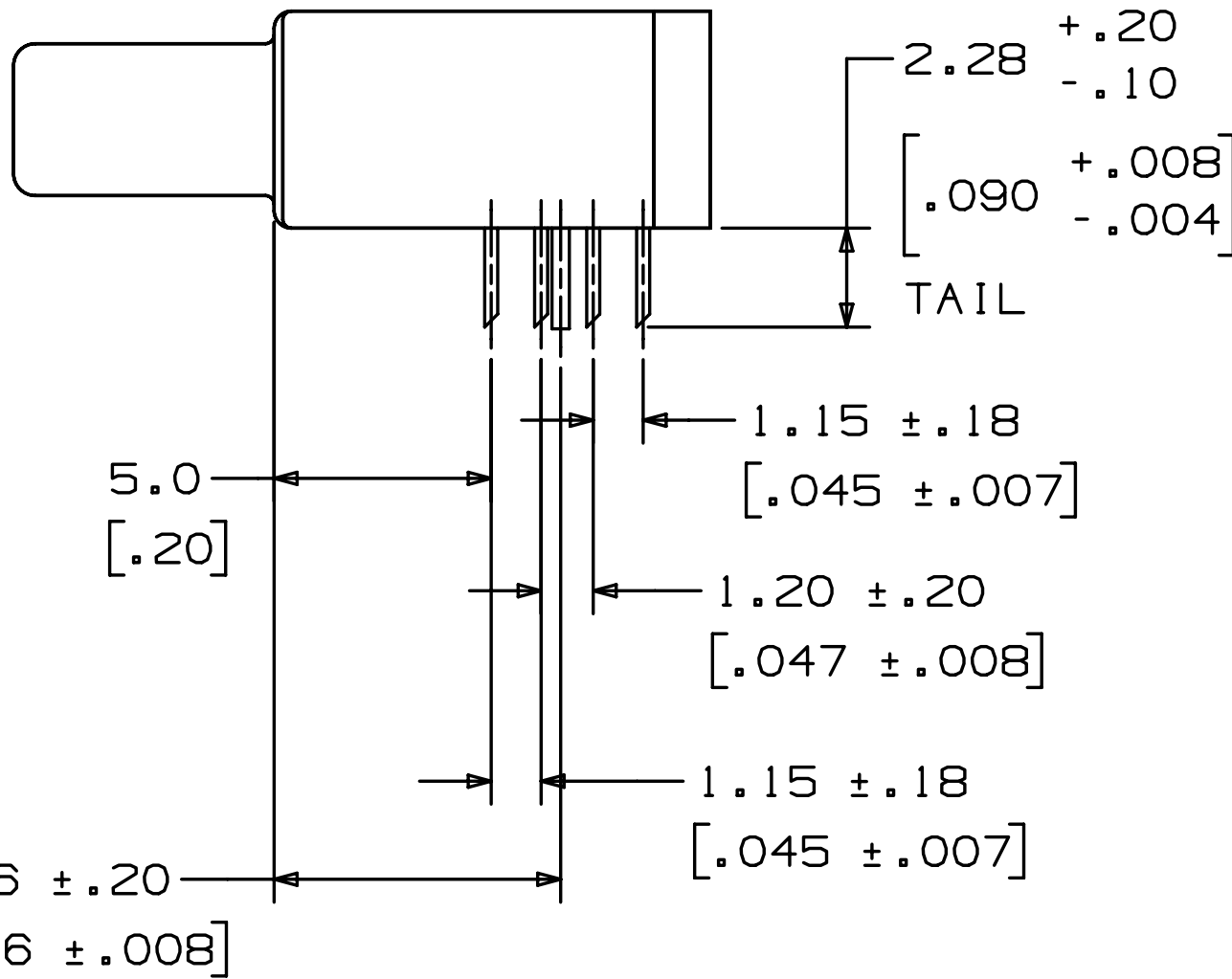
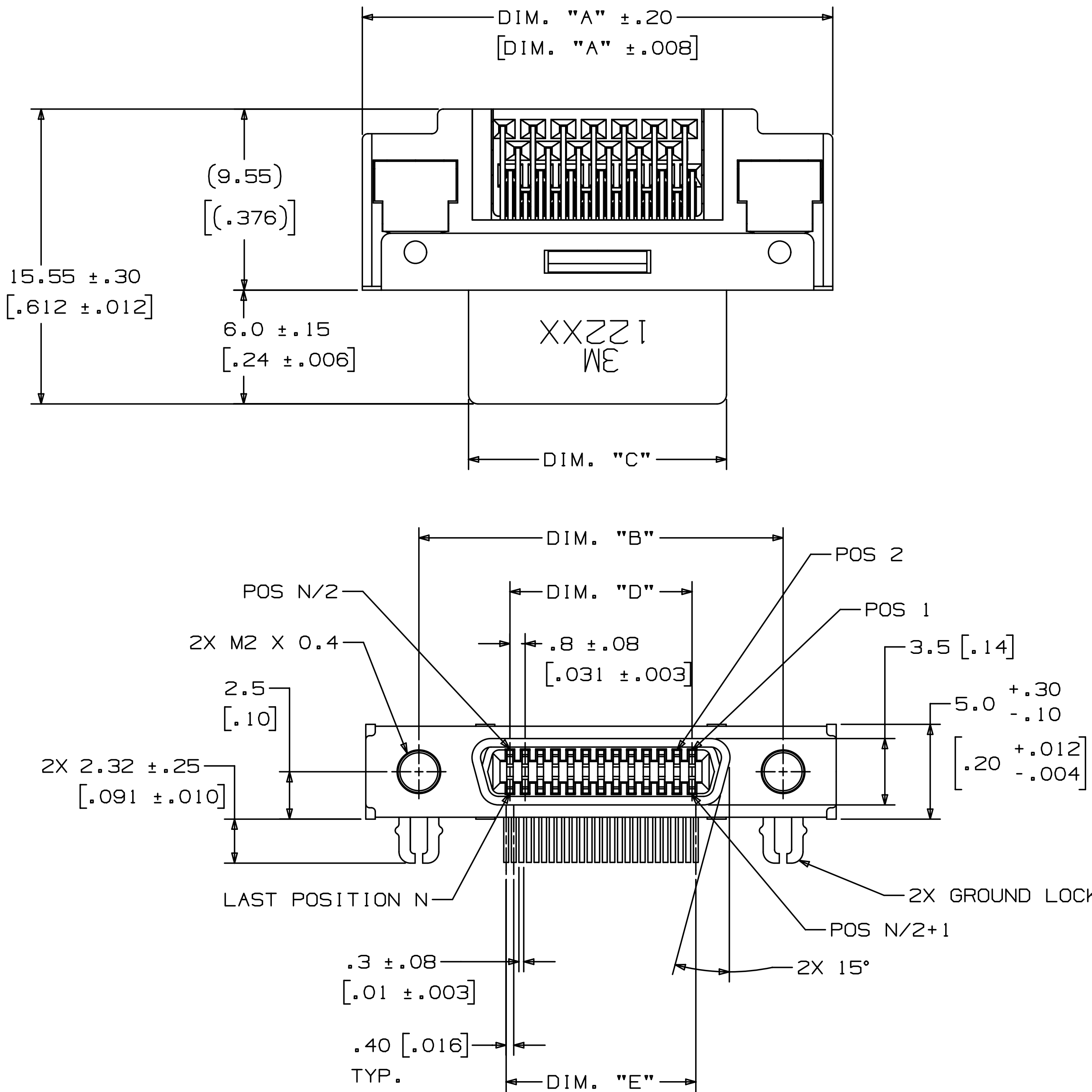


3M™ Shrunk Delta Ribbon (SDR) Connectors, 122 Series
.80 mm Through-Hole, Right Angle Receptacle, Shielded



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.

