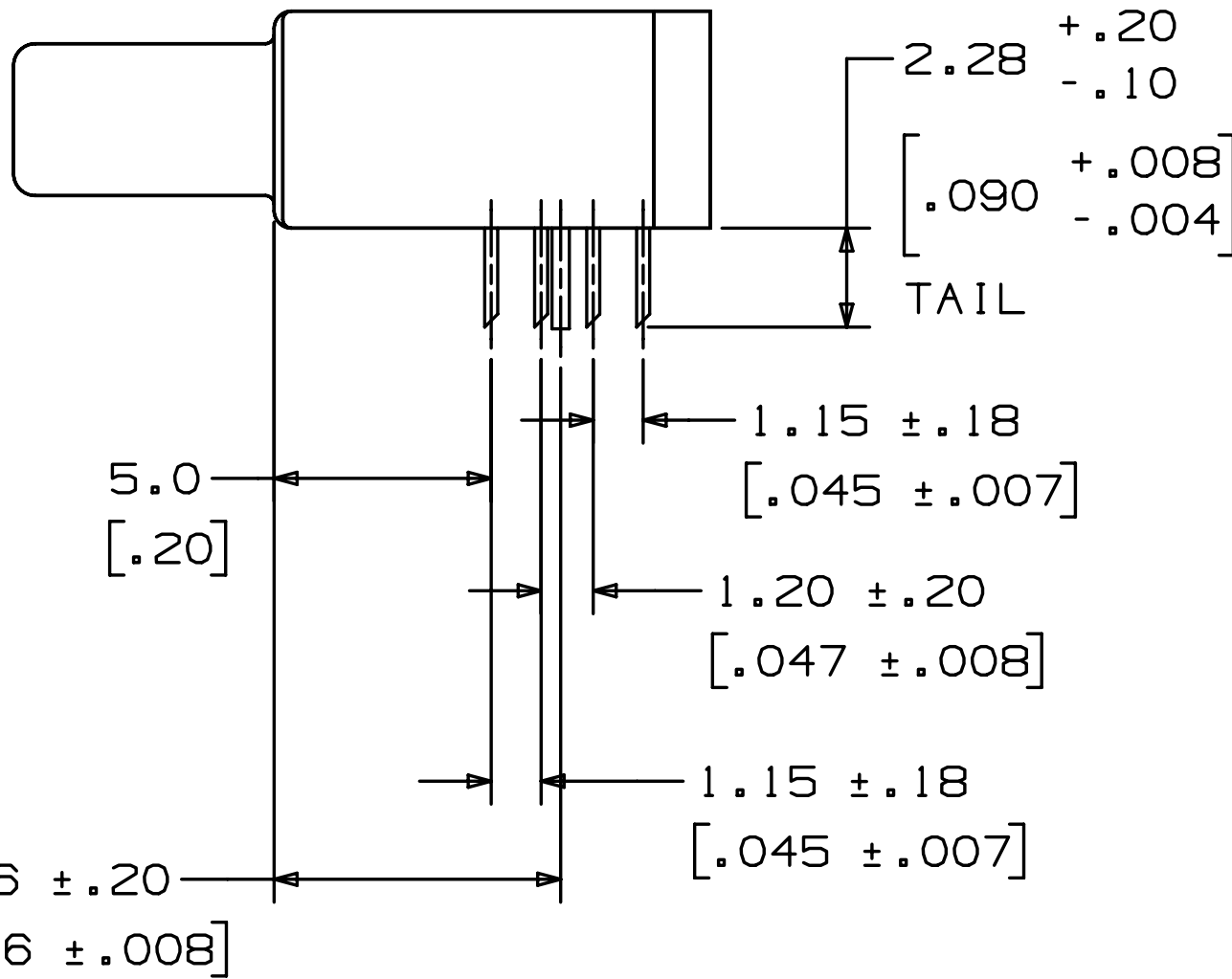
