

1.0 Reference and Address			
Report Number	105846316CRT-001	Original Issued: 2-Jul-2024	Revised: None
Standard(s)	Movable and Wall- or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4+R:21Feb2022]		
Applicant	Lasko Products LLC	Manufacturer	Risheng Electrical Appliances Co. Ltd.
Address	820 Lincoln Ave West Chester, PA 19380-4469	Address	Chuangye Industry Zone, Xinhe, Wanjiang District Dongguan City, Guangdong Province 523000
Country	USA	Country	China
Contact	Parvathi Kodandaraman	Contact	Xiao Yao Ren
Phone	(610)-719-8949	Phone	+86-769-88991018
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2.0 Product Description	
Product	Electric Heater
Brand name	Lasko
Description	The product covered under this report is a household, indoor use, cord connected, movable heater.
Models	CX16550
Model Similarity	N/A
Ratings	120VAC, 60Hz, 1500W
Other Ratings	Dry Locations

3.0 Product Photographs

Photo 1 - Overall External View of the CX16550 electric heater

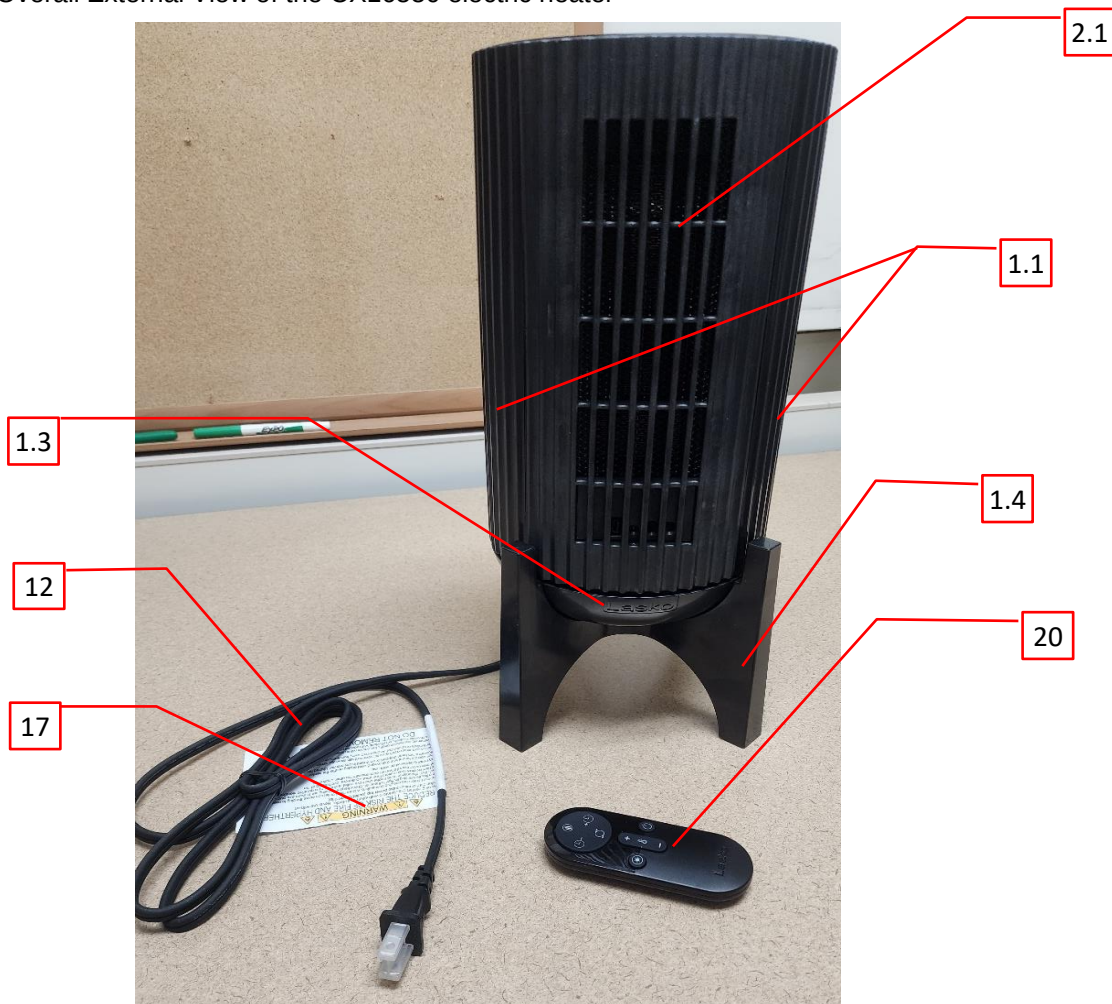


Photo 2 - Dissassembled view of the Base of the CX16550



3.0 Product Photographs

Photo 3 - External Face of each of the CX16550 enclosure panels

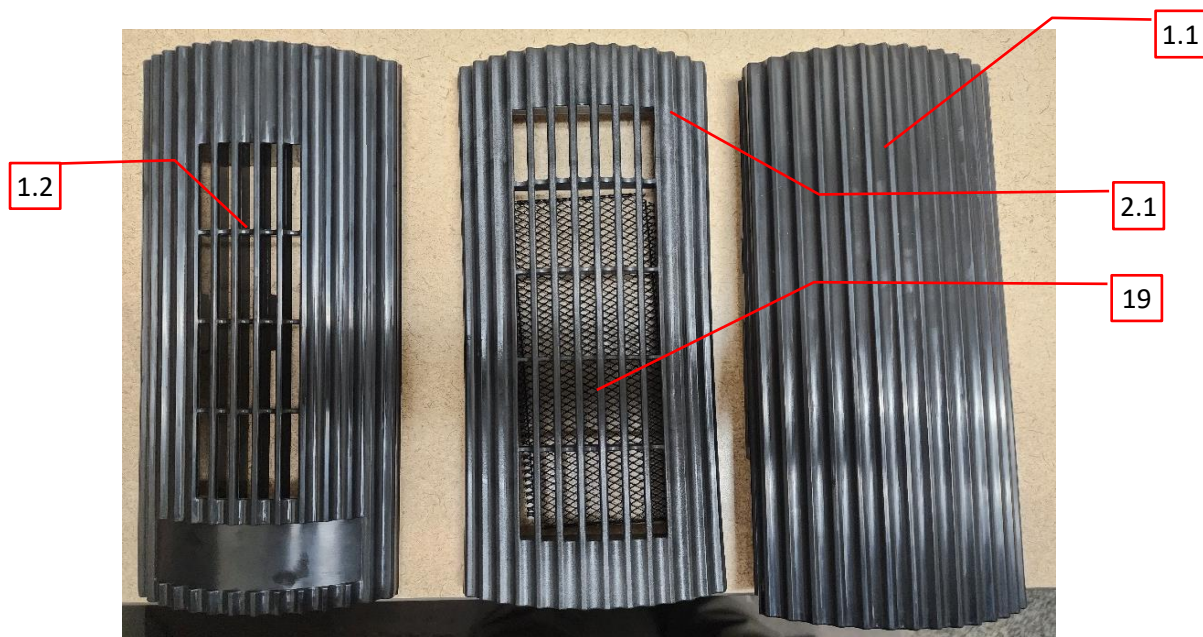


Photo 4 - Internal bottom view of the Oscillation mechanism for the CX16550



3.0 Product Photographs

Photo 5 - Internal top view of the Oscillation mechanism for the CX16550

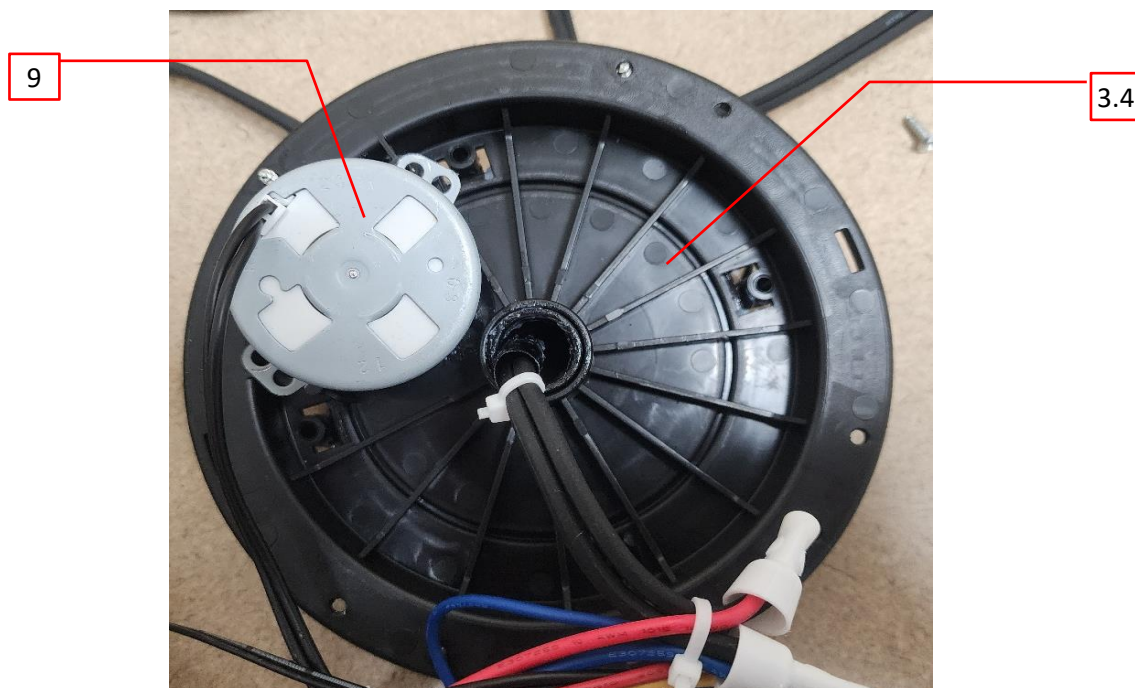
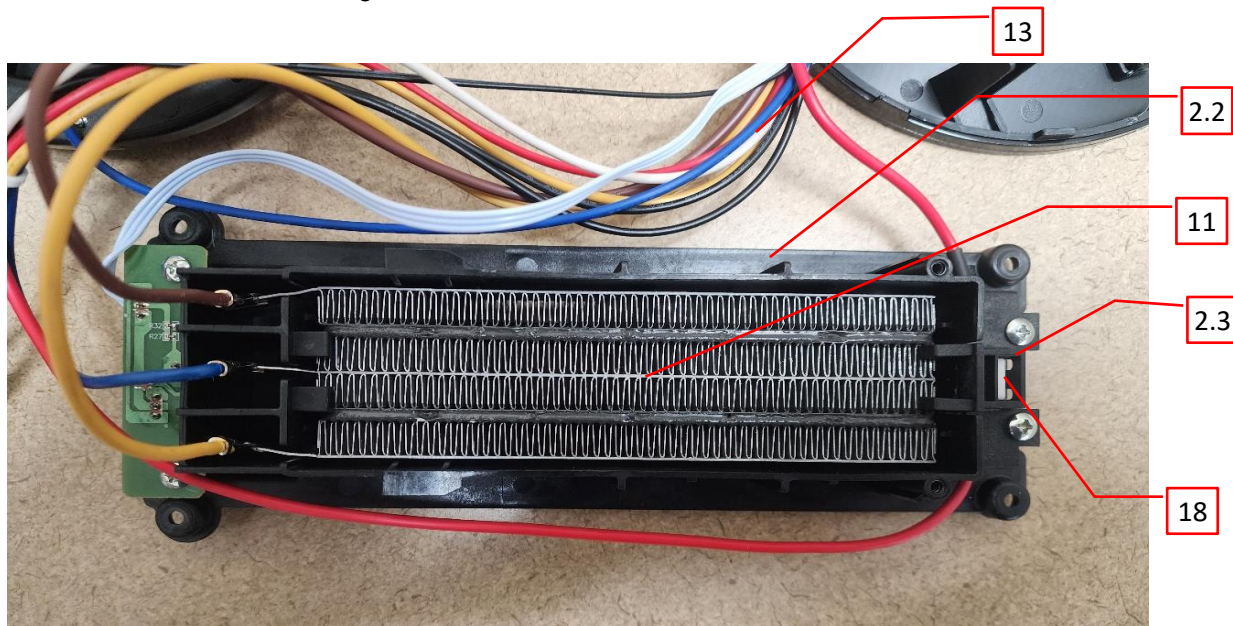


