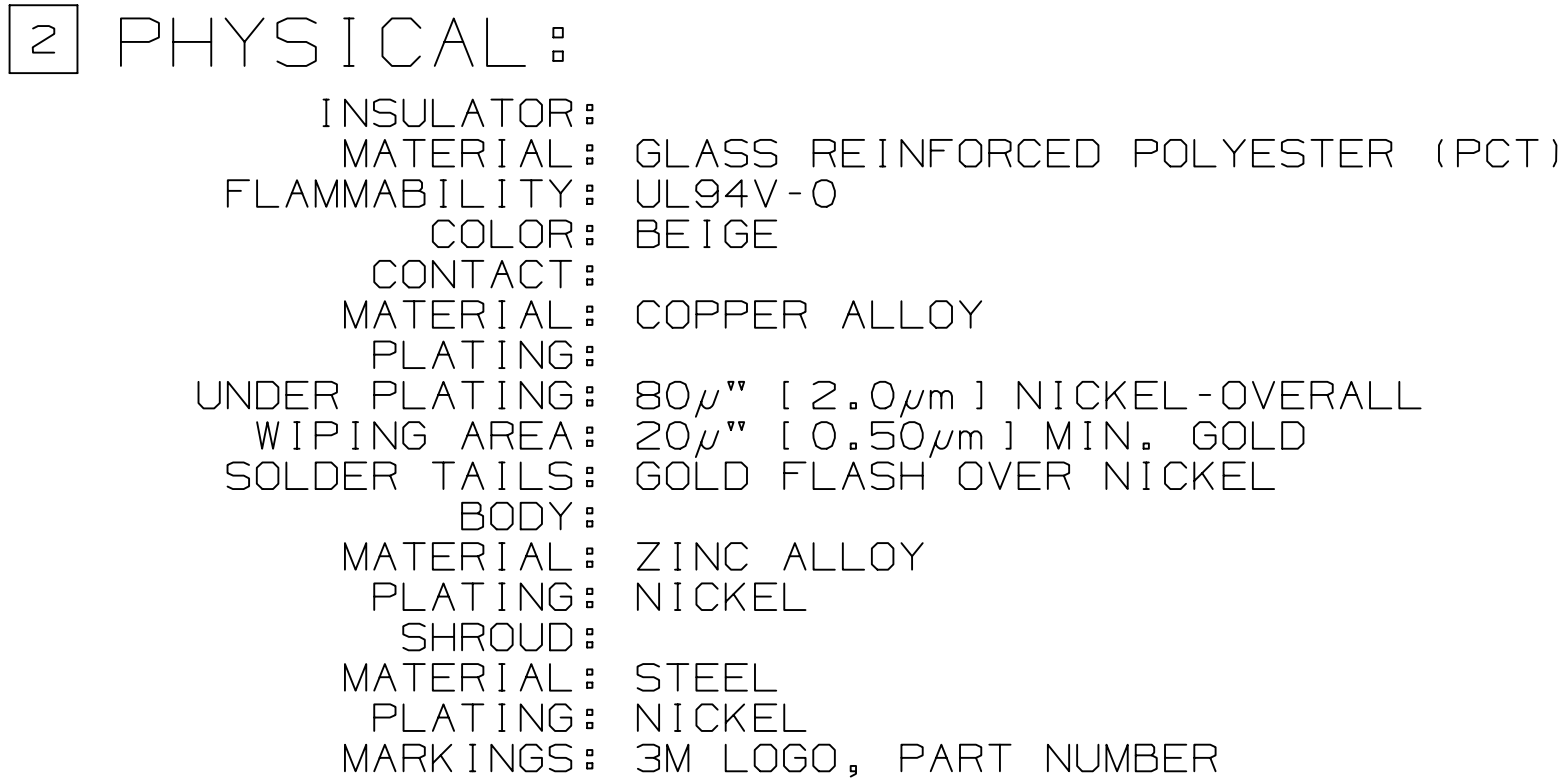


- * WIPER-ON-WIPER CONTACT FOR RELIABLE REPETITIVE PLUGGING.
- * INTERFACE LATCH DESIGN FOR CONNECTION STABILITY.
- * IEEE 1284C INTERFACE AS A 36 CONTACT CONNECTOR.
- * CONTACTS: 20, 26 AND 36.



