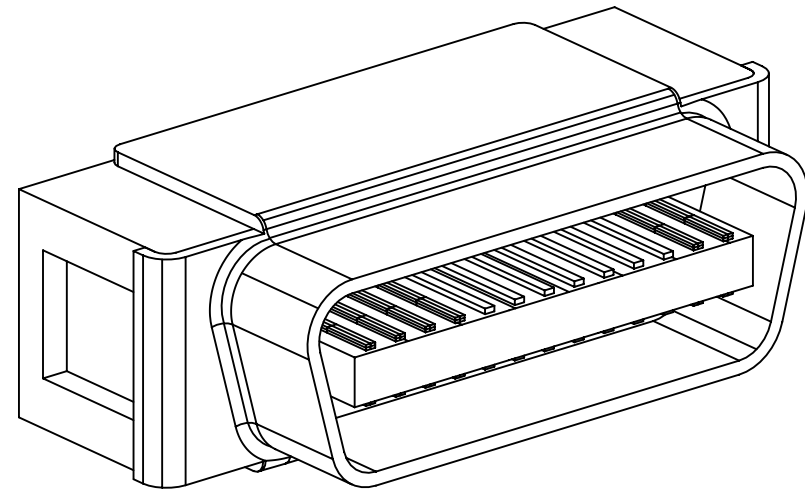


3M™ MINI D RIBBON (MDR) CONNECTORS, 101 SERIES

.050" STRADDLEMOUNT PLUG - SHIELDED



101XX-900APX
PLUG

2 PHYSICAL :

```
INSULATION MATERIAL:
    BODY: GLASS REINFORCED POLYESTER (PBT)
    INSERT MOLD: GLASS REINFORCED POLYESTER (LCP)
    FLAMMABILITY: UL94V-0
    COLOR: BLACK
CONTACT MATERIAL: COPPER ALLOY
    PLATING:
        UNDER PLATING: 80μ" [2.0μm] NICKEL-OVERALL
        WIPING AREA: SEE ORDERING INFORMATION
        SOLDER TAILS: GOLD FLASH OVER NICKEL (RIA E1 & C1 APPLY)
    BODY MATERIAL: ZINC ALLOY
        PLATING: NICKEL
SHROUD MATERIAL: STEEL
    PLATING: NICKEL
    MARKINGS: 3M LOGO AND PART NUMBER
```

2 ELECTRICAL :

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

2 ENVIRONMENTAL :

TEMPERATURE RATING: -20° C TO 85° C

ORDERING INFORMATION

101 XX - 900 APX

CONTACT QTY: -
(SEE TABLE 1)
NOTE: AO=100

- WIPING CONTACT PLATING:
L = $8\mu''$ [0.2 μ m] MIN. GOLD (RIA E1 & C1 APPLY)
C = $30\mu''$ [0.76 μ m] MIN. GOLD (RIA E1 & C1 APPLY)

COMPATIBLE BOARD THICKNESS:
A = 1.0MM STANDARD
(O = 1.6MM SPECIAL ORDER)

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

DESIGN REFERENCE		NEXT	ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACROSS CODES				DRFT	CASTIGLIONE	DATE	JUL 07,2015	MFG	DATE
				CHKD		DATE		APPRV	DATE
								D. CRONCH	JUL 07,2015
DIVISION			DIVISION CODE						
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		 3M Center St. Paul, MN 55144 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.			
 THIRD ANGLE PROJECTION		INCHES .0 .00 .000 .0000 .00002 .00002		MILLIMETERS 0 .2 .0 .00 .000 .0005 .0005		TITLE MINI D RIBBON (MDR) CONNECTOR, .050" STRADDLEMOUNT PLUG			
INTERPRET PER ASME Y14.5 - 2018		☒ MAX SURFACE ROUGHNESS ☐ ALL SURFACES ☐ MARKED ONLY		MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		CASE NUMBER SIZE D78-5100-0698-0		REV. F	
		MODEL 101XX		DET. LISTS ☐ YES ☒ NO		SHT 1 OF 4			