Photo 6 - Internal face of the heating element for the CX16550



3.0 Product Photographs

Photo 7 - External face of the heating element for the CX16550

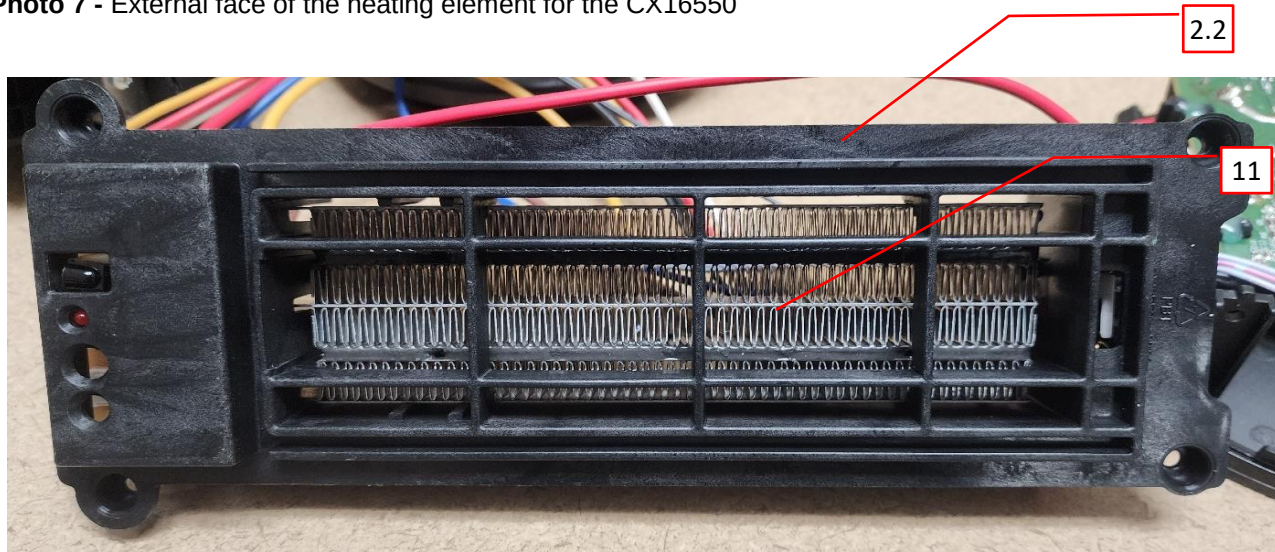
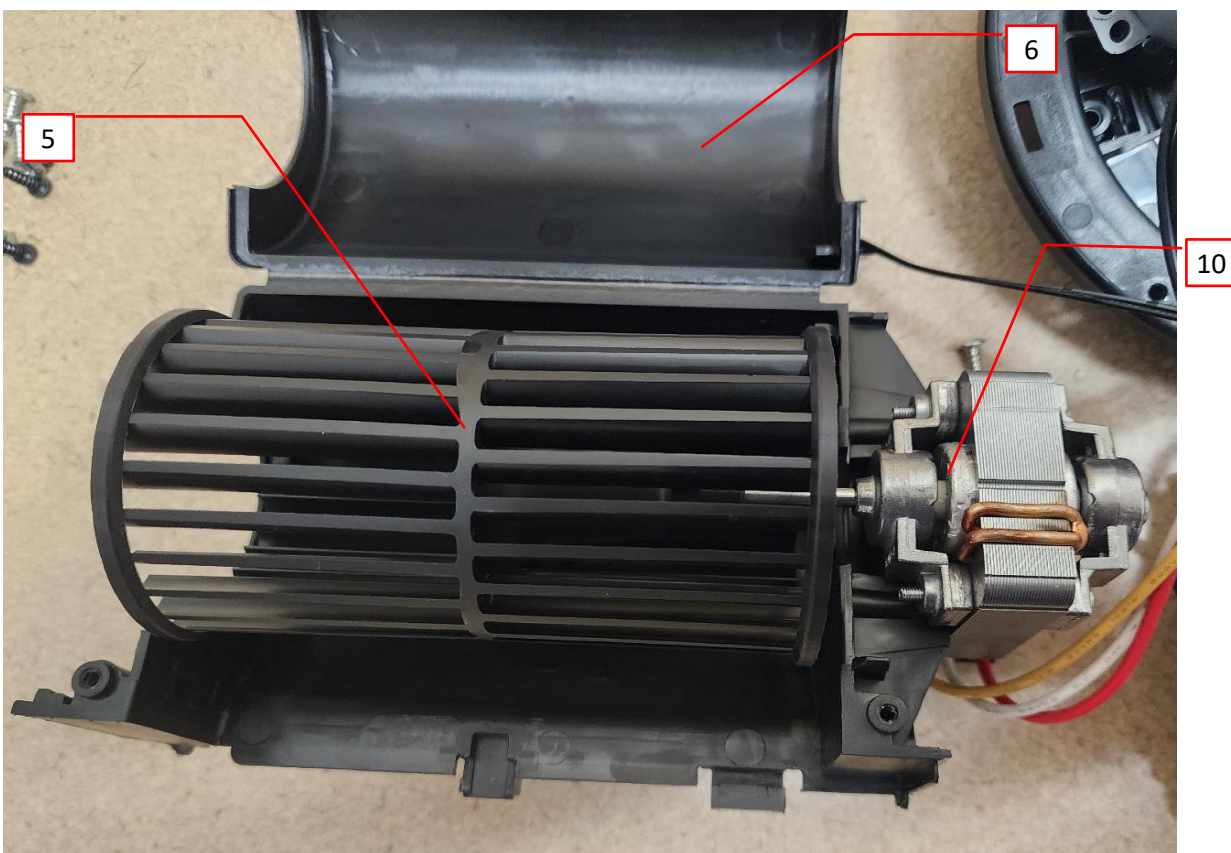


Photo 8 - Blower Unit for the CX16550



3.0 Product Photographs

Photo 9 - Internal view of the top plate for the CX16550

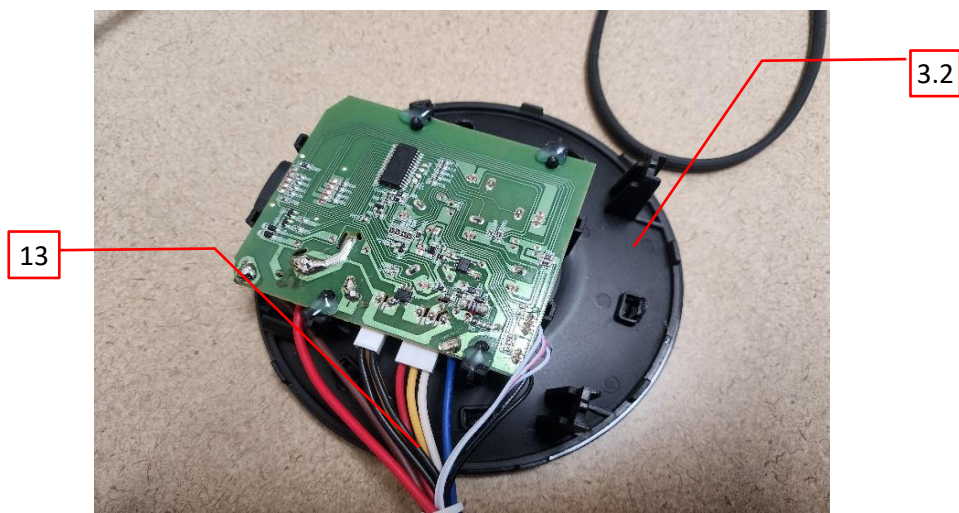


Photo 10 - Internal view of the of the CX16550 with most of the internal electronics installed



3.0 Product Photographs

Photo 11 - Remote Model S18654



3.0 Product Photographs

Photo 12 - Power Board Sounds Electric Co., Ltd. Top view

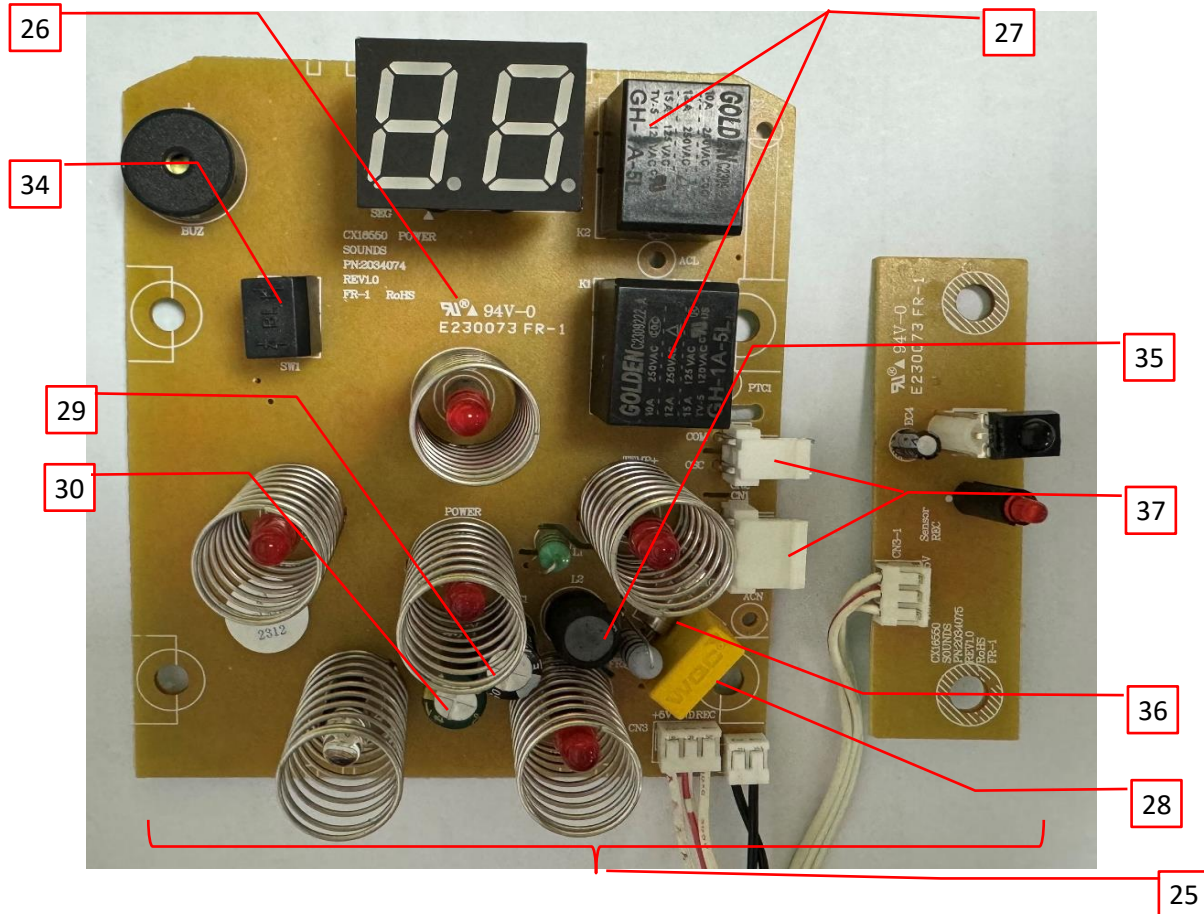
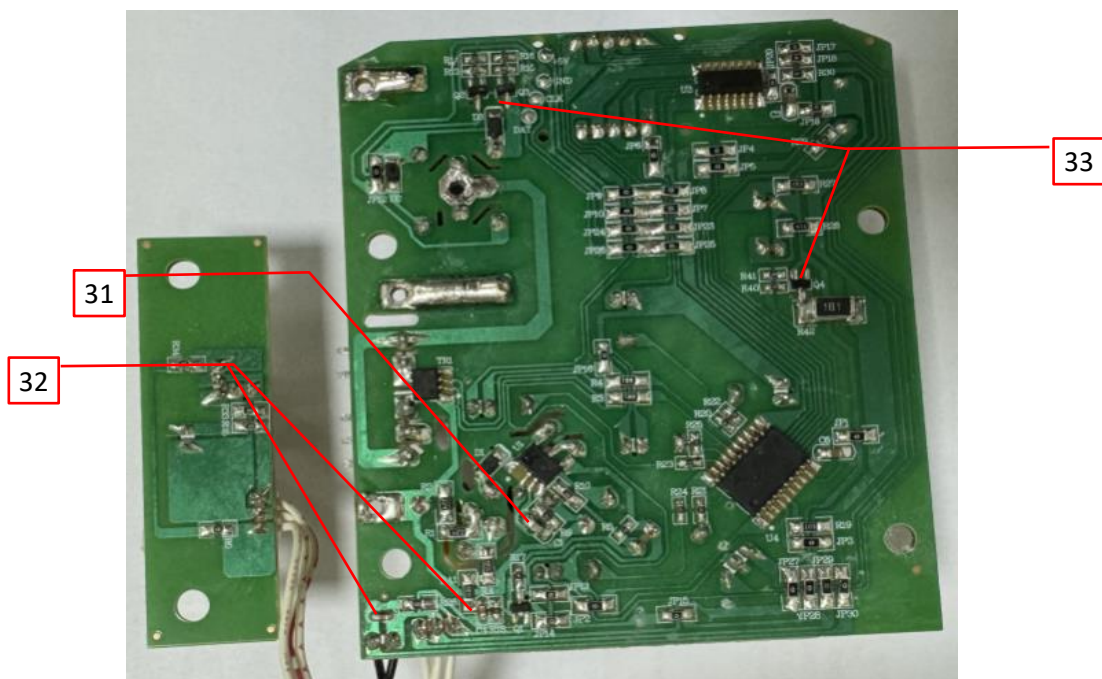