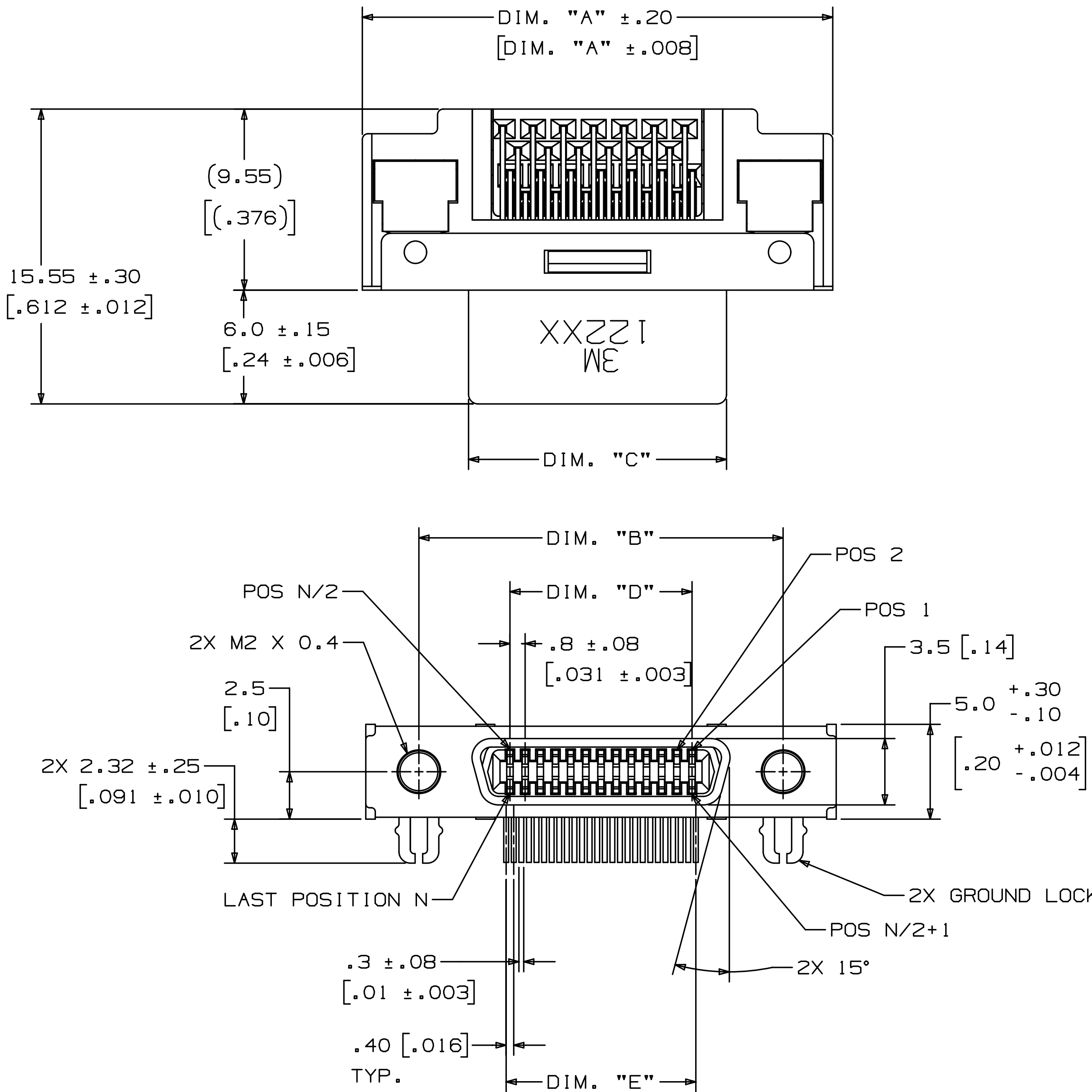


