       |
|                                                                              |                              |         |      | Corrected Oscillator motor Creative Motor Mfg. Co. Ltd. TYC50 (H21) technical data from "120 V, 60 Hz, 36 mA." to "120 V, 60 Hz, 4W, 3RPM."                                                                                                                                                                                                              |
|                                                                              |                              |         | 17   | Corrected Manual Reset Cutout Au One Electrical type from "AUT-3P-70°C " to "AUT-70P"                                                                                                                                                                                                                                                                    |
|                                                                              |                              |         |      | Corrected Manual Reset Cutout Au One Electrical type from "AUT-3P-65°C" to "AUT-65P"                                                                                                                                                                                                                                                                     |
|                                                                              |                              |         |      | Corrected Manual Reset Cutout Au One Electrical type from "AUT-3P-85°C" to "AUT-85P"                                                                                                                                                                                                                                                                     |
|                                                                              |                              |         |      | Corrected Manual Reset Cutout Foshan Chan Cheng Eagle Technology Co Ltd. Type from "AMT-P2-70°C" to "AUT-70P"                                                                                                                                                                                                                                            |
|                                                                              |                              |         | 18   | Corrected "Sound Board" to "Power Board"                                                                                                                                                                                                                                                                                                                 |
|                                                                              |                              |         |      | Added Power Board Shenzhen Topace Technology Co. Ltd. 2033944                                                                                                                                                                                                                                                                                            |
|                                                                              |                              |         | 21   | Corrected Internal wire Various Type from "3122" to "1015"                                                                                                                                                                                                                                                                                               |
|                                                                              |                              |         |      | Corrected Internal wire Various 1015 technical data from "16AWG, 200°C, 300V" to "16AWG, 105°C, 600V"                                                                                                                                                                                                                                                    |

| 12.0 Revision Summary                                                        |                              |         |      |                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| The following changes are in compliance with the declaration of Section 8.1: |                              |         |      |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Date/<br>Proj # Site ID                                                      | Project Handler/<br>Reviewer | Section | Item | Description of Change                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                              |                              | 4.0     | 23   | Changed PCB Various type from "ZPMV2" to "Various"                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                              |                              |         |      | Removed PCB Various TP-15502                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                              |                              |         | 24   | Corrected Fuse Various type from "JDYX2" to "Various"                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                              |                              |         | 27   | Corrected Power Switching Semi-conductors ADV type from "ADS1D80" to "ADV STD80"                                                                                                                                                                                                                                                                                                                                           |
|                                                                              |                              |         | 31   | Corrected Wire Various type from "1015" to "2468"                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                              |                              | 7.0     | 9    | Added Illustration 9 - PCB Assembly 2033944 by Shenzhen Topace Tehnologies Co. Ltd.                                                                                                                                                                                                                                                                                                                                        |
|                                                                              |                              | 8.0     | --   | Added Test Block                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                              |                              | 8.1     | --   | Killian Hart / Russell Ransom resigned                                                                                                                                                                                                                                                                                                                                                                                     |
| 10-Jul-2019                                                                  | D. Antonov                   | 1.0     | -    | Standard updated from Movable And Wall-Or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4+R:14Sep2017] to Movable And Wall-Or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4 +R:20Aug2018]                                                                                                                                                                                                          |
| G104010469CRT                                                                | R. Ransom                    | 4.0     | 14   | Changed description from "148mm*44mm*15mm. Rated 120V, 60Hz, 1500W" to "148mm*44mm*15mm. Rated 120V, 60Hz, 1500W. Used in Models CT22410, CT22410M, CT22415, CT22415M."                                                                                                                                                                                                                                                    |
|                                                                              |                              | 4.0     | 14   | Added alternate ceramic heater element RFB082E/1K5 manufactured by Dongguan City Longkey Electronic Co.<br>Added alternate ceramic heater element LSFRT manufactured by Changshu Leeshr Heating Technology Co Ltd.<br>Added alternate ceramic heater element HF114U2D1 manufactured by Victon Technologies.<br>Added alternate ceramic heater element LYB manufactured by Dongguan Longyang Electronic Technology Co. Ltd. |