Photo 13 - Power Board Sounds Electric Co., Ltd. Bottom view



3.0 Product Photographs

Photo 14 - Power Board Topace Technology Co Ltd. Top view

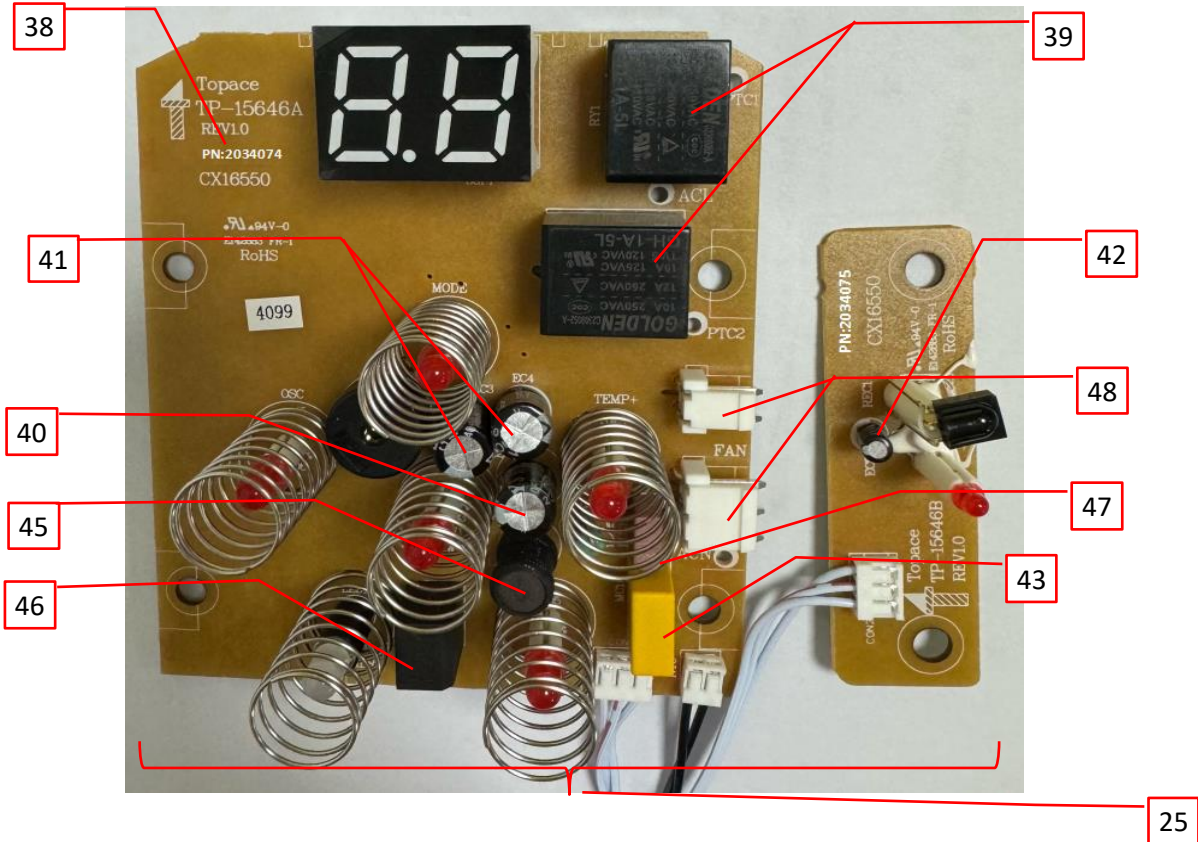
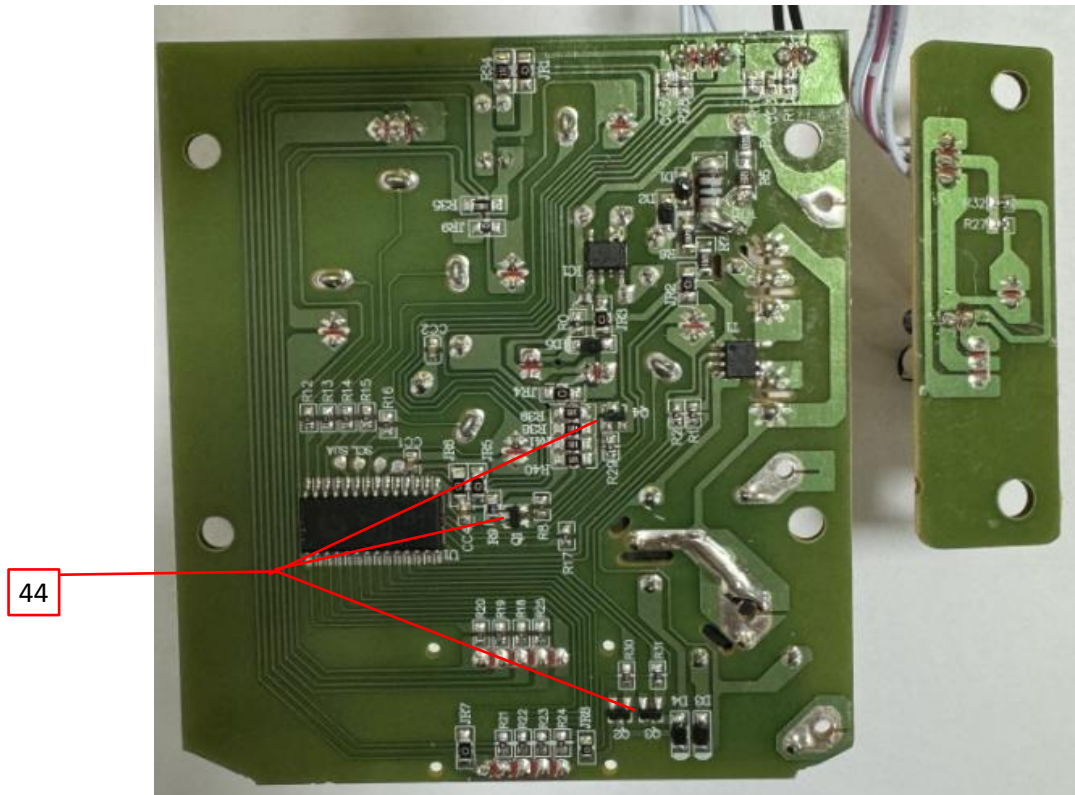


Photo 15 - Power Board Topace Technology Co Ltd. Bottom view



4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1, 3, 10	1.1	Side Panel (polymeric)	LG Chem Huizhou Petrochemical Co Ltd.	AF312B	Min thickness: 2.1mm Material: ABS UL94 Flame Rating: 5VB Max operating temperature: 70°C HAI rating: 2 HWI rating: 2 UV rating: N/A Right / Left Panels are the same	cURus
			Lotte Chemical Corporation.	VH-0815(+)	Min thickness: 2.0mm Material: ABS UL94 Flame Rating: 5VB Max operating temperature: 85°C HAI rating: 0 HWI rating: 3 UV rating: N/A Right / Left Panels are the same	
3	1.2	Rear Panel (polymeric)	LG Chem Huizhou Petrochemical Co Ltd.	AF312B	Min thickness: 2.1mm Material: ABS UL94 Flame Rating: 5VB Max operating temperature: 70°C HAI rating: 2 HWI rating: 2 UV rating: N/A Fan intake slots are located on the Rear panel. See Illustration 2 for dimensions requiring verification	cURus
			Lotte Chemical Corporation.	VH-0815(+)	Min thickness: 2.0mm Material: ABS UL94 Flame Rating: 5VB Max operating temperature: 85°C HAI rating: 0 HWI rating: 3 UV rating: N/A Fan intake slots are located on the Rear panel. See Illustration 2 for dimensions requiring verification	

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1, 2	1.3	Bottom (polymeric)	LG Chem Huizhou Petrochemical Co Ltd.	AF312B	Min thickness: 2.1mm Material: ABS UL94 Flame Rating: 5VB Max operating temperature: 70°C HAI rating: 2 HWI rating: 2 UV rating: N/A	cURus
			Lotte Chemical Corporation.	VH-0815(+)	Min thickness: 2.0mm Material: ABS UL94 Flame Rating: 5VB Max operating temperature: 85°C HAI rating: 0 HWI rating: 3 UV rating: N/A	
1, 2	1.4	Base Legs (polymeric)	LG Chem Huizhou Petrochemical Co Ltd.	AF312B	Min thickness: 2.1mm Material: ABS UL94 Flame Rating: 5VB Max operating temperature: 70°C HAI rating: 2 HWI rating: 2 UV rating: N/A	cURus
			Lotte Chemical Corporation.	VH-0815(+)	Min thickness: 2.0mm Material: ABS UL94 Flame Rating: 5VB Max operating temperature: 85°C HAI rating: 0 HWI rating: 3 UV rating: N/A	

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1, 3	2.1	Front Panel (polymeric)	Kingfa Sci & Tech Co Ltd.	PBT-RG301(r1)	Min thickness: 1.5mm Material: PTB UL94 Flame Rating: V-0 Max operating temperature: 130°C HAI rating: 0 HWI rating: 2 UV rating: N/A Fan intake slots are located on the Front panel. See Illustration 2 for dimensions requiring verification	cURus
			Nantong Orient Plastics Co Ltd.	3080 G30	Min thickness: 1.6mm Material: PTB UL94 Flame Rating: V-0 Max operating temperature: 130°C HAI rating: 0 HWI rating: 2 UV rating: N/A Fan intake slots are located on the Front panel. See Illustration 2 for dimensions requiring verification	
6, 7	2.2	Element Holder (polymeric)	Kingfa Sci & Tech Co Ltd.	PBT-RG301(r1)	Min thickness: 1.5mm Material: PTB UL94 Flame Rating: V-0 Max operating temperature: 130°C HAI rating: 0 HWI rating: 2 UV rating: N/A	cURus
			Nantong Orient Plastics Co Ltd.	3080 G30	Min thickness: 1.6mm Material: PTB UL94 Flame Rating: V-0 Max operating temperature: 130°C HAI rating: 0 HWI rating: 2 UV rating: N/A	

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6	2.3	TCO Holder (polymeric)	Kingfa Sci & Tech Co Ltd.	PBT-RG301(r1)	Min thickness: 1.5mm Material: PTB UL94 Flame Rating: V-0 Max operating temperature: 130°C HAI rating: 0 HWI rating: 2 UV rating: N/A	cURus
			Nantong Orient Plastics Co Ltd.	3080 G30	Min thickness: 1.6mm Material: PTB UL94 Flame Rating: V-0 Max operating temperature: 130°C HAI rating: 0 HWI rating: 2 UV rating: N/A	
2	3.1	Base Cover (polymeric)	Polyrocks Chemical Co Ltd.	5000(f1)	Min thickness: 0.75mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 120°C HAI rating: 0 HWI rating: 4 UV rating: N/A	cURus
			Silver Age Engineering Plastics (Dongguan) Co Ltd.	433+	Min thickness: 0.75mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 110°C HAI rating: 0 HWI rating: 0 UV rating: N/A	

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
9	3.2	Top Insert (polymeric)	Polyrocks Chemical Co Ltd.	5000(f1)	Min thickness: 0.75mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 120°C HAI rating: 0 HWI rating: 4 UV rating: N/A	cURus
			Silver Age Engineering Plastics (Dongguan) Co Ltd.	433+	Min thickness: 0.75mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 110°C HAI rating: 0 HWI rating: 0 UV rating: N/A	
4	3.3	Strain Relief (polymeric)	Polyrocks Chemical Co Ltd.	5000(f1)	Min thickness: 0.75mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 120°C HAI rating: 0 HWI rating: 4 UV rating: N/A Used as the Base cover, Top Insert, Strain Relief, & Oscillation Plate for the CX16550. Strain relief is accomplished by routing power cord through J shaped clamp. Refer to photo 4 callout for reference.	cURus
			Silver Age Engineering Plastics (Dongguan) Co Ltd.	433+	Min thickness: 0.75mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 110°C HAI rating: 0 HWI rating: 0 UV rating: N/A Used as the Base cover, Top Insert, Strain Relief, & Oscillation Plate for the CX16550. Strain relief is accomplished by routing power cord through J shaped clamp. Refer to photo 4 callout for reference.	