3M™ Shrunk Delta Ribbon (SDR) Connectors, 122 Series
.80 mm Through-Hole, Right Angle Receptacle, Shielded



POSITION	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
14	20.0 [.79]	14.4 [.57]	8.8 [.35]	4.8 [.19]	5.2 [.20]
26	24.8 [.98]	19.2 [.76]	13.6 [.54]	9.6 [.38]	10.0 [.39]
50	34.4 [1.35]	28.8 [1.13]	23.2 [.91]	19.2 [.76]	19.6 [.77]

CONNECTOR DIMENSION TABLE
TABLE 1

1. MATERIAL:
INSULATION: HIGH TEMPERATURE NYLON
COLOR: BLACK, UL94V-0

CONTACT: COPPER ALLOY
PLATING:
UNDERPLATE: 2µm [80µ"] NICKEL
WIPING AREA: .76µm [30µ"] GOLD
TERMINATION AREA: GOLD FLASH OVER NICKEL

SHROUD & LATCH HOOK: STEEL
PLATING: NICKEL

GROUND LOCK: COPPER ALLOY
PLATING: SEMI-BRIGHT TIN OVER NICKEL

LOCK SCREW: STEEL
PLATING: NICKEL

ALIGNMENT PLATE: PPS
COLOR: BLACK, UL94V-0

2. MARKING: 3M LOGO AND PART NUMBER.

3. ELECTRICAL:
CURRENT RATING: 0.5 A
INSULATION RESISTANCE: 500 MΩ MIN AT 250 V_{DC}
WITHSTANDING VOLTAGE: 350 V_{AC} FOR 1 MINUTE

4. ENVIRONMENTAL:
TEMPERATURE RATING:
-40° C TO +70° C
PROCESS RATING:
REFLOW: PREHEAT 150° TO 180° C,
90 TO 120 SECONDS
SOLDERING: OVER 220° C,
30 TO 60 SECONDS, PEAK TEMPERATURE
IS 250° C MAX.
SOLDER IRON: 380° C MAX, 3 SECONDS MAX.
WAVE SOLDERING: 260° C, 10 SECONDS, 2 TIMES
OR 263° C, 5 SECONDS, 2 TIMES.
* PRE-HEAT CONDITION:
TEMP OF COMPONENTS: 100° C MAX.
DURATION: 60 SECONDS MAX.

5. IN THE EVENT OF CONFLICT BETWEEN THIS DATA
AND THAT CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT SPECIFICATION
TAKES PRECEDENT.