CURRENT RATING: 1A.
INSULATION RESISTANCE: $>5 \times 10^8 \Omega$ AT 500 V_{DC}
WITHSTANDING VOLTAGE: 500V_{RMS} FOR 1 MINUTE

TEMPERATURE RATING: -55° C TO +105°
PROCESS RATING: 260° C, (PROFILE PER J-STD-020C)

POS.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
20	1.315 [33.40]	.879 [22.32]	1.081 [27.45]	.65 [16.41]	.450 [11.43]
26	1.465 [37.21]	1.029 [26.13]	1.231 [31.26]	.80 [20.22]	.600 [15.24]
36	1.715 [43.56]	1.279 [32.48]	1.481 [37.61]	1.05 [26.57]	.850 [21.59]

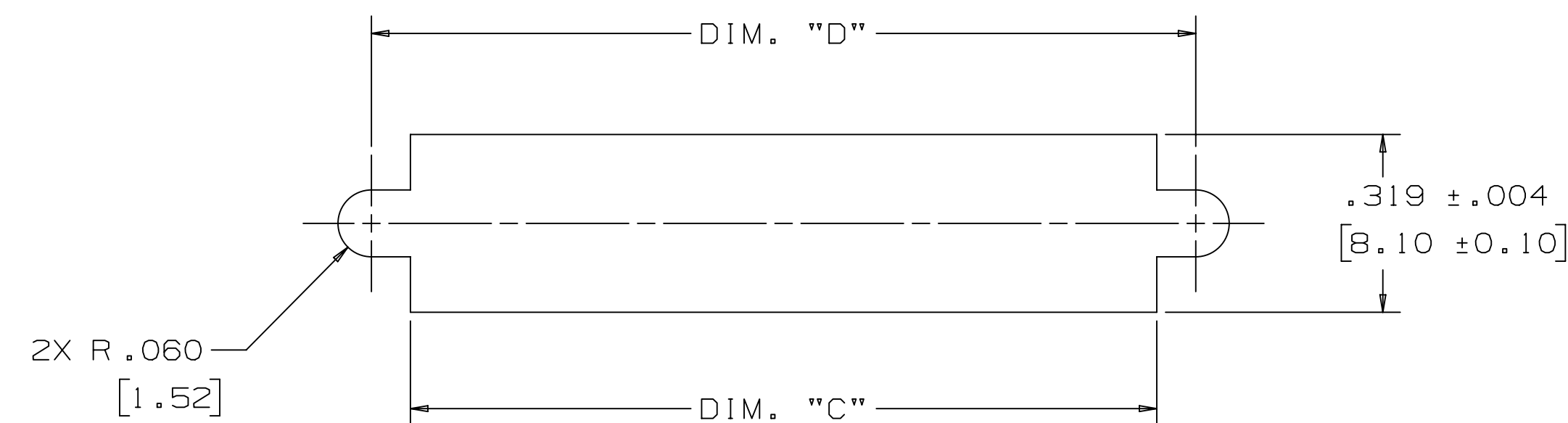
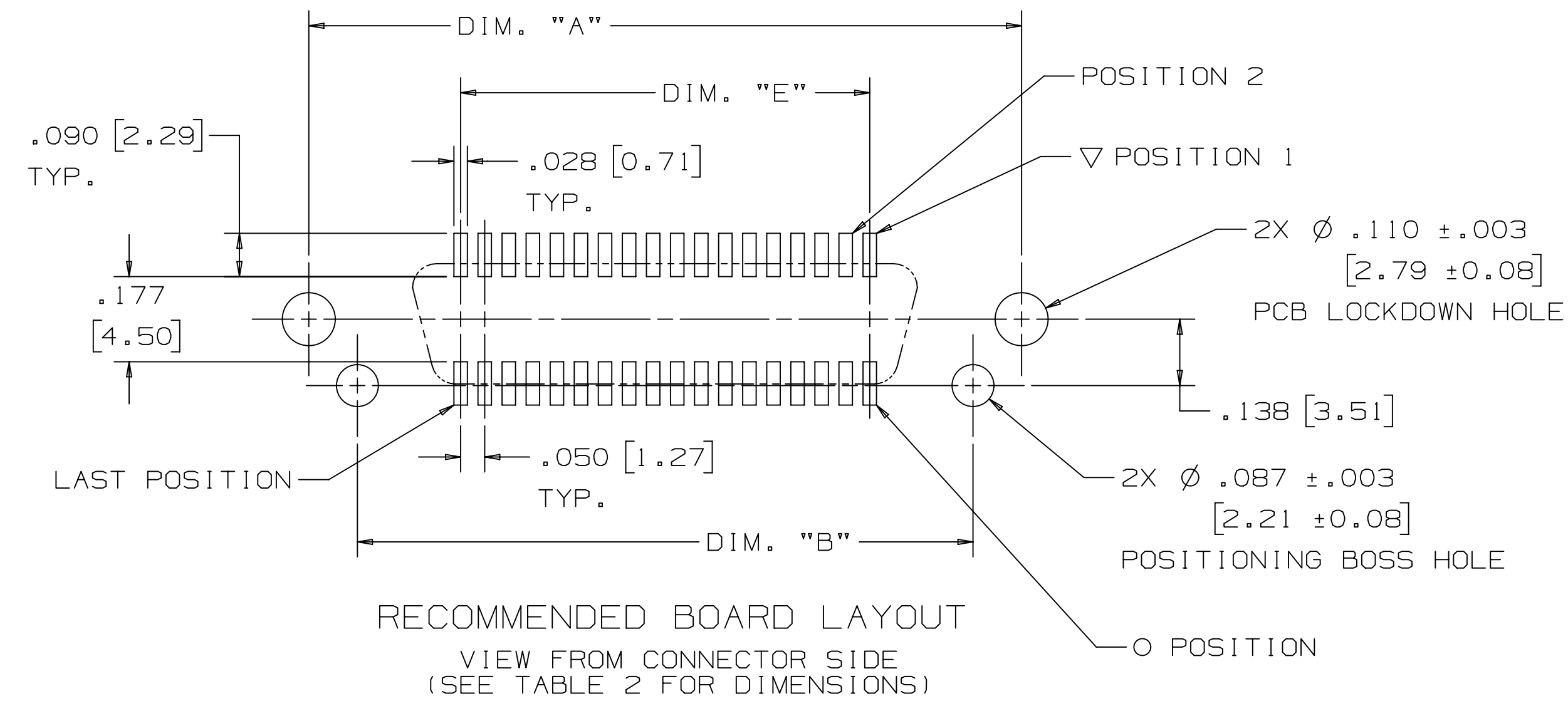
CONTACT QUANTITY: ☐ PANEL / BOARD RETENTION FEATURE:
(SEE TABLE 1) 0 = M2.6 (SPECIAL ORDER)
1 = M2.5 (STANDARD - SEE NOTE3)

