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

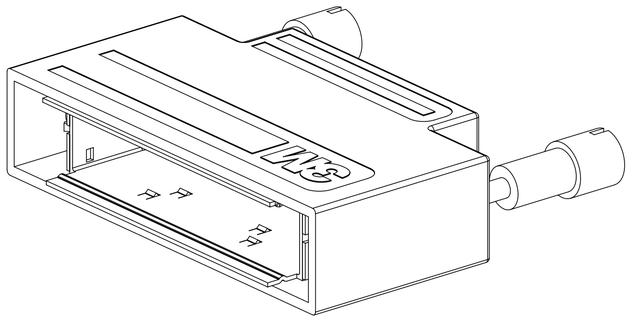
.050" PLASTIC SHIELDED JUNCTION SHELL FOR ROUND CABLE, STRAIGHT EXIT

* RELIABLE THUMBSCREW DESIGN.
* PLASTIC SHROUD OVER METAL EMI SHIELD.
* EXECELLENT EMI/ESD PROTECTION.
* AVAILABLE IN 26, 50 AND 68 POSITIONS.



NOTES

1. REGULATORY INFORMATION: VISIT 3M.com/regs
2. USE 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.



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

CONTACT QUANTITY: (SEE TABLE 1)

SHELL COLORS:
0 = BEIGE
3 = GRAY
6 = BLACK

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

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
E	3072	OCT 15,2026 REVISE DWG AND VIEWS	JNC	FJR
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 | SCALE

DIVISION CODE: TEBG

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.: E

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

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

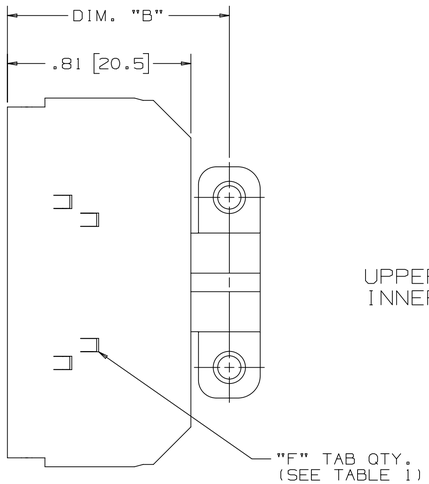
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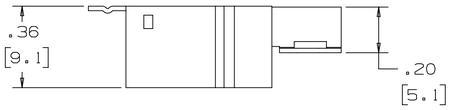
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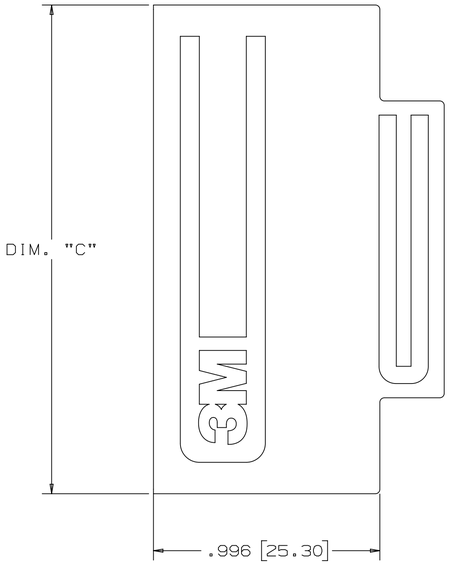
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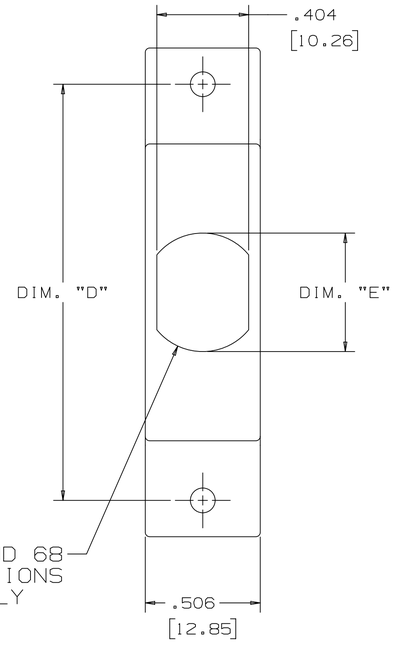
TABLE 1							
CONTACT QTY.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "E" SHAPE	"F" TAB QTY.
26	1.06 [27.0]	1.15 [29.3]	1.55 [39.7]	1.23 [31.27]	.36 [9.2]	ROUND HOLE	3
50	1.66 [42.2]	.98 [24.8]	2.15 [54.6]	1.83 [46.5]	.52 [13.2]	SLOT	4
68	2.11 [53.6]	.98 [24.8]	2.60 [66.0]	2.28 [57.9]	.52 [13.2]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