6. FOR VARIOUS PANEL THICKNESS JACKSOCKETS
REFER TO TS-0142.

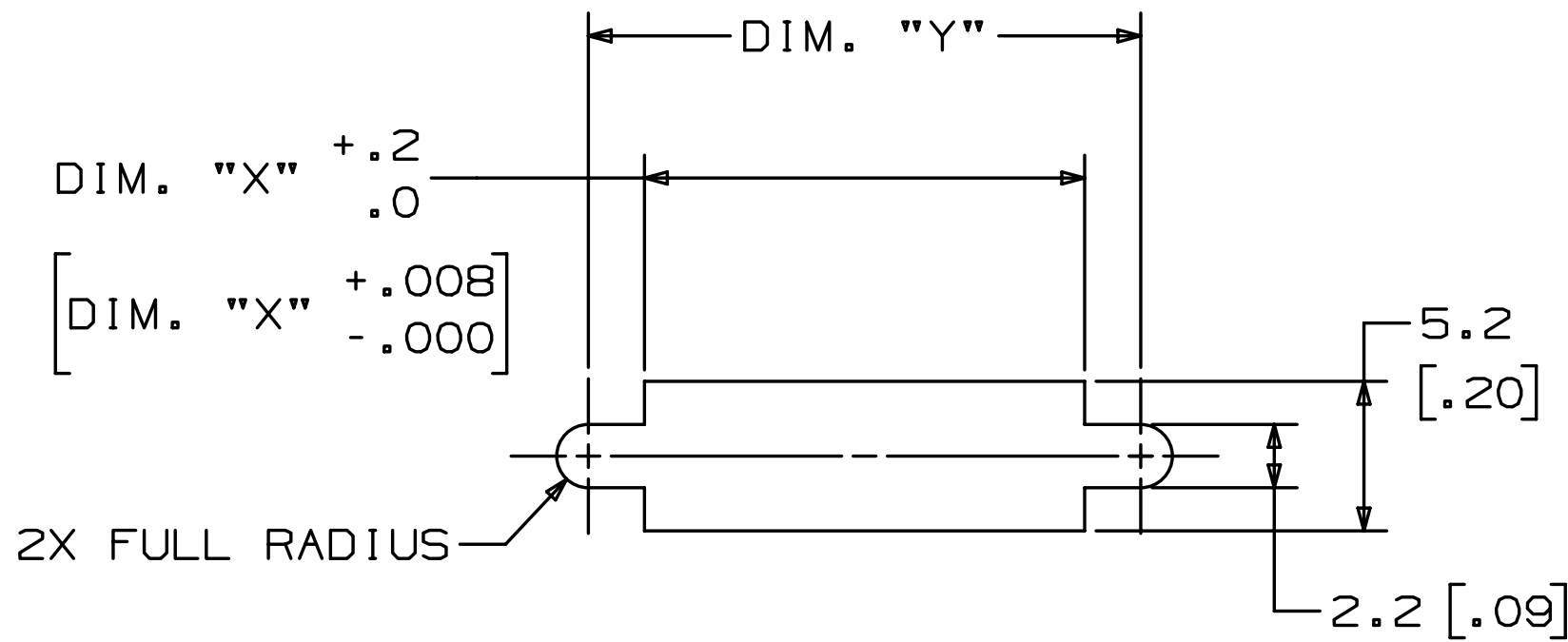
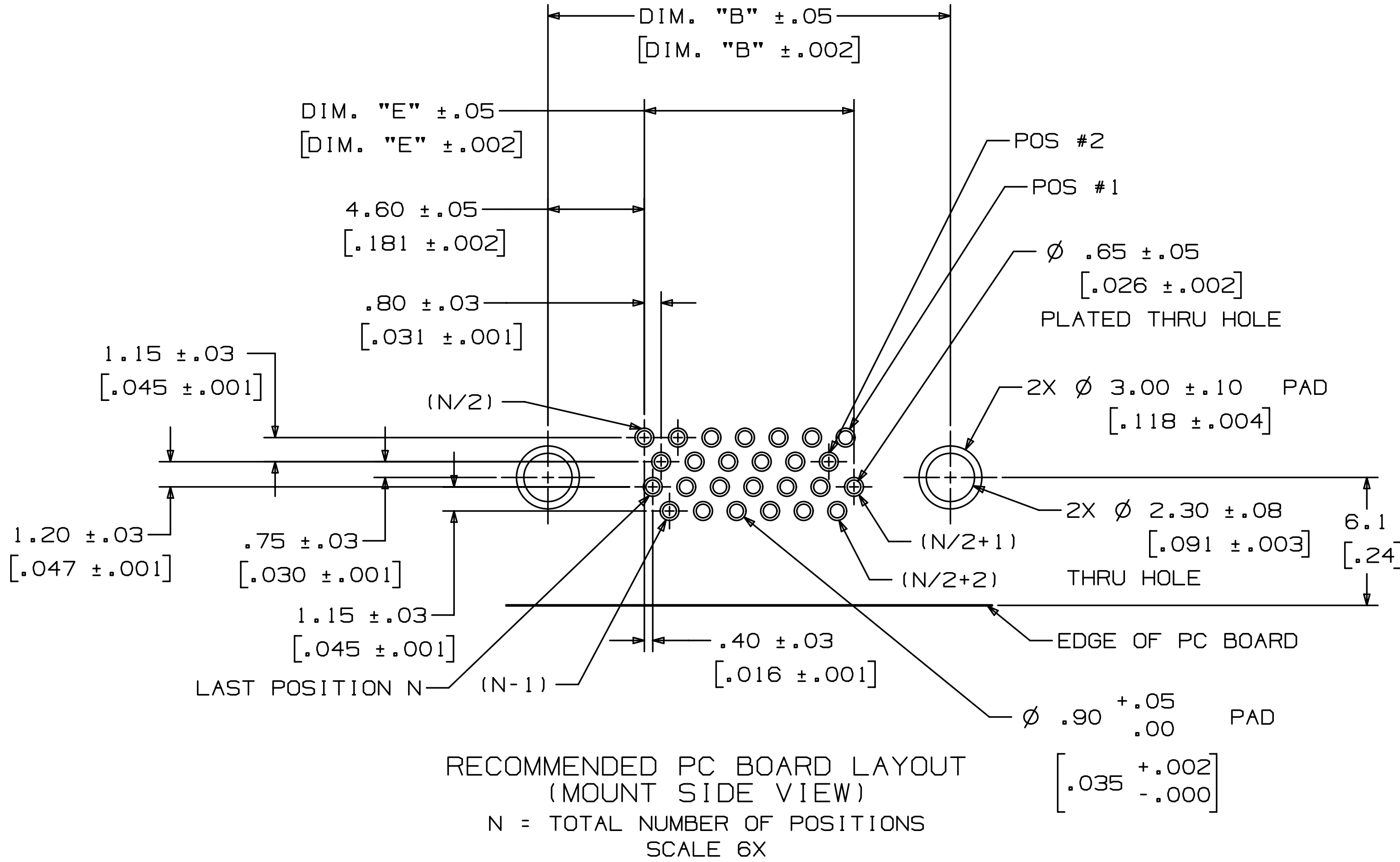
7. SEE REGULATORY INFORMATION APPENDIX (RIA)
IN THE "RoHS COMPLIANCE" SECTION OF
WWW.3MCONNECTOR.COM FOR COMPLIANCE INFORMATION.