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NOTES	
1.	REGULATORY INFORMATION: VISIT 3M.com/regs
2	IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
3	WHEN USING THE 3M™ 3341-31 JACKSOCKET AND 3M™ CAMERA LINK CABLE ASSEMBLY, THE 3M CONNECTOR PART NUMBER IS 10226-2210PE.

C	109418	MAR 21, 2023		JNC	FJR
REVISED AND REDRAWN					
B	16870	DEC 13, 2007		DFC	
UPDATED TS					
A	AT2128	APR 24, 2007		ARM	
RELEASED INTO PLM					
REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DFT CATT FLOWLINE		DATE MAR 21, 2023	MFG	DATE	
CHGD		DATE	APPRV. F. RODRIGUEZ	DATE MAR 21, 2023	
 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2025 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
TITLE					
MINI D RIBBON (MDR) CONN, SMT NOT REPRODUCIBLE RECEPTACLE - SHIELDED					
CAGE NUMBER	SIZE	DRAWING NO.			REV.
	D	78-5100-638-6			C
MODEL	102	DET. LISTS		☐ YES ☒ NO	
		SHT		1 OF 3	

3M™ MINI D RIBBON (MDR) CONNECTORS, 102 SERIES



RECOMMENDED PANEL CUT-OUT
(SEE TABLE 2 FOR DIMENSIONS)
NOTE: 1) PANEL THICKNESS .079 [2.00] MAX.

POS.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
20	1.081 [27.45]	.879 [22.32]	.94 [23.80]	1.08 [27.45]	.450 [11.43]
26	1.231 [31.26]	1.029 [26.13]	1.09 [27.61]	1.23 [31.26]	.600 [15.24]
36	1.481 [37.61]	1.279 [32.48]	1.34 [33.96]	1.48 [37.61]	.850 [21.59]

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C	109418	MAR 21, 2023	JNC	FJR
B	16870	DEC 13, 2007	DFC	
A	AT1218	APR 24, 2007	ARM	
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CASTIGLIONE	MAR 21, 2023	DATE	
CHKD		APPROV. RODRIGUEZ	DATE	MAR 21, 2023

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACROSS CODES				DRFT	CASTIGLIONE		DATE	DATE	DATE
				CHKD			DATE	DATE	DATE
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2025 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
DO NOT SCALE DRAWING		SCALE		 3M Center St. Paul, MN 55144					
		TOLERANCES EXCEPT AS NOTED		TITLE MINI D RIBBON (MDR) CONN, SMT VERTICAL RECEPTACLE - SHIELDED					
 THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2018		INCHES .00 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0005		MILLIMETERS 0 ± .0 ± .000 ±					
MAX SURFACE ROUGHNESS  ALL SURFACES ☒ BACK ONLY		ANGLES ±		CASE NUMBER D 78-5100-0638-6		SIZE DRAWING NO.		REV. C	
				MODEL 102		DET. LISTS ☐ YES ☒ NO		SHT 2 OF 2	

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3M™ MINI D RIBBON (MDR) CONNECTORS, 102 SERIES

.050" SURFACE MOUNT VERTICAL RECEPTACLE - SHIELDED

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DESIGN REFERENCE

NEXT ASSEMBLY

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

MAX. SURFACE ROUGHNESS
ALL SURFACES
MARKED ONLY

SCALE

TOLERANCES EXCEPT AS NOTED

INCHES
±.1
±.01
±.005
±.0005

MILLIMETERS
0 ±
0 ±
0.00 ±
0.00 ±

3M

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St. Paul,
MN 55144

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TITLE

MINI D RIBBON (MDR)
CONN, SMT VERTICAL
RECEPTACLE - SHIELDED

CAGE NUMBER

SIZE

DRAWING NO.

REV.

D

78-5100-0638-6

C

MODEL

102

DET

LISTS

YES

NO

SHT 3 OF 3

Revision

78-5100-0638-6

Drawing Number