3M™ MINI D RIBBON (MDR) CONNECTORS, 103 SERIES

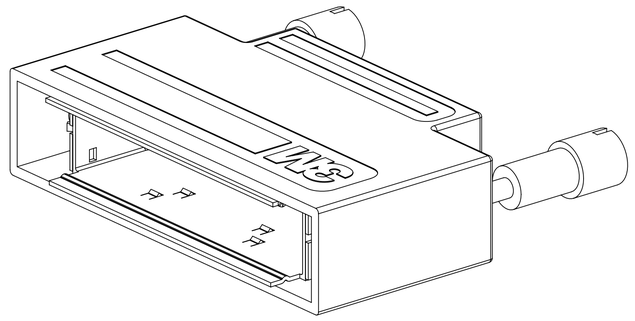
.050" PLASTIC SHIELDED JUNCTION SHELL FOR ROUND CABLE

* ROUND CABLE STRAIGHT EXIT.
* RELIABLE THUMBSCREW DESIGN.
* PLASTIC SHROUD OVER METAL EMI SHIELD.
* EXECELLENT EMI/ESD PROTECTION.
* COLORS AVAILABLES, SEE ORDERING INFORMATION.
* AVAILABLE IN 26, 50 AND 68 POSITIONS.



NOTES

1. PART NUMBER INCLUDES A CABLE CLAMP AND TWO M2.6 SCREWS. THESE PARTS ARE NOT SHOWN.
2. USE THE JACKSOCKET 3341-31 WITH THE 26 POSITION AND THE 3341-30 WITH THE 50 AND 68 POSITION FOR MOUNTING TO THE PANEL.
3. TABS ADJACENT TO DIM. "A" (SHOWN ON SHEET 2) MUST BE BROKEN OFF OR FLATTENED DURING SHELL ASSEMBLY.
4. REGULATORY INFORMATION:
   VISIT 3M.com/regs
   OR CONTACT YOUR 3M REPRESENTATIVE TO FIND THE RoHS COMPLIANCE STATUS OF THE 3M PART YOU ARE INTERESTED IN.



PHYSICAL:

OUTER SHELL:	
MATERIAL:	COPOLYESTER ELASTOMER
FLAMMABILITY:	UL94V-0
COLOR:	SEE ORDERING INFORMATION
INNER SHELL:	
MATERIAL:	STEEL .02 [0.5] THICK
PLATING:	NICKEL
MARKINGS:	
SOLDER TAILS:	3M LOGO

ORDERING INFORMATION

103XX-32J0-00X

- XX — CONTACT QUANTITY: (SEE TABLE 1)
- X — SHELL COLORS:
  0 = BEIGE
  3 = GRAY
  6 = BLACK

DIMENSIONS: INCHES [MM]
[MM] IS FOR REF. ONLY

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
D	0000507	APR 30,2026 REVISE NOTES AND MODELS	JNC	FJR
C	73708	SEP 20,2024 REVISED AND REDRAWN	JNC	FJR
B	16981	AUG 18,2008 REMOVE THUMBSCREW OPTIONS	BAC	BAC
A	----	AUG 18,2007 RELEASED	BF	BF