|                                                                              |                              | 4.0     | 17   | Model AUT-85P is deleted from report.                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                              |                              | 4.0     | 17   | Manufacturer name corrected from "Foshan Chan Cheng Eagle Technology Co Ltd." to "Foshan Eagle Technology Co Ltd."                                                                                                                                                                                                                                                                                                         |
|                                                                              |                              | 4.0     | 17   | Corrected Foshan Eagle Technology Co Ltd. model number from "AUT-70P" to "AMT-P2"<br>Changed description from 125 Vac, 16 A, set to open at 70° to "125 V ac, 16 A, set to open at 70°. Used for models CT22410, CT22410M, CT22415 and CT22415M."                                                                                                                                                                          |
|                                                                              |                              | 4.0     | 17   | Description of Au One Electrical model AUT-70P changed from from 125 Vac, 16 A, set to open at 70° to "125 V ac, 16 A, set to open at 70°. Used for models CT22410, CT22410M, CT22415 and CT22415M."                                                                                                                                                                                                                       |
|                                                                              |                              | 4.0     | 17   | Description of model AUT-65P changed from 125 V ac, 16 A, set to open at 65°. For models 5132, 75132, 8132, BCC-1500 to "125 V ac, 16 A, set to open at 65°. For models 5132, 751320, 8132, BCC-1500 and 8132"                                                                                                                                                                                                             |
|                                                                              |                              | 4.0     | 27   | Model ADV STD80 corrected to ADV S1D80                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                              |                              | 4.0     | 27   | Model ADS1D80 TO-92 1A corrected to ADV S1D80                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                              |                              | 8.0     | -    | Added test block. Resigned, replaced Killian Hart / Russell Ransom to Denys Antonov/Russell Ransom                                                                                                                                                                                                                                                                                                                         |

| <b>12.0 Revision Summary</b>                                                 |                              |         |      |                                                                                                                                                                                      |
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| The following changes are in compliance with the declaration of Section 8.1: |                              |         |      |                                                                                                                                                                                      |
| Date/<br>Proj # Site ID                                                      | Project Handler/<br>Reviewer | Section | Item | Description of Change                                                                                                                                                                |
| 9-Apr-2021                                                                   | H. Schaubroeck               | 3.0     | 8    | Updated to replace image used for Photo 8.                                                                                                                                           |
| G104636686CRT                                                                | R. Ransom                    | 7       | 5.1  | Replaced with updated version                                                                                                                                                        |
|                                                                              |                              | 7       | 5.2  | Replaced with updated version                                                                                                                                                        |
|                                                                              |                              | 8       | --   | Added new test block.                                                                                                                                                                |
|                                                                              |                              | 8       | 1    | Updated signatures from: "Denys Antonov / Russell Ransom" to: "Harry Schaubroeck / Russell Ransom".                                                                                  |
| 15-Apr-2021                                                                  | D. Root                      | 2       | --   | Added model 751321.                                                                                                                                                                  |
| G104647705CRT                                                                | R. Ransom                    | 2       | --   | Updated model similarity to add "Model 751321 is same as CT22415 except it uses same plastic front grill, element, element cover, and front body as 751320 and uses PCB 751321 U/M." |
|                                                                              |                              | 3       | 11   | Added Photo 11 - Power Board Shenzhen Topace Technology Co. Ltd. PCB 751321 U/M                                                                                                      |
|                                                                              |                              | 3       | 12   | Added Photo 12 - Sounds Electric Co. PCB 751321 U/M                                                                                                                                  |
|                                                                              |                              | 4       | 3    | Added Alternate Top Lens, manufactured by LG Chemical Ltd, model GN-1006F                                                                                                            |
|                                                                              |                              | 4       | 14   | Added Reference for model 751321 for heater models RFB082E/1K5 and LYB Measuring: 238mm x 44mm x 15mm.                                                                               |
|                                                                              |                              | 4       | 16   | Added Alternate Heater Blower Housing, model 168 (+)(f1)                                                                                                                             |
|                                                                              |                              | 4       | 17   | Added to technical data under model AMT-P2 125V ac, 16 A, set to open at 65°C. Used for models 751321.                                                                               |
|                                                                              |                              | 4       | 18   | Added Alternate power board manufactured by Sounds Electric Co., model 751321 U/M                                                                                                    |
|                                                                              |                              | 4       | 18   | Added Alternate power board manufactured by Shenzhen Topace Technology Co. Ltd., model 751321 U/M                                                                                    |
|                                                                              |                              | 6       | 12   | Added Carton Markings                                                                                                                                                                |