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
5	3.4	Oscillation Plate (polymeric)	Polyrocks Chemical Co Ltd.	5000(f1)	Min thickness: 0.75mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 120°C HAI rating: 0 HWI rating: 4 UV rating: N/A	cURus
			Silver Age Engineering Plastics (Dongguan) Co Ltd.	433+	Min thickness: 0.75mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 110°C HAI rating: 0 HWI rating: 0 UV rating: N/A	
1	4	Top Plate (polymeric) (Not Shown)	LG Chem Ltd.	LUPOY GN1006F(m)(#)	Min thickness: 2.5mm Material: PC UL94 Flame Rating: V-0 Max operating temperature: 110°C HAI rating: 0 HWI rating: 3 UV rating: N/A	cURus
			Silver Age Engineering Plastics (Dongguan) Co Ltd.	230	Min thickness: 0.8mm Material: PC (NC, RD) UL94 Flame Rating: V-0 Max operating temperature: 80°C HAI rating: 0 HWI rating: 2 UV rating: N/A	
8	5	Impeller (Blower Wheel)	Polyrocks Chemical Co Ltd.	168(+)(f1)	Min thickness: 0.8mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 120°C HAI rating: 0 HWI rating: 4 UV rating: N/A Nom Dim: L 11.3cm x Ø 6.6cm	cURus
8, 10	6	Blower Housing	Polyrocks Chemical Co Ltd.	168(+)(f1)	Min thickness: 0.8mm Material: PP UL94 Flame Rating: V-0 Max operating temperature: 120°C HAI rating: 0 HWI rating: 4 UV rating: N/A	cURus

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
5	7	CAM (Not Shown)	Super-Dragon Engineering Plastics Co Ltd.	PA66FG430	Min thickness: 0.75mm Material: Nylon UL94 Flame Rating: V-0 Max operating temperature: 65°C HAI rating: 0 HWI rating: 1 UV rating: N/A	cURus
			Kingfa Sci & Tech Co Ltd.	PA66-RG301	Min thickness: 0.75mm Material: Nylon UL94 Flame Rating: V-0 Max operating temperature: 65°C HAI rating: 0 HWI rating: 0 UV rating: N/A	cURus
4	8	Oscillation Adapter	Super-Dragon Engineering Plastics Co Ltd.	PA66FG430	Min thickness: 0.75mm Material: Nylon UL94 Flame Rating: V-0 Max operating temperature: 65°C HAI rating: 0 HWI rating: 1 UV rating: N/A	cURus
			Kingfa Sci & Tech Co Ltd.	PA66-RG301	Min thickness: 0.75mm Material: Nylon UL94 Flame Rating: V-0 Max operating temperature: 65°C HAI rating: 0 HWI rating: 0 UV rating: N/A	cURus

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
5, 10	9	Oscillation Motor	Foshan Shunde Hengxing Micro Motor Co Ltd.	TYJ50-8A	120VAC, 60Hz, 4W, 3RPM, Impedance Protected (ZP)	cURus
			Minzhao Electric Co Ltd	50TYZ-0.2B02	120VAC, 60Hz, 4W, 3RPM, Impedance Protected (ZP)	
			Jiangmen Dongrun Machinery And Electrical Co Ltd	TY50J	120VAC, 60Hz, 4W, 3RPM, Impedance Protected (ZP)	
8, 10	10	Fan Motor	Risheng Electrical Appliances Co. Ltd.	2033043	120V, 60Hz, 0.35A, 1-Speed	See 5.0
6, 7	11	Heating Element	Dongguan Longyang Electronic Technology Co Ltd.	LYB-120-1500	120V, 1500W, Ceramic	cURus
			Dongguan City LongKey Electronic Co Ltd.	RFB-120-1500	120V, 1500W, Ceramic	cURus
1, 4	12	Cordset	Various	HPN-R	2x16AWG, Rated 300V, 105°C. Minimum 1.8m (6ft) - maximum 2.4m (8ft), measured from the cord exits to the face of the attachment plug. Provided with a 2 prong 1-15P style polarized plug rated 125V, 15A.	UL or ETL
6, 9, 10	13	Internal Conductors	Various	1015	20AWG, 600V, 105°C, For connections to the motor (Item 10)	cURus
					22-24AWG, 600V, 105°C For connections with Oscillation Motor (Item 9)	
					16AWG, 600V, 105°C For all connections to the Heating element	

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
10	14	Closed end Connector (Not Shown)	Heavy Power Co.Ltd	CE2	300V max, 105°C, 22-14AWG	cURus
				CE2X		
				CE5	300V max, 105°C, 22-10AWG	
				CE5X	300V max, 105°C, 20-10AWG	
1	15	Heat Shrinkable tubing (Not Shown)	Dongguan Salipt Co Ltd	Salipt S-901-600	600V max, 125°C	cURus
1	16	Label (Not Shown)	Zhongshan Fuzhou Adhesive Product Co Ltd.	TL-TA25	60°C max, Indoor Use, Must be applied on Galvanized steel or ABS only	cURus
				TL-SM25		
1	17	Cord Tag	Lasko	Tyvek L 1057D	Label 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	ETLus Recognized
6	18	Thermal Cut Out	AUONE ELECTRONIC MFG LTD	AUT-90°C	Rated 125V, 90°C	cURus
			FOSHAN EAGLE TECHNOLOGY CO LTD	AMT-P2-90°C	Rated 125V, 90°C	cURus
3	19	Metal Grill	Various	Various	Minimum 0.7mm thick, Steel	NR
1	20	Hand-Held Remote Control	Risheng	0205589RS	IR, line of sight. Battery operated hand-held remote. Consists of items 21,22,23,24 Refer to illustration 7 & 8 for remote dimensions.	NR
11	21	Front Cover, Remote	LG Chem Huizhou Petrochemical Co Ltd.	HP181	ABS, HB, 60°C, 1.6mm thick. Refer to illustration 7 for dimensioned drawing	UR

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11	22	Rear Cover, Remote	LG Chem Huizhou Petrochemical Co Ltd.	HP181	ABS, HB, 60°C, 1.6mm thick. Refer to illustration 7 for dimensional drawing	UR
11	23	Battery Cover	LG Chem Huizhou Petrochemical Co Ltd.	HP181	ABS, HB, 60°C, 1.6mm thick, 0.58NM, Refer to illustration 7 and 8 for dimensional drawing.	UR
11	24	Coin Cell Battery	Various	CR2025	1 supplied, Lithium metal based, 3V	NR
12, 14	25	Control / Power LED Board	Sounds Electric Co., Ltd.	2034074	120VAC, 60Hz, Refer Illustration 3, Consists of Items: 26-37 For use on CX16550	NR
			Topace Technology Co Ltd.	2034075	120VAC, 60Hz, Refer Illustration 4, Consists of Items: 38-48 For use on CX16550	
12	26	PCB (Sounds)	ZHONGSHAN LIXIN CHAIN-BOARD CO LTD	FR-1	Min thickness: 1.5mm UL94 flame rating: V-0 UL796 DSR-ALL: All Max temperature: 130°C	cURus
			MEI ZHOU CHAO JIE ELECTRONIC CO.,LTD	CJ-3638V		
			Foshan Junze Electronics Co., Ltd	JZ-F		
			HUIZHOU ZHENGHUA ELECTRONICS CO LTD	ZH-2		
			ZHONGSHAN CHENGYE ELECTRONIC CIRCUIT BOARD CO.,LTD	OO1		
12	27	Relay - K1, K2 (SOUNDS)	Dongguan Golden Electrical Appliance Co Ltd	GH-1A-5L	15A@125VAC, 10A@250VAC	cURus
			ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO LTD	MPA-S-105-A		
			Shenzhen Yuanze Electric Co Ltd	Y3F-SS-105DM		
			ZHONGSHAN XIAOLAN GUOKE RELAY FACTORY	GK3FF-12VDC-S-A		

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
12	28	Capacitor (CX1) (Sounds)	Dongguan Weiqing	MPX	Type: X2 Capacity: 0.22μF Tolerance: ±10% Voltage: 250/275/310V Max Temp: 110°C	cURus
			Guangdong Fengming Electronic Tech. Co.,LTD	MKP-X2		
			Guangdong Jingang Electronic Technology Co.,Ltd	MKP-X2		
			Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd	MPX		
12	29	Capacitor (EC1) (Sounds)	Suqian Huhong Electronic Industrial Co.Ltd	Various	Type: Aluminum Electrolytic Capacity: 6.8μF Tolerance: ±20% Voltage: 250V Max Temp: 105°C	NR
			CHENGDU DASEN ELECTRONIC CO.,LTD	Various		
			DONGGUAN E-TAK ELECTRONIC CO.,LTD .	Various		
			YIYANG WANJINGYUAN ELECTRONIC CO.,LTD	Various		
			SHENZHEN RUIKANG ELECTRONICS LIMITED COMPANY	Various		

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
12	30	Capacitor (EC2) (Sounds)	Suqian Huhong Electronic Industrial Co.Ltd	Various	Type: Aluminum Electrolytic Capacity: 470μF Tolerance: ±20% Voltage: 16V Max Temp: 105°C	NR
			CHENGDU DASEN ELECTRONIC CO.,LTD	Various		
			DONGGUAN E-TAK ELECTRONIC CO.,LTD .	Various		
			YIYANG WANJINGYUAN ELECTRONIC CO.,LTD	Various		
			SHENZHEN RUIKANG ELECTRONICS LIMITED COMPANY	Various		
			DongGuan ChuangHui electronics Co.,Ltd	Various		
			SHENZHEN DAFU Electronic Technology Co., Ltd.	Various		
			SHENZHEN RUIKANG ELECTRONICS LIMITED COMPANY	Various		

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
13	31	Capacitor (C1, R29F) (Sounds)	GUANGDONG FENGHUA ADVANCED TECHNOLOGY(HOLDING)CO.,LTD	Various	Type: MLCC 0805 X7R Capacity: 105pF Tolerance: ±20% Voltage: 50V Max Temp: 125°C	NR
			SAMSUNG ELECTRO-MECHANICS	Various		
13	32	Capacitor (C4, C5) (Sounds)	GUANGDONG FENGHUA ADVANCED TECHNOLOGY(HOLDING)CO.,LTD	Various	Type: MLCC 0603 X7R Capacity: 102pF Tolerance: ±20% Voltage: 50V Max Temp: 125°C	NR
			SAMSUNG ELECTRO-MECHANICS	Various		
13	33	Chip Transistor (Q1,Q2,Q3,Q4) (Sounds)	Foshan Blue Rocket	S8050 SOT-23	(hFE) β: 200-300 Voltage: 40V Amperage: 800mA	NR
			Shenzhen Long Jing Micro-electronics Co.,Ltd.	S8050 SOT-23		
			SHENZHEN DAYA ELECTRONIC CO.,LTD	S8050 SOT-23		
12	34	Photoelectric Coupler Switch (SW1) (Sounds)	DONGGUAN BAILING ELECTRON CO.,LTD	BL-3030A	Switching Angle: 45° Voltage: 5V Amperage: 10mA	NR
12	35	I-shaped Inductor (L2) (Sounds)	GUANGDONG FENGHUA ADVANCED TECHNOLOGY(HOLDING)CO.,LTD	VLU0810	Inductance: 1mH Tolerance: ±20% Voltage rating: 400V max Current rating: 0.4A Maximum temperature: 85°C	NR
			FEN YI COUNTY SUNTOP ELECTRONICS CO., LTD	RLGA0810U		

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
12	36	Fuse (FUSE) (Sounds)	SHENZHEN LANSON ELECTRONICS CO LTD	3K	Type: Glass Cartage Fuse (non-replaceable) Slow/fast blow: Slow Current rating: 1A Voltage rating: 250 VAC	cURus
			DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	334		
			ZHONG SHAN LANBAO ELECTRICAL APPLIANCES CO LTD	RTI-10		
			XC ELECTRONICS (SHENZHEN) CORP LTD	3T		
12	37	Terminal (CN2, CN3) (Sounds)	Shenzhen Liangxu Electronics Co., Ltd	VH 3P	Type: Push in. Voltage rating: 250V max Current rating: 10A max Max operating temperature: 105°C Environmental rating: Min Dry	NR
			Shenzhen Liangxu Electronics Co., Ltd	VH 2P		
14	38	PCB (Topace)	YEE KING INTERNATIONAL SOURCING LTD	YK2	Min thickness: 1.6mm UL94 flame rating: V-0 UL796 DSR-ALL: All Max temperature: 130°C	cURus
			DONGGUAN HUATUO ELECTRONIC CO LTD	YK-02		
			FENGSHUN JUNDA ELECTRONIC CO LTD	JD-V		

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
14	39	Relay (RY1, RY2) (Topace)	SHENZHEN GOLDEN ELECTRICAL APPLIANCES CO LTD	GH-1A-5L	15A/125VAC, 10A/250VAC	cURus
			SANYOU CORPORATION LIMITED	SRD-S-105DM		
			ZHEJIANG MEISHUO ELECTRIC TECHNOLOGY CO LTD	MPA-S-105-A		
14	40	Capacitor (EC2) (Topace)	KANG CHENG DA ELECTRONIC CO.,LTD	Various	Type: Aluminum Electrolytic Capacity: 4.7µF Tolerance: ± 20% Voltage: 400V Max Temp: 105°C	NR
			Suqian Huahong Electronic Industrial Co,Ltd	Various		
			Guangdong Ketuo Electronic Components	Various		
14	41	Capacitor (EC3, EC4) (Topace)	KANG CHENG DA ELECTRONIC CO.,LTD	Various	Type: Aluminum Electrolytic Capacity: 470 µF Tolerance: ± 20% Voltage: 16 V Max Temp: 105°C	NR
			Suqian Huahong Electronic Industrial Co,Ltd	Various		
			Guangdong Ketuo Electronic Components	Various		

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
14	42	Capacitor (EC5) (Topace)	KANG CHENG DA ELECTRONIC CO.,LTD	Various	Type: Aluminum Electrolytic Capacity: 47 μ F Tolerance: $\pm$ 20% Voltage: 16 V Max Temp: 105°C	NR
			Suqian Huahong Electronic Industrial Co,Ltd	Various		
			Guangdong Ketuo Electronic Components	Various		
14	43	Capacitor (MC1) (Topace)	SURETOP TECHNOLOGY CO LTD	MPX	Type: Class X2 Capacity: 0.22 μ F ? Tolerance: $\pm$ 10% ? Voltage: 250/275/310V Max Temp: 110°C	cURus
			SHANTOU HIGH-NEW TECHNOLOGY DEVELOPMNT ZONE SONGTIAN ENTERPRISE CO LTD	MKP-X2		
15	44	SMT Transistor (Q1, Q2, Q3, Q4) (Topace)	CHANGHAO MICROELECTRONICS	S8050(J3Y)	(hFE) β : 300 Voltage: 50V Amperage: 0.1A	NR
			Jifu Electronic Co., Ltd	S8050(J3Y)		
14	45	I-core Inductor (L3) (Topace)	Shenzhen Tengqi Electronics Co., Ltd	1mH	Inductance: 1mH Tolerance: $\pm$ 10% Maximum temperature: 105°C	NR
			Guang Dong GuoCi Electronics Limited	1mH		