DESIGN REFERENCE | NEXT ASSEMBLY | ACCESS CODES

DRFT: CASTIGLIONE — DATE: SEP 19,2024 — MFG — DATE

CHKD — DATE — APPVL: F. RODRIGUEZ — DATE: SEP 20,2024

DIVISION: DO NOT SCALE DRAWING

DIVISION CODE: EMSD

TOLERANCES EXCEPT AS NOTED:
INCHES
.0 ±.1
.00 ±.01
.000 ±.005
.0000 ±.0002
MILLIMETERS
0 ±
.0 ±
.00 ±
.000 ±
ANGLES ±

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 2018

MAX SURFACE ROUGHNESS: ☐ ALL SURFACES ☐ MARKED ONLY

3M Center, St. Paul, MN 55144

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TITLE: MDR CONN, .050", PLASTIC SHIELDED JCT SHELL, RD CABLE

CAGE NUMBER | SIZE: D | DRAWING NO.: 78-5100-0535-4 | REV.: D

MODEL: 103 | DET. LISTS ☐ YES ☒ NO | SHT 1 OF 3

78-5100-0535-4 DRAWING NUMBER | D REVISION

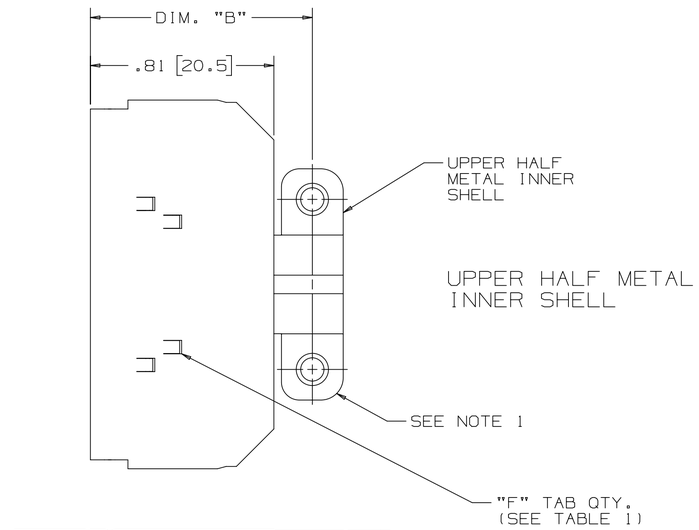
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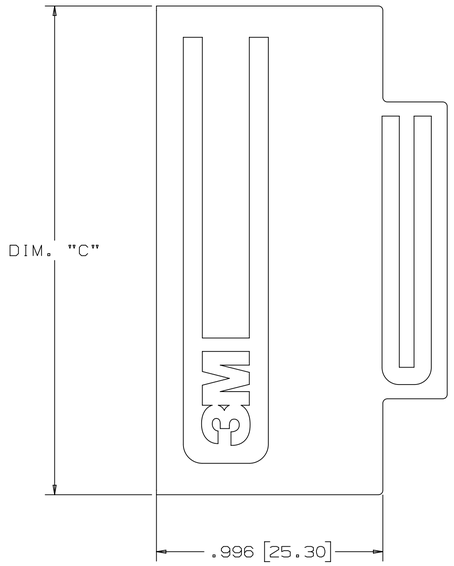
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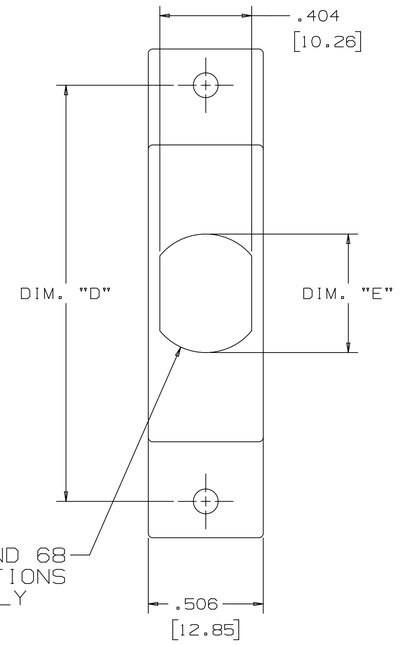
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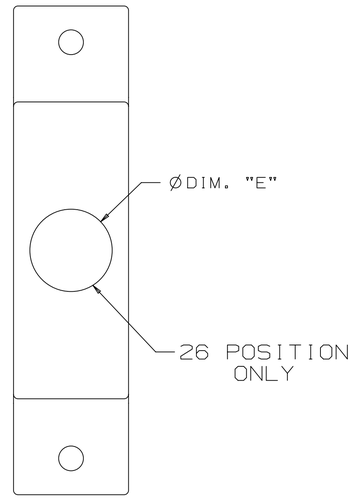
TABLE 1							
CONTACT QTY.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "E" SHAPE	"F" TAB QTY.
26	1.06 [27.0]	1.15 [29.3]	1.55 [39.7]	1.23 [31.27]	.36 [9.2]	ROUND HOLE	3
50	1.66 [42.2]	.98 [24.8]	2.15 [54.6]	1.83 [46.5]	.52 [13.2]	SLOT	4
68	2.11 [53.6]	.98 [24.8]	2.60 [66.0]	2.28 [57.9]	.52 [13.2]	SLOT	4

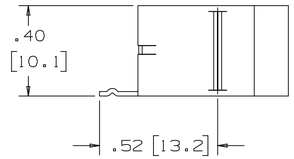


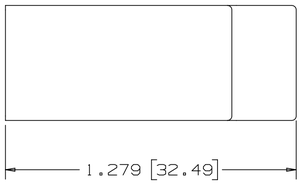
UPPER HALF METAL INNER SHELL



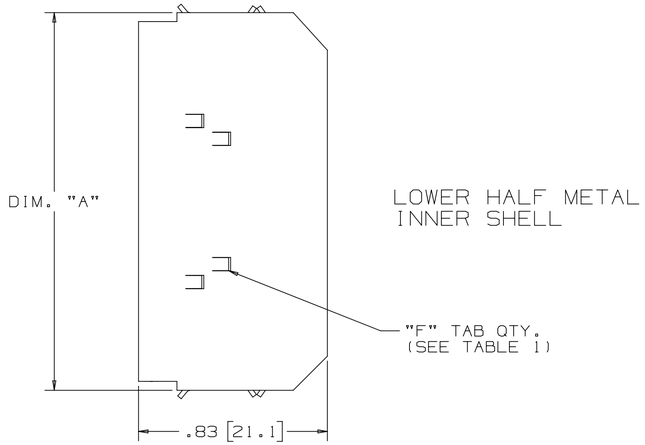




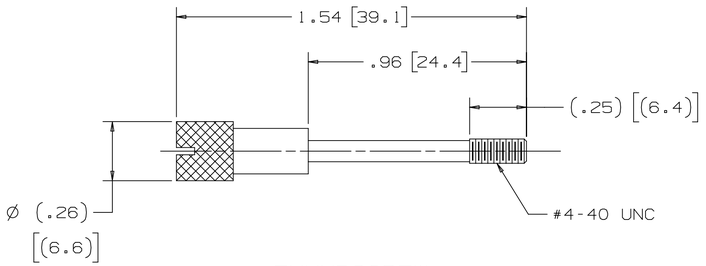




PLASTIC OUTER SHELL



LOWER HALF METAL INNER SHELL



THUMBSCREW

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SCALE
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.00 ±.01
.000 ±.005
.0000 ±.0002
THIRD ANGLE PROJECTION
INTERPRET PER ASME Y14.5 - 2018
MILLIMETERS
0 ±
.0 ±
.00 ±
.000 ±
MAX SURFACE ROUGHNESS
☐ ALL SURFACES
☐ MARKED ONLY
ANGLES ±

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CAGE NUMBER | SIZE: D | DRAWING NO.: 78-5100-0535-4 | REV.: D
MODEL: 103
DET LISTS ☐ YES ☒ NO | SHT 2 OF 3

78-5100-0535-4 DRAWING NUMBER | D REVISION

3M™ MINI D RIBBON (MDR) CONNECTORS, 103 SERIES

.050" PLASTIC SHIELDED JUNCTION SHELL FOR ROUND CABLE

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.0 ±
.00 ±
.000 ±

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