3M™ MINI D RIBBON (MDR) CONNECTORS, 101 SERIES
.050" STRADDLEMOUNT PLUG - SHIELDED

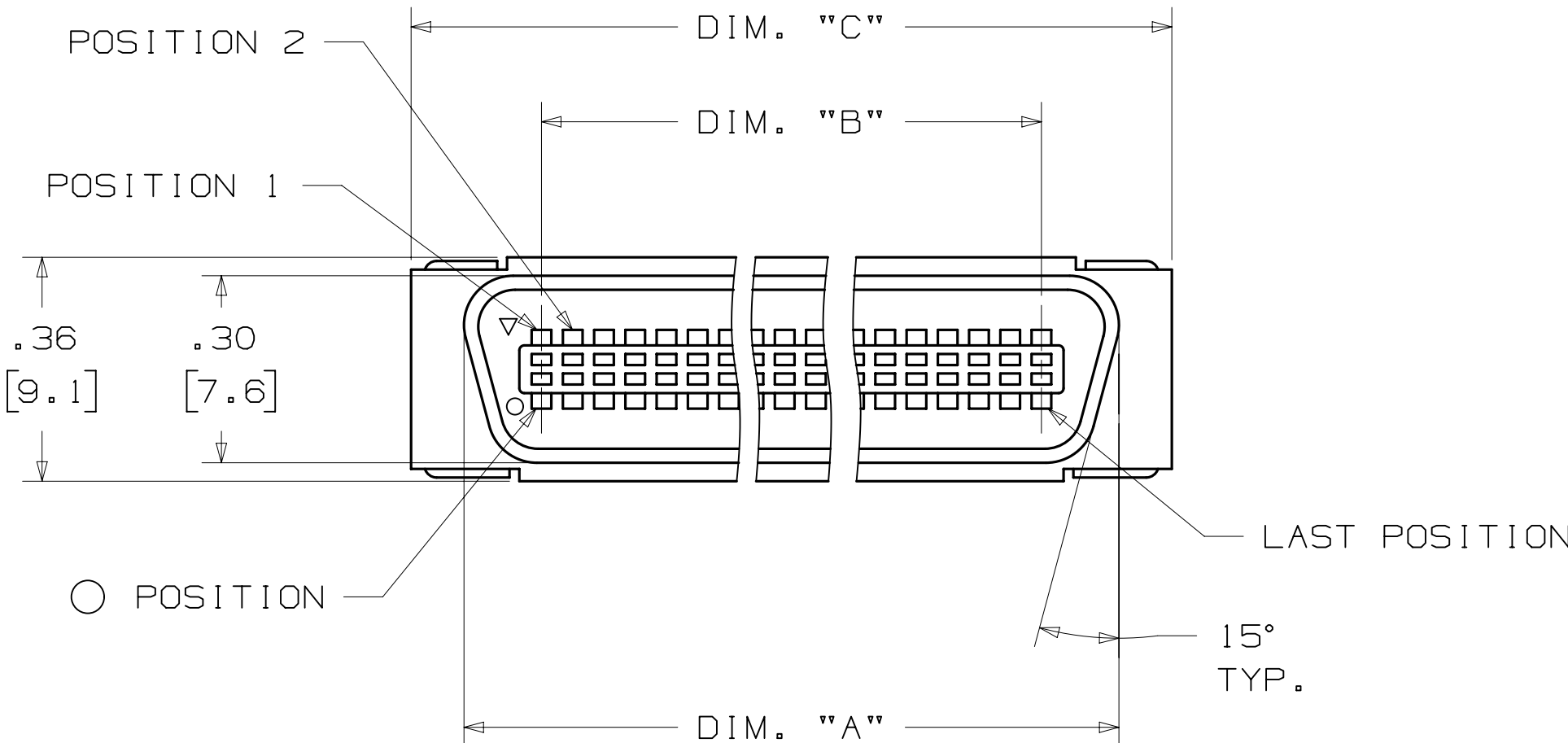
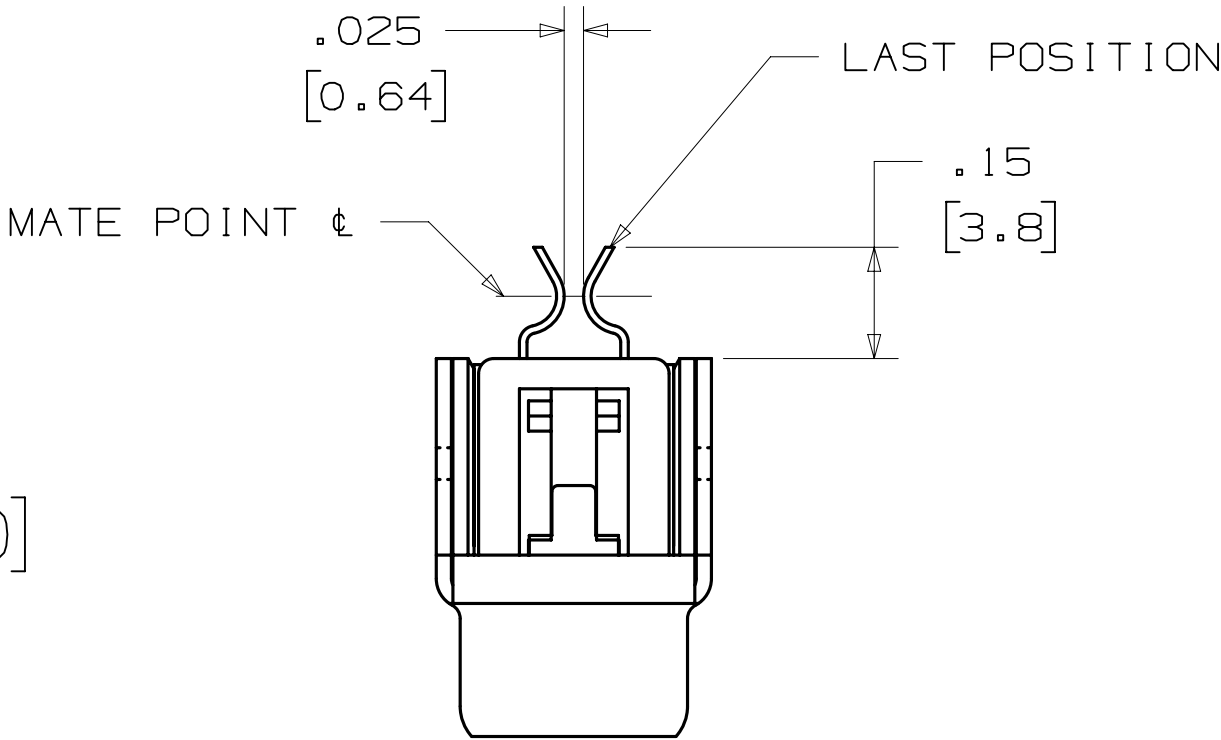
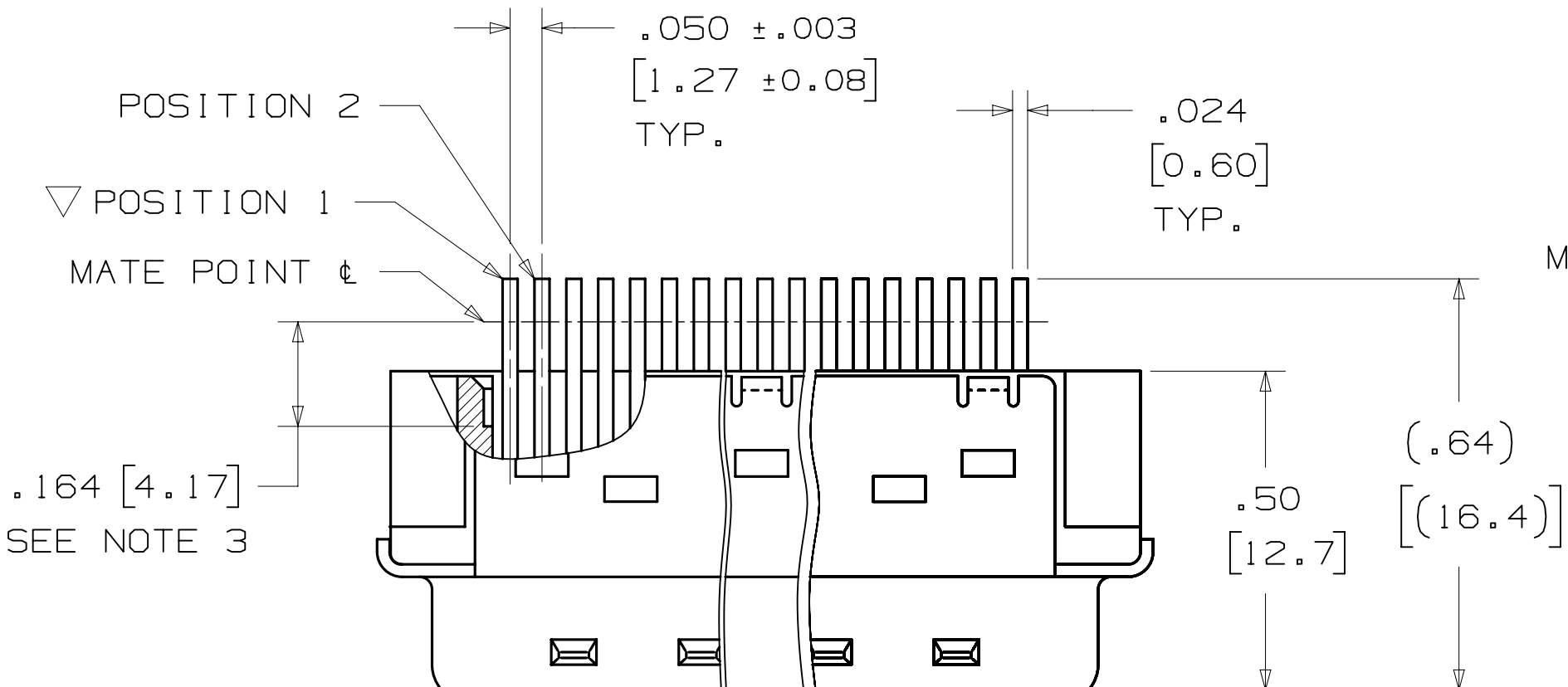