|                                                                              |                              | 7       | 6    | Updated Illustration 6 - Model Similarities Table                                                                                                                                    |
|                                                                              |                              | 7       | 10   | Added Illustration 10 - PCB Assembly 751321 U/M by Shenzhen Topace Tehnologies Co. Ltd.                                                                                              |
|                                                                              |                              | 7       | 11   | Added Illustration 11 - PCB Assembly 751321 U/M by Sounds Electric Co. (Verify Polarity)                                                                                             |
| 23-Jul-2021                                                                  | D. Hammond                   | 3       | 13   | Added Photo 13 - Power Board Topace PBC 2033500                                                                                                                                      |
| G104750722CRT                                                                | R. Ransom                    | 4       | 32   | Added New critical component Fuse Box                                                                                                                                                |
|                                                                              |                              | 7       | 12   | Added Illustration 12 - Schematic for Topace PCB 2033500                                                                                                                             |
|                                                                              |                              | 8       | --   | Added new test block and updated signatures                                                                                                                                          |

| 12.0 Revision Summary                                                        |                                                                                              |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| The following changes are in compliance with the declaration of Section 8.1: |                                                                                              |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Date/<br>Proj # Site ID                                                      | Project Handler/<br>Reviewer                                                                 | Section | Item  | Description of Change                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 11-Feb-2022                                                                  | L. Chen                                                                                      | 3       | 14    | Added Photo 14 - Power Board High Honor PCB 2033500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| G104951151CRT                                                                | R. Ransom                                                                                    | 4       | 33    | Added new power board manufactured by High Honor, model 2033500.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                              |                                                                                              | 4       | 34-45 | Added new components for Power board (section 4, item 33)manufactured by High Honor, model 2033500.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                              |                                                                                              | 7       | 13    | Added Illustration 13 - Schematic for High Honor PCB 2033500.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                              |                                                                                              | 8       | --    | Added new test block and updated signatures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 7-Mar-2024                                                                   | J. Goforth  | 1       | -     | Updated Standard from "Movable And Wall-Or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4 +R:20Aug2018]" to "Movable And Wall-Or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4 +R:21Feb2022]"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| G105748178CRT                                                                | R. Ransom   | 2       | -     | Updated Models from "5132, 751320, 5132M, BCC-1500, 8132, CT22410, CT22410M, CT22415, CT22415M, 751321." to "751320. 8132. CT22410. CT22415. 751321.";<br>In Model Similarity:<br>Deleted "Model 5132 and 751320 are identical in construction, only difference is marketing and employs motor P/N 2033043. Models 5132M and 8132 are identical in construction, only difference is marketing and employs motor P/N 2033064.", Changed "Models BCC-1500, 5132M and 8132 are identical in construction, only difference is marketing and employs motor P/N 2033064." to "Models 5132M and 8132 are identical in construction, only difference is marketing and employs motor P/N 2033064.", Deleted "Model CT22410M is identical to 5132M except it uses the metal mesh front grill.<br>Model CT22415M is identical to CT22410M except the control area has a revised look." |
|                                                                              |                                                                                              | 3       | 1     | Changed caption from "Model 5132." to "Representative of Model 751320."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                              |                                                                                              | 4       | 14    | Removed "CT22410M, CT22415M" from RFB/HF/LYB Technial Data column; Removed "5132, 5132M, BCC-1500" from RFB082E/1K5, LFSRT, HF114U2D1, and LYB Technical Data Column                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                              |                                                                                              | 4       | 17    | Removed "CT22410M,CT22415M" from AUT-70P Technical Data Column; Removed "5132, BCC-1500" from AUT-65P Technical Data Column; Removed "CT22410M,CT22415M" from AMT-P2 Technical Data Column                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                              |                                                                                              | 6       | 10    | Changed from "Refer to Illustrations 4.1 and 4.2 for details." to "Refer to Illustrations 4.1, 4.2 and 14 for details."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                              |                                                                                              | 7       | 4.1   | Updated Caution Label Illustration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                              |                                                                                              |         | 4.2   | Updated Cord Tag Label Illustration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                              |                                                                                              |         | 6     | Updated Model Similarities Table to remove Model 5132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                              |                                                                                              |         | 7.1   | Updated Instruction Manual Illustration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| 12.0 Revision Summary                                                        |                              |         |      |                                                   |
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| The following changes are in compliance with the declaration of Section 8.1: |                              |         |      |                                                   |
| Date/<br>Proj # Site ID                                                      | Project Handler/<br>Reviewer | Section | Item | Description of Change                             |
|                                                                              |                              |         | 7.2  | Updated Instruction Manual Illustration           |
|                                                                              |                              |         | 14   | Added Illustration 14 for Temporary Warning Label |
|                                                                              |                              | 8       | -    | Updated Test Summary                              |