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ₃
14	46	Photoelectric switch (SW7) (Topace)	BAI LING ELECTRONICS CO.,LTD.	BL-3030-45	Switching Angle: 45° Voltage: 5V Amperage: 10mA	NR
14	47	Fuse (FUSE1) (Topace)	XC ELECTRONICS (SHENZHEN)CO RP LTD	5TE	Type: Glass Cartage Fuse (non-replaceable) Slow/fast blow: Fast Current rating: 1A Voltage rating: 250 VAC	cURus
			SHENZHEN LANSON ELECTRONICS CO LTD	SMT		
14	48	Terminal (OSC, FAN) (Topace)	YUEQING HONGYI ELECTRONICS CO LTD	VH-2AW	Type: Push in. Voltage rating: 250VAC/DC Current rating: 7.5A Max operating temperature: 85°C Environmental rating: Min Dry	cURus
				VH-3AW		
			ZHEJIANG CHENGMING ELECTRONCS TECHNOLOGYC O LTD	VH-2AW		
				VH-3AW		
			YUEQING JIADE ELECTRONICS CO LTD	VH-2AW		
				VH-3AW		
NOTES: 1) Not all item numbers are indicated (called out) in the photos, as their location is obvious. 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. 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	
8, 10	10	Fan Motor	Risheng Electrical Appliances Co. Ltd.			2033043	
Electrical Rating: 120V, 60Hz, 0.35A						Insulation class A	
Component Standard used: UL 1004-3, CSA C22.2 #100, CSA C22.2 #77							
MATERIALS LIST (refer to illustration 6 for assembly drawing)							
Component		Manufacturer	Type/model	Dimensions/thickness/assembly information			
Core		Xiong Chang Hardware Factory	SPCC	48×48×0.5mm			
Bobbin Cover		Nan Ya Plastic Corp	Nylon + 5%GF	6410G5. Rated V-0			
Insulating Tape		Nitto Denko Corp	31CTF-Yellow	21×115×0.2mm. Rated 130°C			
		Jingjing Jingyi Adhesive Product Co Ltd	JY25-A(b)©				
		Suzhou Mailaduona Electric Material Co Ltd	JY312(#)				
Coil		Risheng Electrical Appliances Factory	1UEW	Ø0.23mm×1650T			
Fuse		Nec Schott Components Corp	SM100A1	Rated 250V, 2A, 115°C			
		Aupo Electronics Corp	P2-F				
Lead Wire		Risheng Electrical Appliances Factory	1015	Rated 105°C, VW-1. 20AWG.			
		Hua Da Electric Industrial Co					
		ShunDe KenDa Electrical Factory					
WINDING(S) RESISTANCE							
Winding Designation		Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Primary		0.23	1UEW	1650	120	0.35	53.5

5.0 Critical Unlisted CEC Components			
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 VAC	60 Sec.
	Primary to secondary	--	--
	Secondary to core	--	--

6.0 Critical Features
<u>Recognized Component</u> - 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.
<u>Listed Component</u> - 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.
<u>Unlisted Component</u> - 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.
<u>Critical Features/Components</u> - 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.
<u>Class 2 Circuit</u> - A circuit having limited voltage and energy capacity that is considered to not present a risk of shock or fire.
<u>Construction Details</u> - 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. <u>Spacing</u> - In primary circuits, the minimum spacings tabulated in Section 7, Illustration 1 are maintained between current carrying parts of opposite polarity and between current carrying parts and dead metal. This includes the spacings between the control PCB and the metal grille and the PCB and the motor.
2. <u>Mechanical Assembly</u> - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. <u>Corrosion Protection</u> - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. <u>Accessibility of Live Parts</u> - All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described in Sections 4.
5. <u>Grounding</u> - This product is not provided with a means of grounding as it is not intended for operation on a circuit involving a potential of more than 150 volts to ground.
6. <u>Polarized Connection</u> - 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. <u>Internal Wiring</u> - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component 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 20 AWG, with a minimum rating of 300V, 90°C.
8. <u>Schematics</u> - Refer to Illustration No. 3, 4 for schematics requiring verification during Field Representative Inspection Audits. Verify polarity of electrical connections.
9. <u>Markings</u> - The product is marked on a labeling system as described in item no. 16 of Section 4.0 or by molding into polymeric enclosure as follows: applicant's name or brand name, model number, date of manufacture, input voltage and frequency, and total wattage.

6.0 Critical Features

10. Cautionary Markings - The following are required:

Refer to illustration 9b for remote control markings

"CAUTION: High temperature, keep electrical cords, drapery, and other furnishings at least 3 feet (0.9 m) from the front of the heater and away from the side and rear." and "WARNING - Risk of Hyperthermia" - Must be visible from a point 5 feet (1.5 m) above the floor and between 1 and 4 feet away from the front surface of the heater. The marking shall be in letters not less than 1/8 inch (3.2 mm) in height and shall be of a permanent type and in a color that contrasts with that of the enclosure or background.

"WARNING - Risk of Heat Stroke (Hyperthermia) Hyperthermia can result in death in infants or others Use caution to avoid overheating individuals Read and follow all instructions before use REMOVE BEFORE USE!" - Temporarily affixed and readily visible on the heater (Heading 1/4in. minimum, Body Text 1/8 in. minimum)

"RESET INSTRUCTIONS

If the unit shuts down:

- 1) Unplug unit, wait 5-10 minutes
- 2) Plug in and turn ON

Any Questions call 1-800-233-0268"

Cord Tag Marking:

"WARNING - TO REDUCE THE RISK OF FIRE AND HYPERTHERMIA" and "DO NOT REMOVE THIS TAG!" and "1) Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).

2) Check your heater cord and plug connections. A loose fitting outlet can cause the plug to overheat or cause a fire. Be sure plug fits tight in the outlet. Check frequently during use to make sure plug and outlet are not hot. If so, discontinue using heater and have outlet replaced by a qualified electrician.

Note: Heaters draw more current than small appliances, overheating of the outlet may occur even if it has not occurred with the other appliances.

3) Always unplug heater when not in use.

4) Do not operate heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater.

5) Do not run under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.

6) Hyperthermia can result in death. Use caution when operating the heater to avoid overheating that can occur in infants, or individuals with reduced physical, sensory, or mental capabilities.

DO NOT REMOVE THIS TAG!" - The cord tag must be located within 6 inches from the attachment plug; Signal words must be: Bold, 3.56mm in height; Body text must be: 1.60mm in height; "Do not remove this tag" must be: Bold, 2.03mm in height

Heater carton cautionary markings shall have coin cell battery markings as shown in illustrations 9a and 9c and the following:

"WARNING

Rated: 120 Volts AC, 12.5 AMPS, 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."

6.0 Critical Features

11. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. (Refer to Illustration 5a-5f)

7.0 Illustrations

Illustration 1 - Minimum Spacing Requirements

Parts Involved	Potential Involved (Volts)	Inch	mm
A. Between uninsulated live parts of opposite polarity; and between a rigidly mounted uninsulated live part other than an open-type heating element (see below) and a noncurrent carrying metal part that either is exposed for persons to contact or may be grounded.	0-250	0.06	1.6
	251-600	1/4b,c	6.4b,c
B. Between an open-type heating element and a noncurrent carrying metal part that either is exposed for persons to contact or may be grounded, except for a temperature limiting control sensing element and its supports located above the heating elements.d,e,f	0-600	2-Jan	12.7
a If an uninsulated live part is not rigidly supported, or if a movable noncurrent-carrying metal part is in proximity to an uninsulated live part, the construction shall be such that at least the minimum acceptable spacing of 1/16 inch (1.6 mm) is maintained under all operating conditions and under all normal conditions of handling. In applying this table, a sheath of an isolated metal-clad element in a heater with provisions for grounding is considered to be an uninsulated live part. b Film-coated insulated wire is considered to be an uninsulated live part. However, a spacing of not less than 3/32 inch (2.4 mm) over the surface and through air is acceptable between a noncurrent-carrying metal part and film-coated insulated wire rigidly supported and held in place on a motor coil. c A spacing of 1/16 inch (1.6 mm) is permissible at the heating element support and terminals only (see note d) in a heater rated for 300 volts or less. d These spacing requirements apply to an open-type heating element such as a ribbon type or a coiled type at locations other than the element supports and its terminal connections. At each element support and within 1/2 inch (12.7 mm) of the support, measured from the outer edge of the support point along the heater element, and at the terminal connections, the spacings specified in item A apply provided the element supports are constructed such that sagging of the heating element due to loss of its tension will not result in reduction of the minimum spacings as specified in the item A. e For the temperature limiting control sensing element and its supports located above the heating element, the spacing requirements in item A apply. A sensing element and its supports are considered to be above the heating element if any sag in the heating element due to gravity would result in an increased spacing between the heating element and the sensing element or its supports. f Less than a 1/2-inch spacing between the open-type heating element and a noncurrent carrying metal part, but not less than the spacing specified in item A, is acceptable if the design of the heating element and its supports is such that sagging or movement of the heating element, to reduce the spacing to less than specified in item A, is not likely to occur.			

7.0 Illustrations

Illustration 2 - Enclosure openings on the Front panel (Right) and the Rear panel (Left)

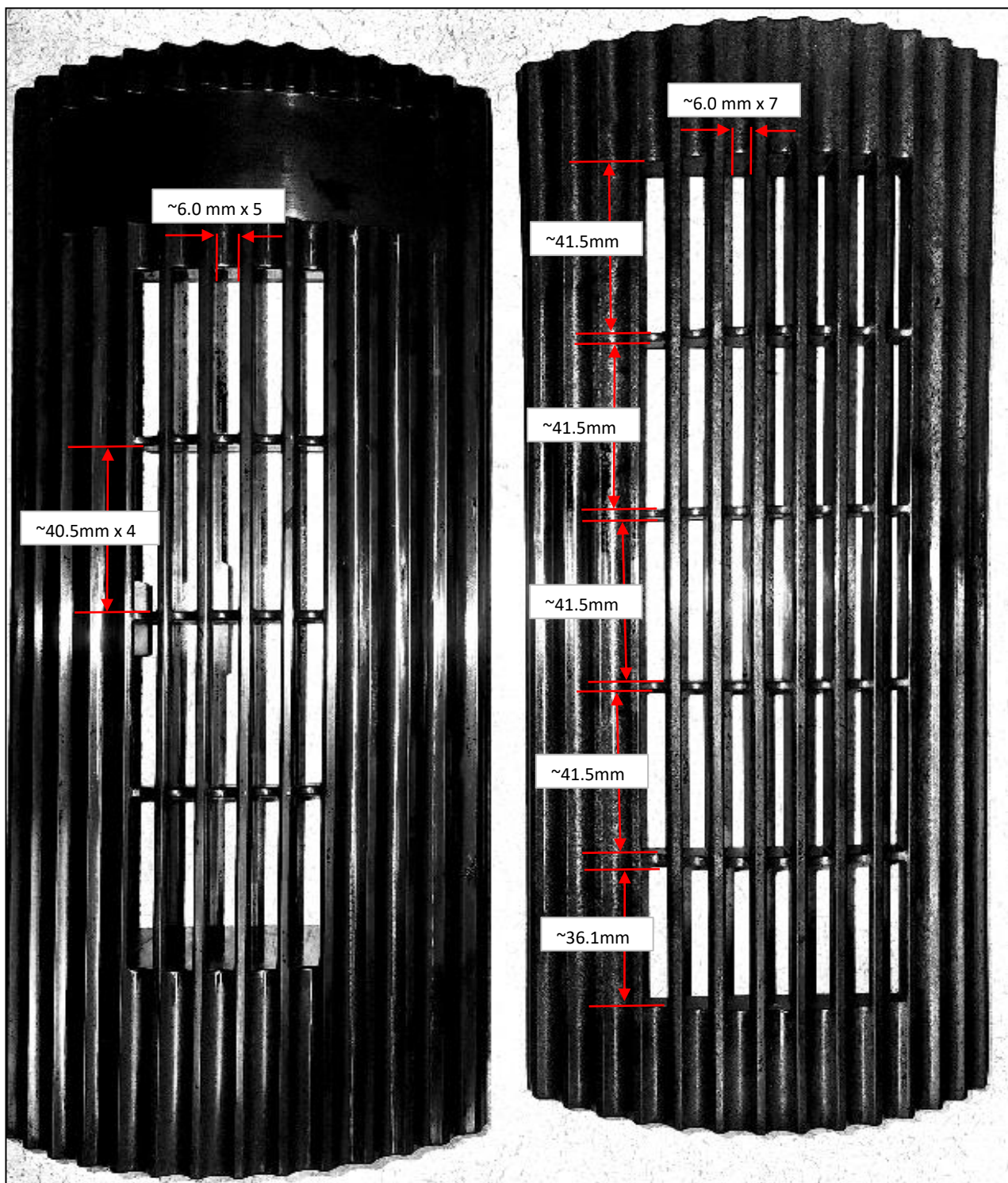


Illustration 3 - Electrical Schematic for the Sounds control Board (2034074)