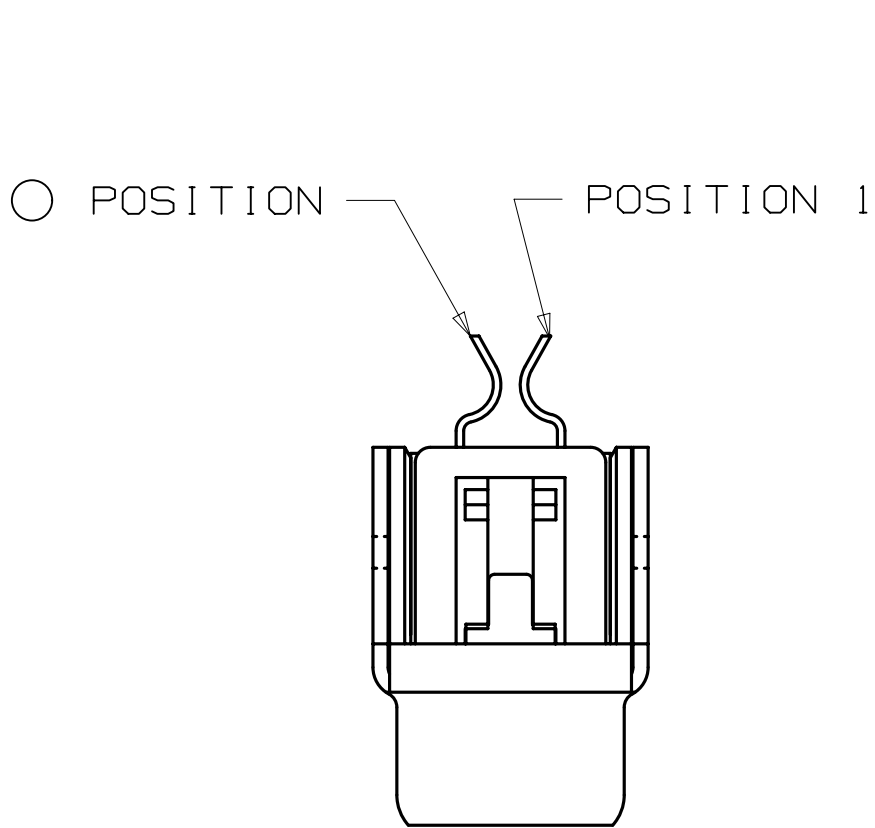
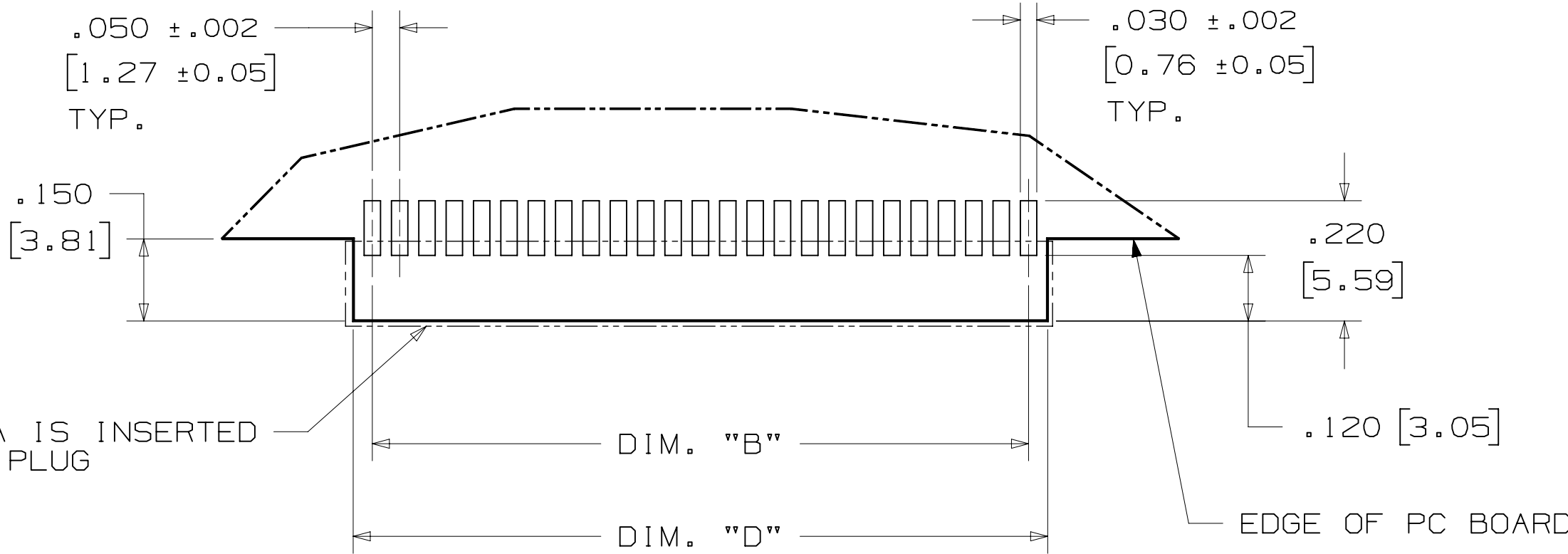