DIMENSIONS ARE IN MM.
SECONDARY ARE IN [INCHES]
AND ARE FOR REFERENCE ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
1018000000	1018000000	1	1	1018000000	1	1
DIVISION	Interconnect Solutions	DIVISION CODE	ISD	DATE	DATE	DATE
DO NOT SCALE DRAWING	SCALE 6 1	TOLERANCES EXCEPT AS NOTED	INCHES .00 ± .006 .000 ± .006 .0000 ± .005	DATE	DATE	DATE
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 1994	MILLIMETERS 0 ± .00 ± .01 ± .013	DATE	DATE	DATE	DATE
MAX. SURFACE ROUGHNESS	DATE	DATE	DATE	DATE	DATE	DATE
MARKED ONLY	DATE	DATE	DATE	DATE	DATE	DATE
3M	3M Center St. Paul, MN 55144	3M	3M	3M	3M	3M
TITLE	3M SHRUNK DELTA RIBBON (SDR) CONN. 122XX-51X0-00FR	CAGE NUMBER	78-5100-2124-5	REV.	E	
MODEL	122XX-51X0-00	LISTS	YES NO	SHT	1 OF 2	

UL FILE NO: E68080

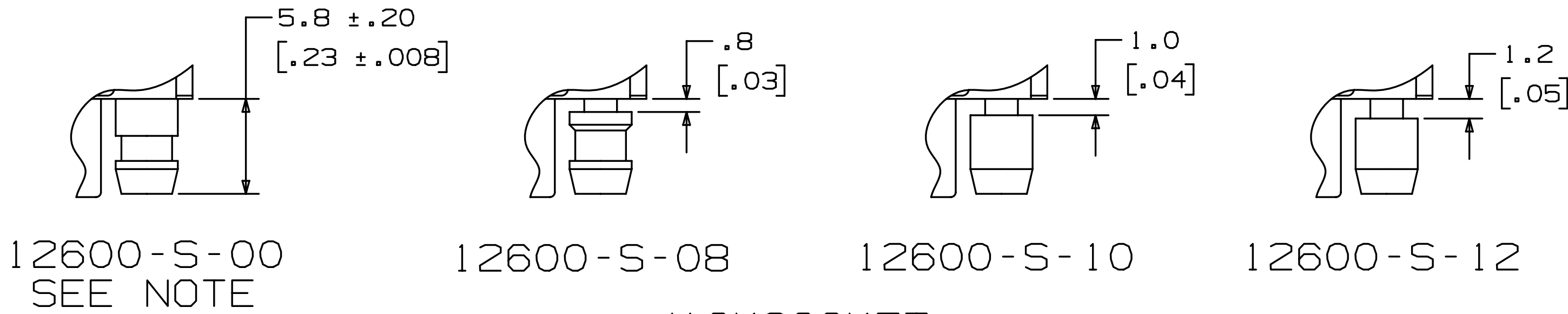
3M™ Shrunk Delta Ribbon (SDR) Connectors, 122 Series
.80 mm Through-Hole, Right Angle Receptacle, Shielded



RECOMMENDED PANEL CUT-OUT
(MAXIMUM PANEL THICKNESS 1.2MM)

POSITION	DIM. "X"	DIM. "Y"
14	10.5 [.41]	14.4 [.57]
26	15.3 [.60]	19.2 [.76]
50	24.9 [.98]	28.8 [1.13]

RECOMMENDED PANEL CUT-OUT DIMENSION TABLE
TABLE 2



JACKSOCKET
M2 X 0.4

NOTE: JACKSOCKET 12600-S-00 COMES FACTORY
INSTALLED IN CONNECTOR 122XX-5150-00FR.
IT IS FIXED WITH THREAD LOCKING ADHESIVE
AND CANNOT BE REMOVED.

PANEL THICKNESS	CONNECTOR	JACKSOCKET
NO PANEL	122XX-5150-00FR	FACTORY INSTALLED (SEE NOTE)
0.8 $\pm$ 0.1MM	122XX-5100-00FR	12600-S-08 (ORDER SEPARATELY)
1.0 $\pm$ 0.1MM	122XX-5100-00FR	12600-S-10 (ORDER SEPARATELY)
1.2 $\pm$ 0.1MM	122XX-5100-00FR	12600-S-12 (ORDER SEPARATELY)

SELECTION TABLE FOR PANEL MOUNTING
TABLE 3

ORDERING INFORMATION:
122XX-51X0-00FR

CONTACT QUANTITY
(SEE TABLE 1)

SCREW LOCK OPTION: (SEE TABLE 3)
0=NONE
(RIA E1 & C1 APPLY)
5=WITH 12600-S-00 NON-REMOVABLE SCREW LOCK
(RIA E5 & C3 APPLY)

E 30752				JAN 05,2011				JNC SC	
REV ECO				REVISED AND REDRAWN				DRFT CHKD	
CASTIGLIONE				ISSUE DATE AND DESCRIPTION				DATE	
CHKD				DATE JAN 05,2011				DATE JAN 12,2011	
MFG				C/D CRONCH					
© 3M COPYRIGHT 2011									
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 permission or used or disclosed other than for 3M authorized purposes. All rights reserved.					
3M				TITLE					
3M SHRUNK DELTA RIBBON (SDR) CONN. 122XX-51X0-00FR									
INCHES .00 ± .006 .00 ± .008 .0000 ± .005									
MILLIMETERS 0 ± .00 ± .15 .00 ± .15 .00 ± .13									
CAGE NUMBER D 78-5100-2124-5				DRAWING NO. 122XX-51X0-00				REV. E	
MODEL 122XX-51X0-00				DET LISTS				YES ☒ NO ☐ SHT 2 OF 2	

Mouser Electronics

Authorized Distributor

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[12226-8210-00FR](#) [12250-5110-00FR](#) [12250-5150-00PL](#)