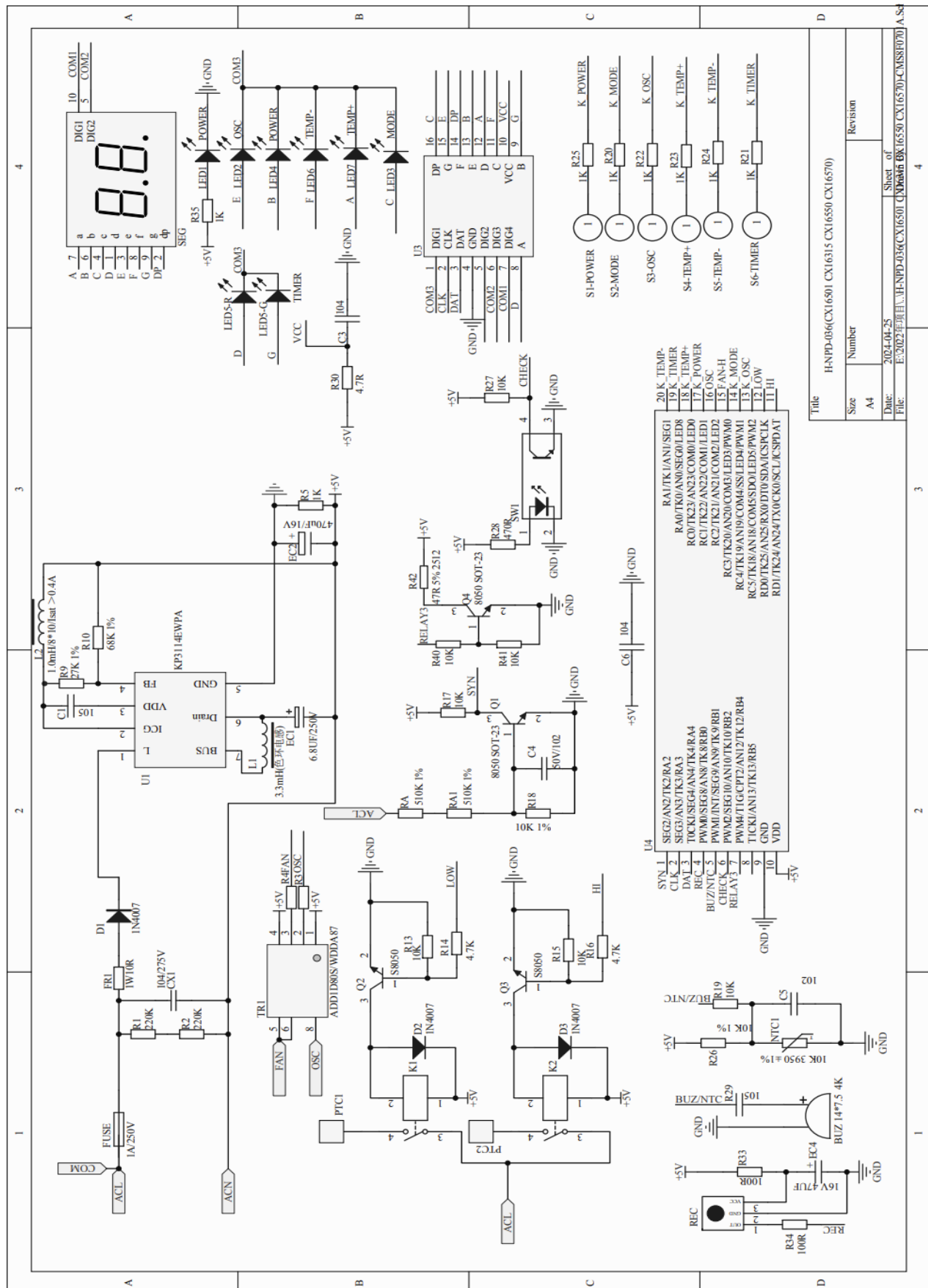
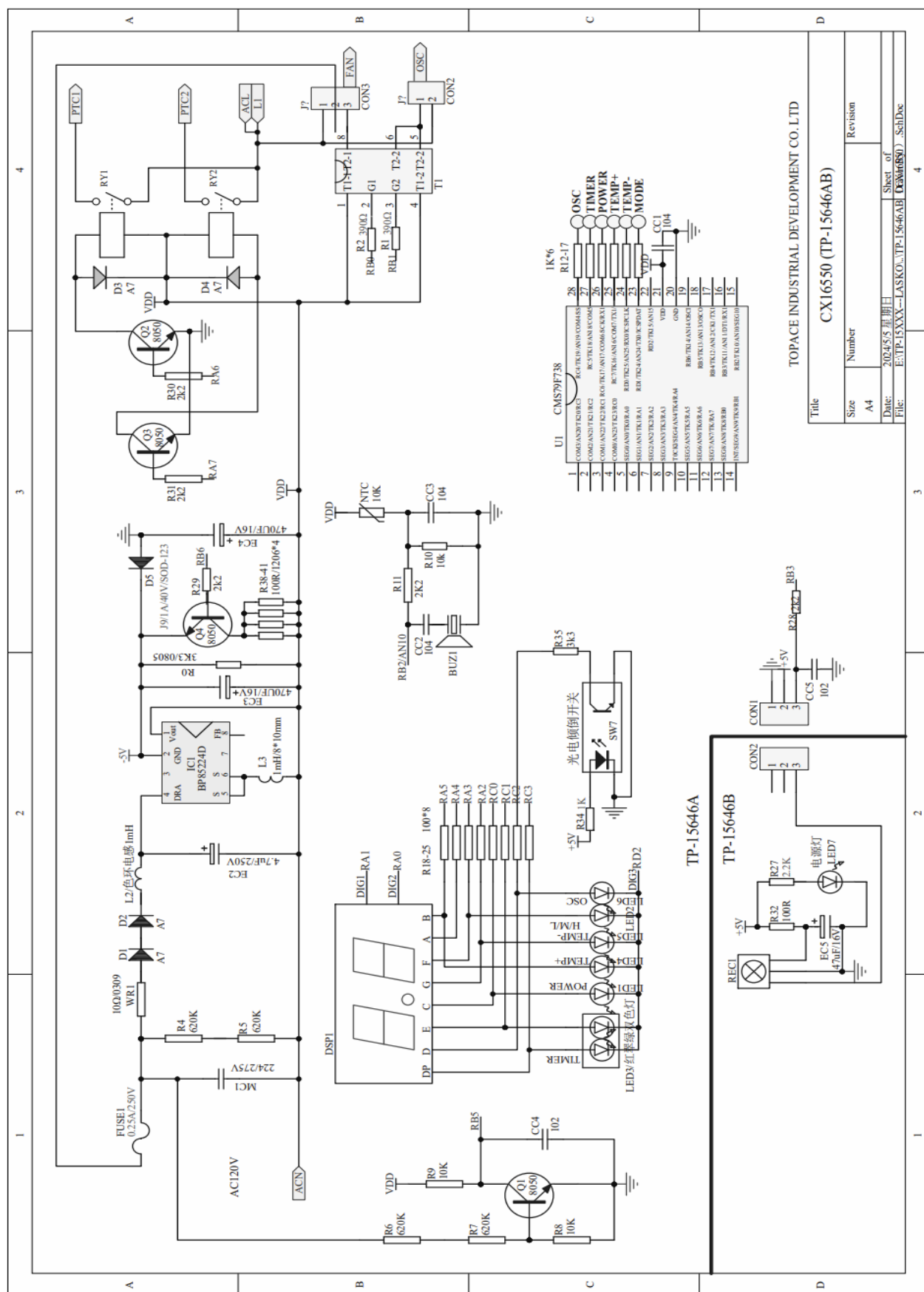
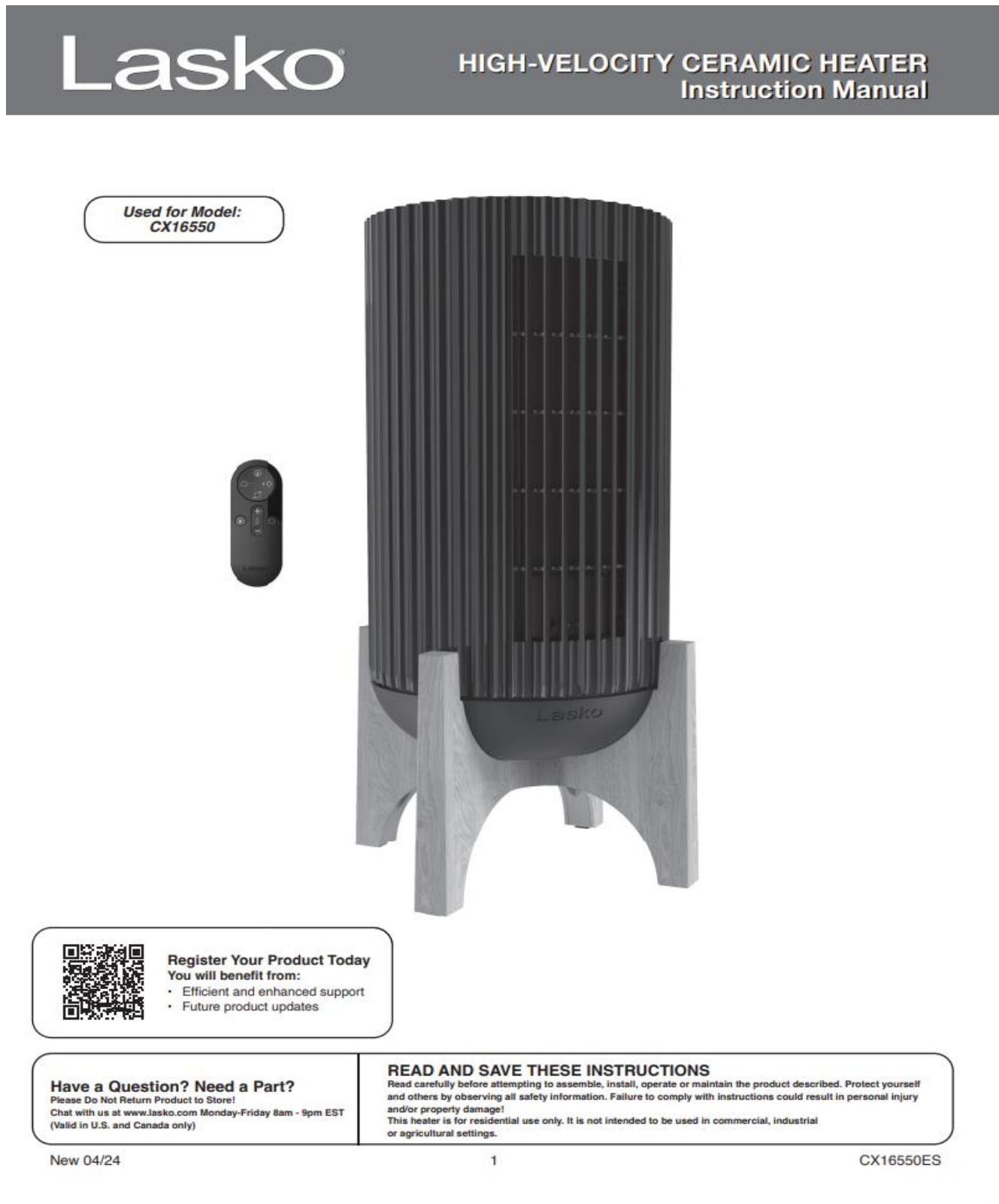


Illustration 4 - Electrical Schematic for the Topace control Board (2034075)



7.0 Illustrations

Illustration 5a - Instruction Manual for the CX16550 Electric Heater (Page 1 of 6) (Spanish Pages Removed)



7.0 Illustrations

Illustration 5b - Instruction Manual for the CX16550 Electric Heater (Page 2 of 6) (Spanish Pages Removed)



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 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.