TABLE 1				
POSITIONS	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"
26	.84 [21.4]	.60 [15.2]	1.02 [25.8]	.68 [17.2]
50	1.44 [36.6]	1.20 [30.5]	1.62 [41.1]	1.27 [32.3]
68	1.89 [48.1]	1.65 [41.9]	2.07 [52.5]	1.72 [43.7]
100	2.66 [67.5]	2.45 [62.2]	2.87 [72.8]	2.52 [64.0]



THIS AREA IS INSERTED INTO THE PLUG

RECOMMENDED PAD LAYOUT
(SOLDER PAD PATTERN REPEATED ON BOTH SIDES OF BOARD)

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F	114445	FEB 12,2024 REVISED MATERIAL	JNC	FJR
E	95427	FEB 11,2021 REVISE 68P DIM C	JNC	FJR
D	28356	FEB 20,2017 2-20-17 ADD 3M NOTE TO SHT2 7-7-15 REVISED & REDRAWN, 7-15-16 REVISED PCB LAYOUT	JNC	DC

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRP	CASTIGLIONE	DATE	JUL 07,2015	MFG	DATE
DIVISION		DIVISION CODE		CHKD		DATE		APPRV	DATE
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MAX SURFACE ROUGHNESS						TITLE			
SURFACES						MINI D RIBBON (MDR) CONNECTOR, .050" STRADDLEMOUNT PLUG			
MARKED ONLY						CAGE NUMBER			
						D 78-5100-0698-0			
						MODEL			
						101XX			
						REV.			
						F			
						SHT 2 OF 3			

3M™ MINI D RIBBON (MDR) CONNECTORS, 101 SERIES
.050" STRADDLEMOUNT PLUG - SHIELDED

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			B. CRONCH	JUL 07,2015	
DIVISION	DIVISION CODE				
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MARKED ONLY		ANGLES		TITLE	
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		CAGE NUMBER	SIZE	DRAWING NO.	REV.
		D		78-5100-0698-0	F
		MODEL	101XX	DET	LISTS
				YES	NO
				SHT	3 OF 3