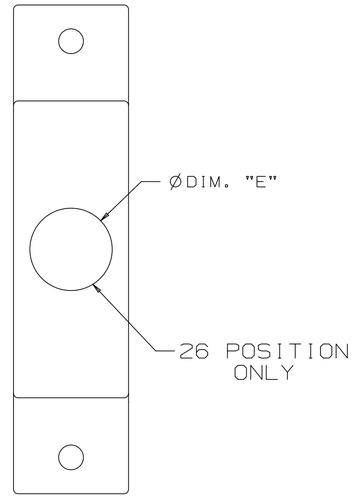


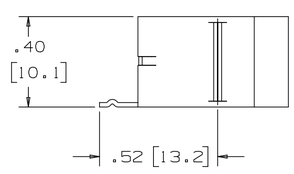
UPPER HALF METAL
INNER SHELL

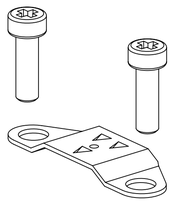




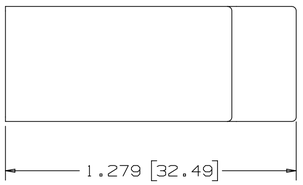




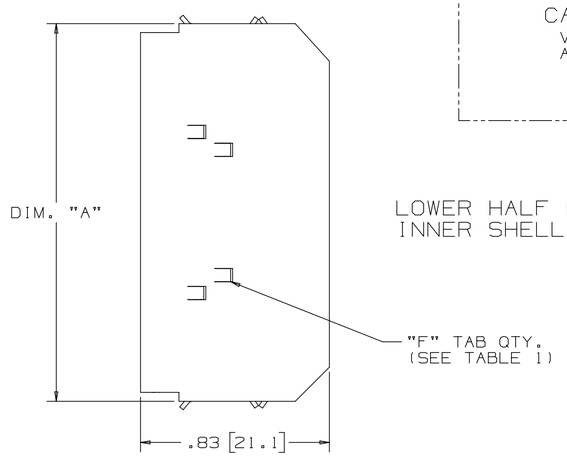




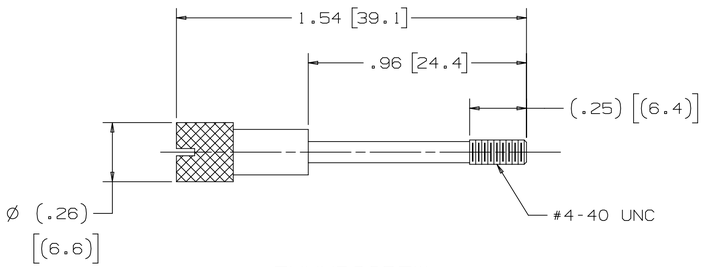
CABLE CLAMP AND SCREWS
VISUAL REPRESENTSTION ONLY;
ACTUAL COMPONENTS MAY VARY



PLASTIC OUTER SHELL



LOWER HALF METAL
INNER SHELL



THUMBSCREW

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DIVISION | DIVISION CODE TEBG
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THIRD ANGLE PROJECTION
INTERPRET PER ASME Y14.5 - 2018
MAX SURFACE ROUGHNESS ☐ ALL SURFACES ☐ MARKED ONLY
TOLERANCES EXCEPT AS NOTED
INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002
MILLIMETERS 0 ± .0 ± .00 ± .000 ±
ANGLES ±

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

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

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

.050" PLASTIC SHIELDED JUNCTION SHELL FOR ROUND CABLE, STRAIGHT EXIT

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ANGLES ±

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