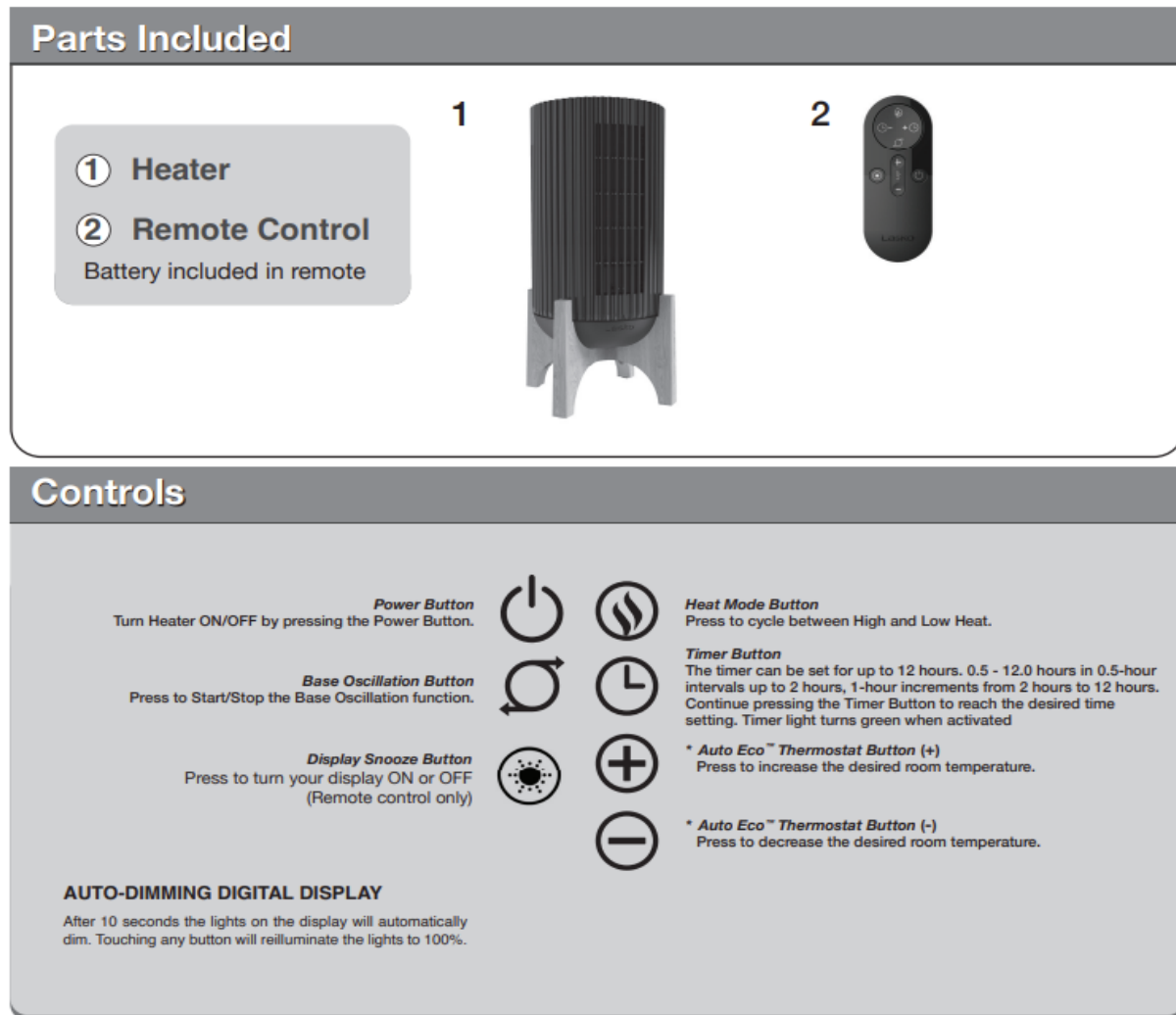
CAUTION

- 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.

SAVE THESE INSTRUCTIONS

7.0 Illustrations

Illustration 5c - Instruction Manual for the CX16550 Electric Heater (Page 3 of 6) (Spanish Pages Removed)



*AUTO ECO™ THERMOSTAT

Pressing the (+) or (-) buttons while in any Heater function or speed will turn on the Auto Eco™ function.

1. To set the room at a specific temperature press the (+) or (-) buttons to the desired temperature. The display will now reflect the Auto Eco™ symbol and the temperature will be flashing. The Unit is now in Auto Eco™ Mode.
2. When you reach the temperature at which you want to set the unit, the set temperature will flash several times and then the display will return to indicate the current room temperature and will gradually change as the room temperature changes. NOTE: the temperature display does not indicate the temperature of the heated air being emitted by the Unit.
3. Heater will run on HIGH heat when the ambient temperature is less than the set temperature.
4. Heater will run on LOW heat when ambient temperature reaches set temperature and will continue to run on LOW heat until ambient temperature reaches 2 degrees fahrenheit above set temperature.
5. Heater will turn OFF once the ambient temperature is greater than 2 degrees fahrenheit above set temperature. The fan will continue to run for 15 seconds after the heater element is turned off.

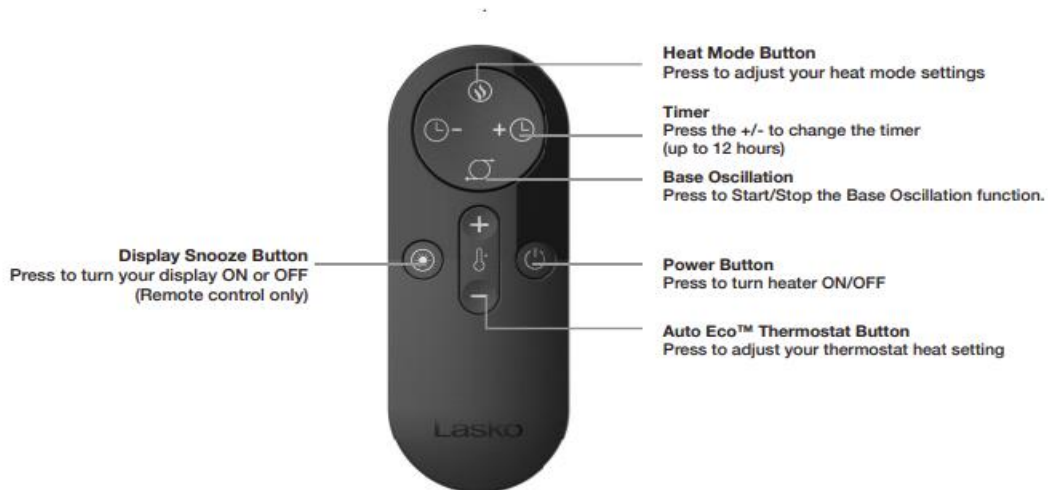
All of this happens automatically with Lasko Auto Eco™ Technology. To deactivate the Auto Eco™ function, turn the Unit off or press the heat mode button.

NOTE: In Auto Eco™, the Unit will display the current room temperature in ° Fahrenheit. Press the (+) and (-) buttons at the same time to change the display to ° Celsius. Press the same two buttons together again to change the display back to ° Fahrenheit.

7.0 Illustrations

Illustration 5d - Instruction Manual for the CX16550 Electric Heater (Page 4 of 6) (Spanish Pages Removed)

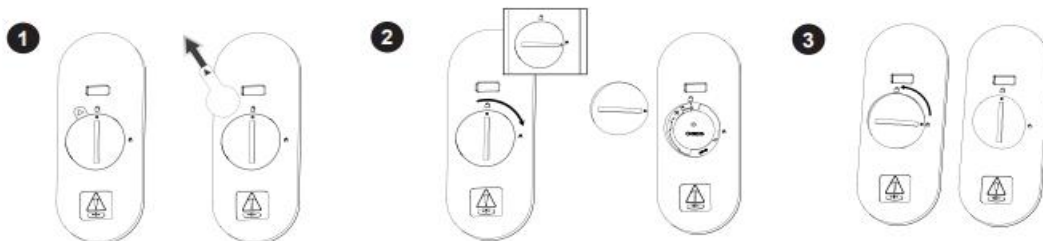
Remote Control



How To Remove The Plastic Tab From The Back Of Your Remote Control

1. Remove the plastic battery tab before using the remote. Grab and pull the tab out. (See step one below)
2. To remove the battery cover, use a coin similar to a quarter to unlock the remote control battery door. Turn clockwise to unlock.
3. To reinstall the cover, align the dot with the unlock icon on the remote. Use a coin similar to a quarter to lock the battery door. Turn counterclockwise to lock.

When your battery needs replacing. Follow steps above to remove battery cover. Replace with (1) CR2025 lithium battery.



7.0 Illustrations

Illustration 5e - Instruction Manual for the CX16550 Electric Heater (Page 5 of 6) (Spanish Pages Removed)

Note: The safety alert symbol and the signal word "WARNING" must be at least 0.2 in (5 mm) high. The remainder of the text must be in characters whose upper case must be at least 0.1 in (2.5 mm), except where otherwise specified.

⚠ WARNING	
• INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH of CHILDREN • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.	

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Uses 1 - 3V CR2025 battery.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

MAINTENANCE

- Always unplug the cord before moving, servicing or cleaning.
- Never place the heater in or near water.
- Clean the heater only with a vacuum equipped with a brush attachment; the vacuum will remove the lint and dirt from inside the heater.
- Vacuum intake grills every two weeks; this will help to maintain the optimum heater performance.
- 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.

TROUBLESHOOTING TIPS

If your heater fails to operate, see below for a list of probable causes and solutions:

- Be sure the power cord is plugged into a working electrical outlet.
- Check your temperature setting. The heater may be off because it has reached the desired temperature setting.
- If your heater runs for several minutes and shuts off repeatedly, your heater may require cleaning. See maintenance section above.

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

LUBRICATION: Motor is permanently lubricated. No maintenance is required.

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

SAFETY FEATURE

- A Tip-Over switch is built in to prevent operation if the heater is tipped over.
- A thermal overload protector is built in to prevent overheating.
- 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:

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

7.0 Illustrations

Illustration 5f - Instruction Manual for the CX16550 Electric Heater (Page 6 of 6) (Spanish Pages Removed)



WARNING

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

LASKO PRODUCTS, LLC LIMITED WARRANTY (VALID IN U.S. 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: During the warranty period, 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's 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, or unauthorized repairs made or attempted. 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:

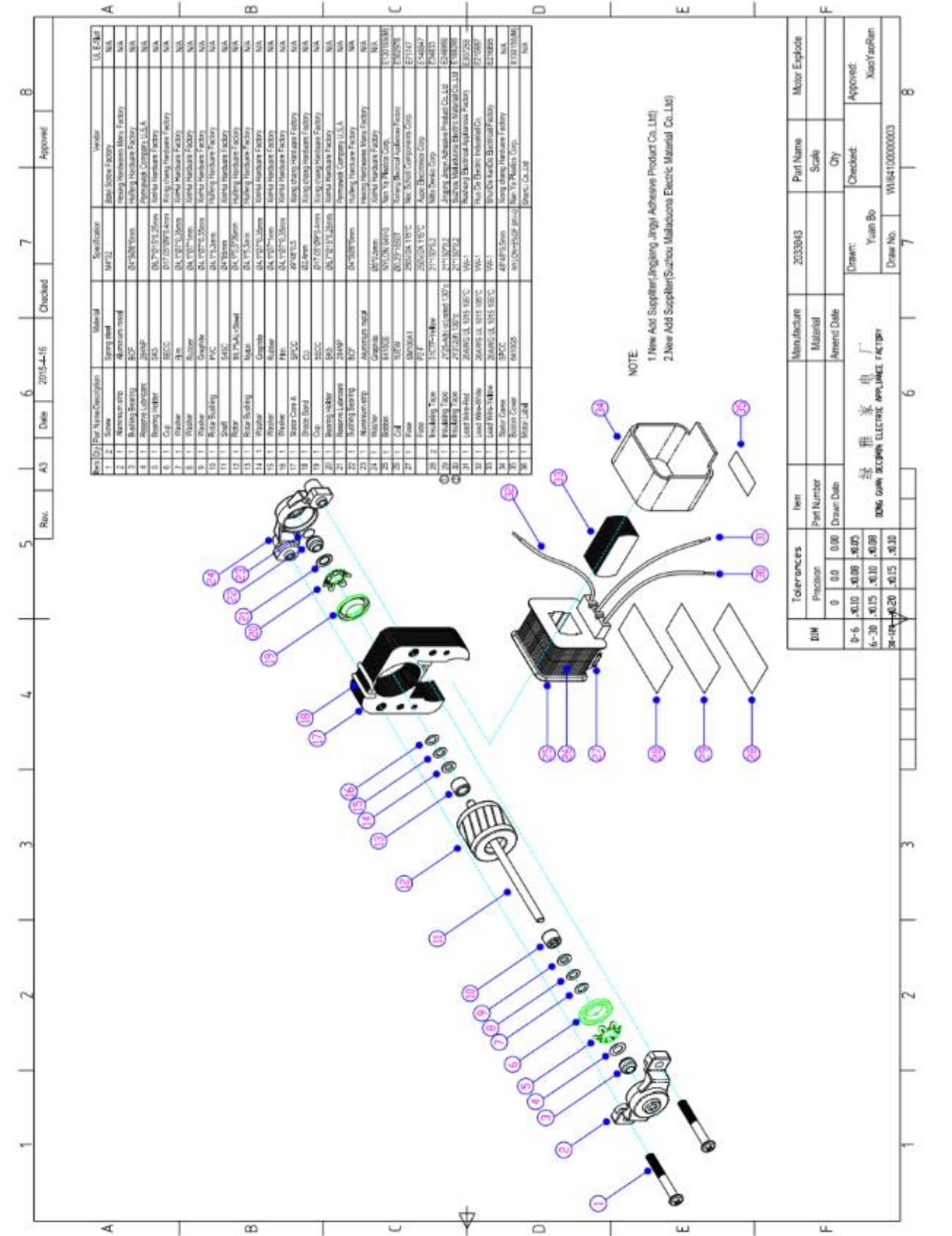
Email: producthelp@lasko.com. Web: www.lasko.com

Our Customer Service team is available to assist you with product service questions and replacement parts. Chat with us at www.lasko.com 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)

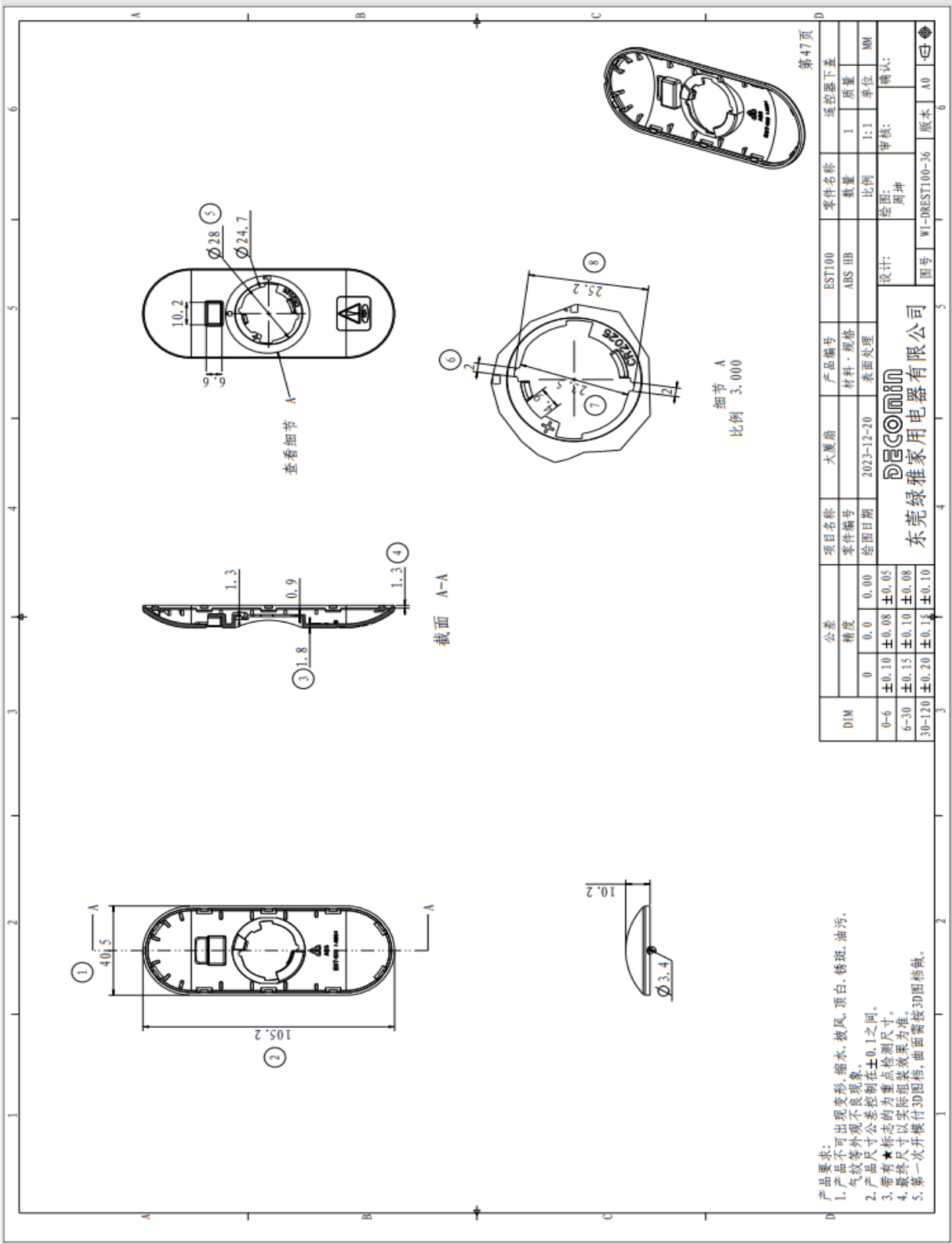
7.0 Illustrations

Illustration 6 - Motor 2033043 Assembly Diagram



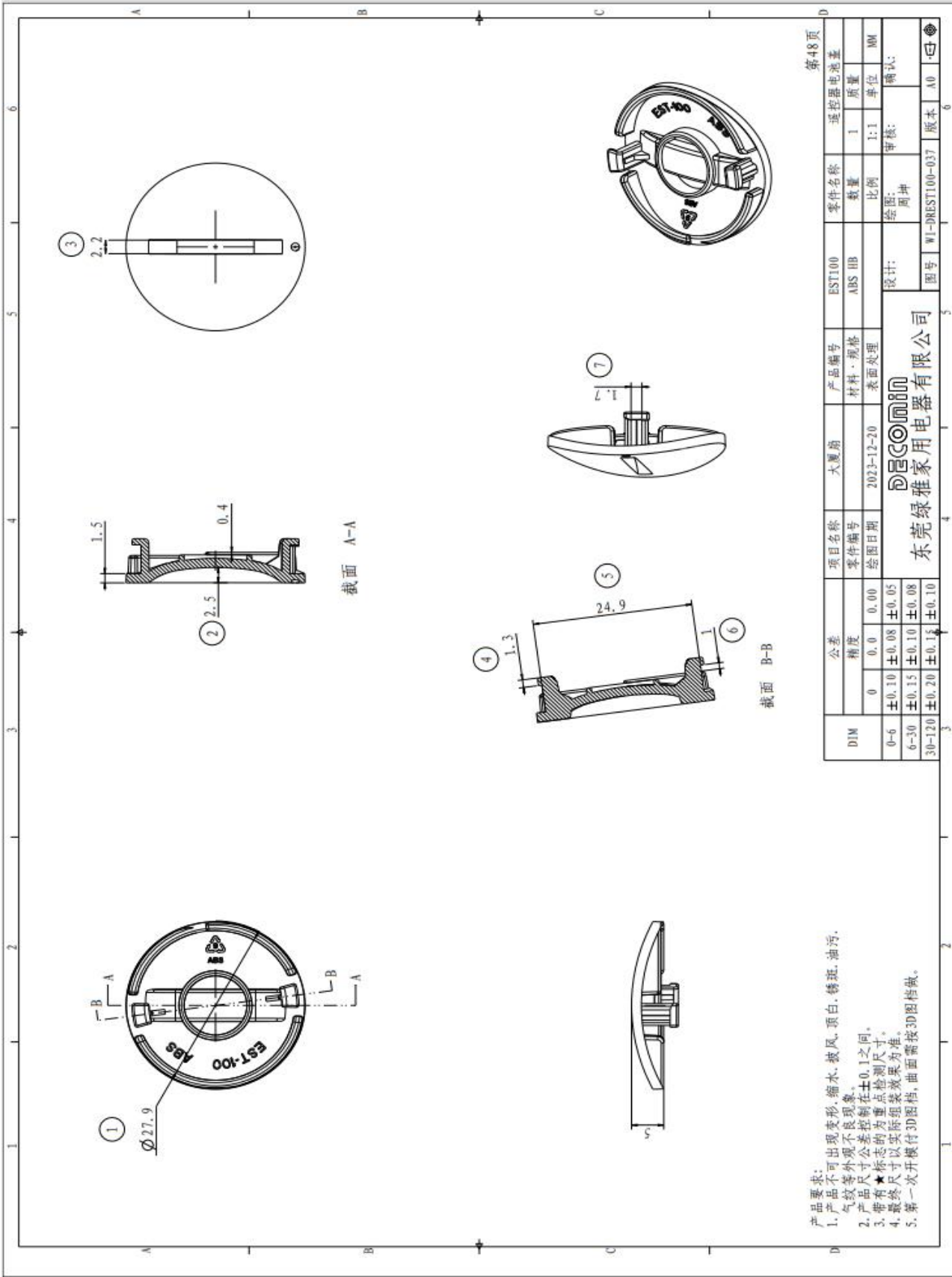
7.0 Illustrations

Illustration 7 - Risheng 0205589RS Remote Controller Assembly Diagram



7.0 Illustrations

Illustration 8 - Risheng 0205589RS Remote Controller Battery Cover



7.0 Illustrations

Illustration 9a - Required Carton Marking for units that employ coin cell batteries. Note: The principal display panel shall contain the warning label below. The icon shall be at least 7mm in width and 9mm in height. No size requirement for battery type label. See Illustration 9c for text height requirement on carton.

⚠ WARNING	
• INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.	 Requires 1 CR2025 3V Coin Cell Battery (Battery included)

Illustration 9b - Required Marking for Remote Control (S18654) Note: This icon must be at least 7 mm in width and 9 mm in height and must be on the product display panel.



Illustration 9c - Text Size Guidelines for Principle Display Panel Area

Letter Size for Warning Labels

Letter Size Measurements in Inches								
Display Area: Inches ²	0 – 2	+2 – 5	+5 – 10	+10 – 15	+15 – 30	+30 – 100	+100 – 400	+400
Signal word (WARNING)	3/64	1/16	3/32	7/64	1/8	5/32	1/4	1/2
Statement of Hazard	3/64	3/64	1/16	3/32	3/32	7/64	5/32	1/4
Other Text	1/32	3/64	1/16	1/16	5/64	3/32	7/64	5/32
Letter Size Measurements in cm (For Reference Only)								
Display Area: cm ²	0-13	+13 – 32	+32 – 65	+65 – 97	+97 – 194	+194 – 645	+645 – 2,581	+2,581
Signal word (WARNING)	0.119	0.159	0.238	0.278	0.318	0.397	0.635	1.27
Statement of Hazard	0.119	0.119	0.159	0.238	0.238	0.278	0.397	0.635
Other Text	0.079	0.119	0.159	0.159	0.198	0.238	0.278	0.397

8.0 Test Summary					
Evaluation Period	6-May-2024 Through 17-May-2024		Project No.	G105846316	
Sample Rec. Date	6-May-2024	Condition	Production	Sample ID.	1,2,3,4,5,6,7
Test Location	Lasko Products LLC, 820 Lincoln Avenue, 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.					
The following tests were performed:					
Test Description	ANSI/UL 1278 Clause		ANSI/UL 746C		
Leakge Current Test	39		--	--	
Power Input Test	38, SC6		--	--	
Normal Temepature Test	40, SC7		--	--	
Dielectric Voltage-Withstand Test	48		--	--	
Low Ambient Temperature Starting Test: Movable SC	SC8		--	--	
Abnormal Operation Test - Restricted Inlet	SC9		--	--	
Abnormal Operation Test - Overvoltage & Extreme	42.2		--	--	
Abnormal Operation Test - Stalled Fan/Stalled Motor Test	42.3		--	--	
Abnormal Operation Test - Tip-Over Test (Movable heaters)	42.4		--	--	
Abnormal Operation Test - Vertical-Wall Test (Movable Heaters)	42.5		--	--	
Abnormal Operation Test - Terry Cloth Drape Test	42.6		--	--	
Abnormal Operation Test - Terry Cloth Band Drape Test	42.7		--	--	
Insulation Resistane Test	49		--	--	
Stability of Movable Heaters Test	51		--	--	
Element Support Impact Tests - Without Accessible	52		--	--	
Impact Polymeric Materials Test	12.2		56	--	
Strain Relief Test	59		29, 61.2	--	
Push Back Strain Relief Test	16.13		29, 61.3	--	
Mold Stress Relief Distortion Test	9.4		29, 61.4	--	
Strain Relief Test Following Mold Stress Relief Distortion	59		29.1c, 61.2	--	
Evaluation Period	09-Jan-2024 to 21-Feb-2024		Project No.	G105709334	
Sample Rec. Date	8-Jan-2024	Condition	Production	Sample ID.	1,2,3
Test Location	Lasko Products LLC, 820 Lincoln Avenue, 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.					
The following tests were performed:					
Test Description	UL 4200A Clause				
Probe Test	--		--	5.3	
Pre-Conditioning	--		--	6.2	
Drop Test	--		--	6.3.2	
Impact Test	--		--	6.3.3	
Crush Test	--		--	6.3.4	
Torque Test	--		--	6.3.4A	
Tension Test	--		--	6.3.4B	
Compliance	--		--	6.3.5	

8.0 Test Summary

8.1 Signatures

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:	Cade Van Ornam	Reviewed by:	Russell Ransom
Title:	Engineer	Title:	Reviewer
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 West Chester, PA 19380-4469				
Country	USA				
Product	Electric Heater				
MULTIPLE LISTEE 1	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table border="1"> <thead> <tr> <th>MULTIPLE LISTEE 1 MODELS</th> <th>BASIC LISTEE MODELS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>		MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS		
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS				
MULTIPLE LISTEE 2	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table border="1"> <thead> <tr> <th>MULTIPLE LISTEE 2 MODELS</th> <th>BASIC LISTEE MODELS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>		MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS		
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS				
MULTIPLE LISTEE 3	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table border="1"> <thead> <tr> <th>MULTIPLE LISTEE 3 MODELS</th> <th>BASIC LISTEE MODELS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>		MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS		
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 and Tip Over 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 Over Test

Method

One hundred percent of production of the products employing a tip-over switch 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 and energized.

The product shall be tipped over and inspected to ensure the tip-over switch functions as intended.

Products Requiring Grounding Continuity Test:

All products covered by this Report.

The following changes are in compliance with the declaration of Section 8.1:

[illegible]