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]

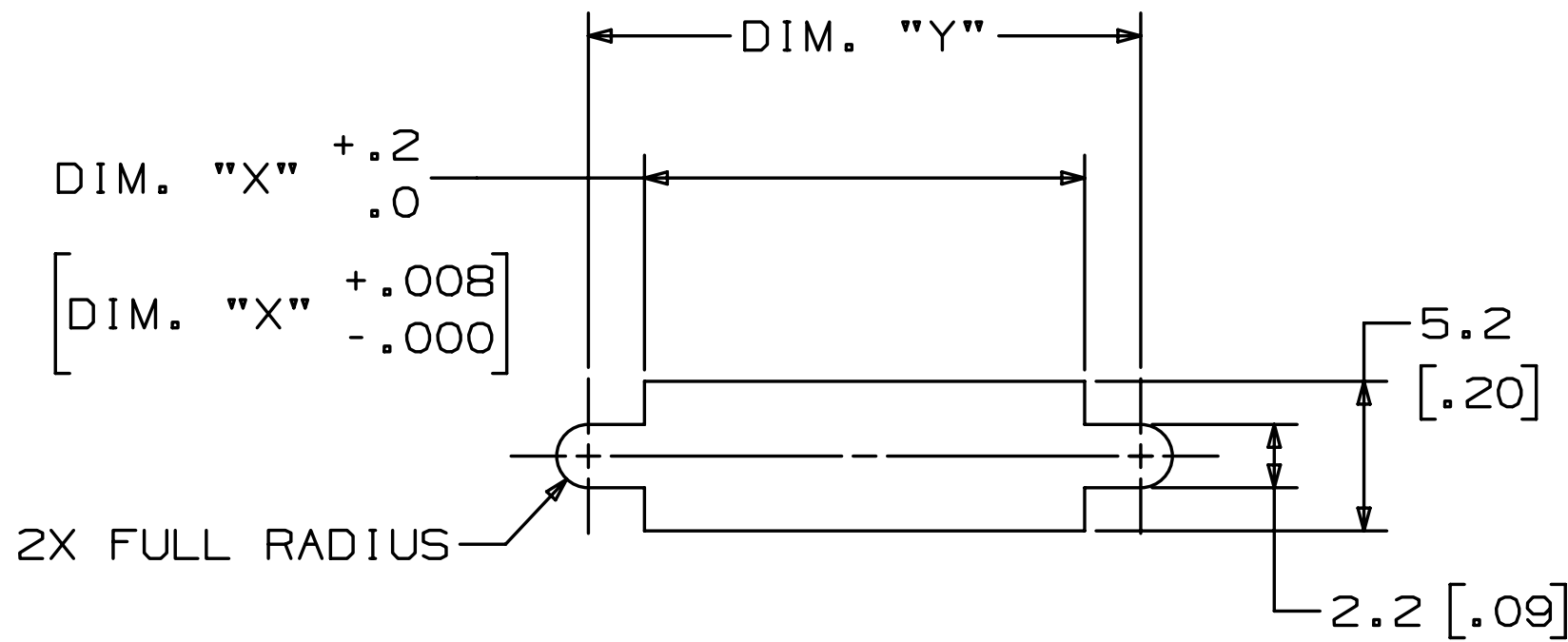
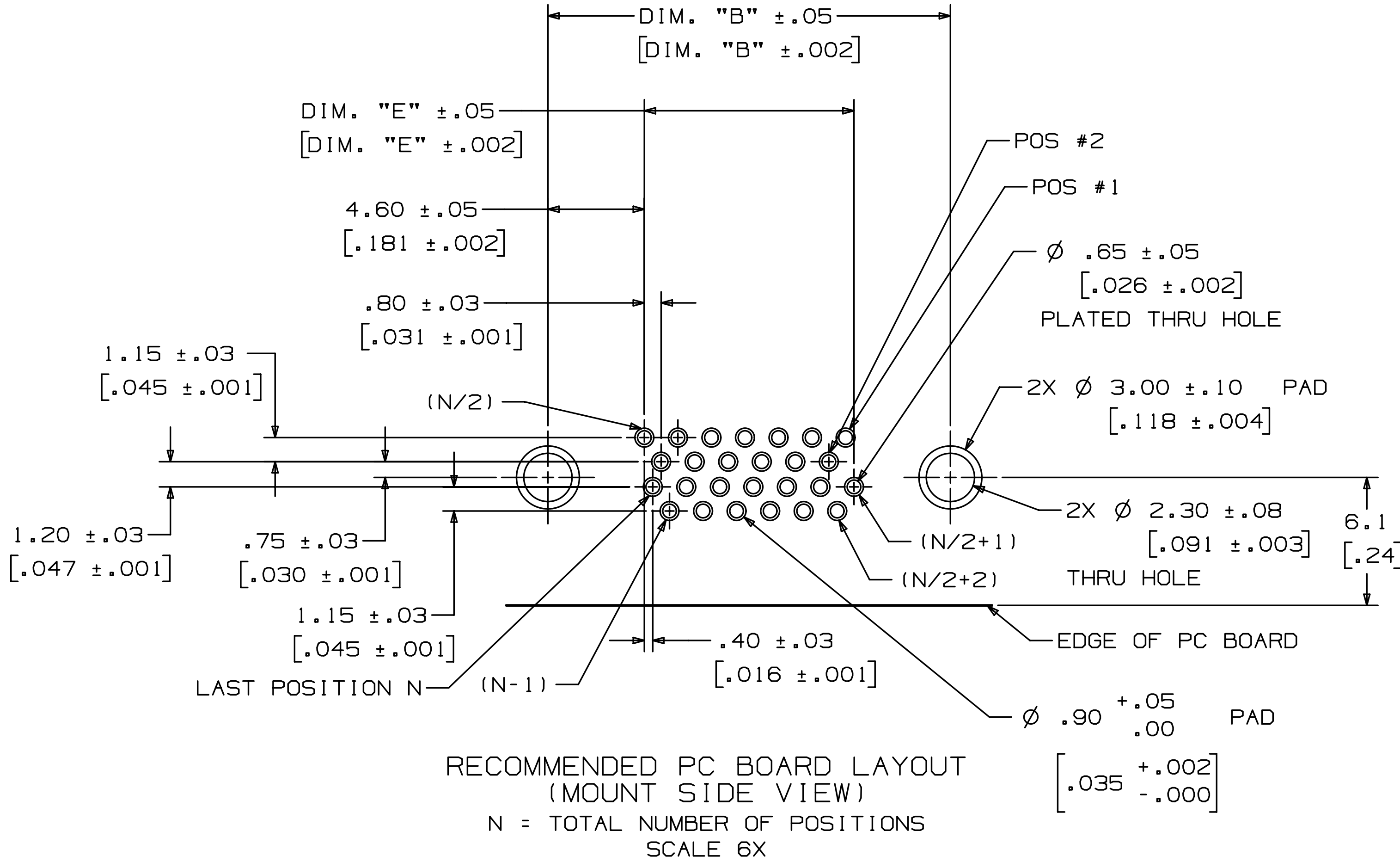
CONNECTOR DIMENSION TABLE
TABLE 1

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
122XX-51X0-00	122XX-51X0-00	1	1	122XX-51X0-00	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	3M	3M Center St. Paul, MN 55144	© 3M COPYRIGHT 2011. 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	INTERPRET PER ASME Y14.5 - 1994	MILLIMETERS 0 ± .00 ± .01 ± .013	0 ± .00 ± .01 ± .013	TITLE	3M SHRUNK DELTA RIBBON (SDR) CONN. 122XX-51X0-00FR	CAGE SIZE DRAWING NO. NUMBER D 78-5100-2124-5
MAX. SURFACE ROUGHNESS	MARKED ONLY	ANGLES	ANGLES	MODEL	122XX-51X0-00	REV. E

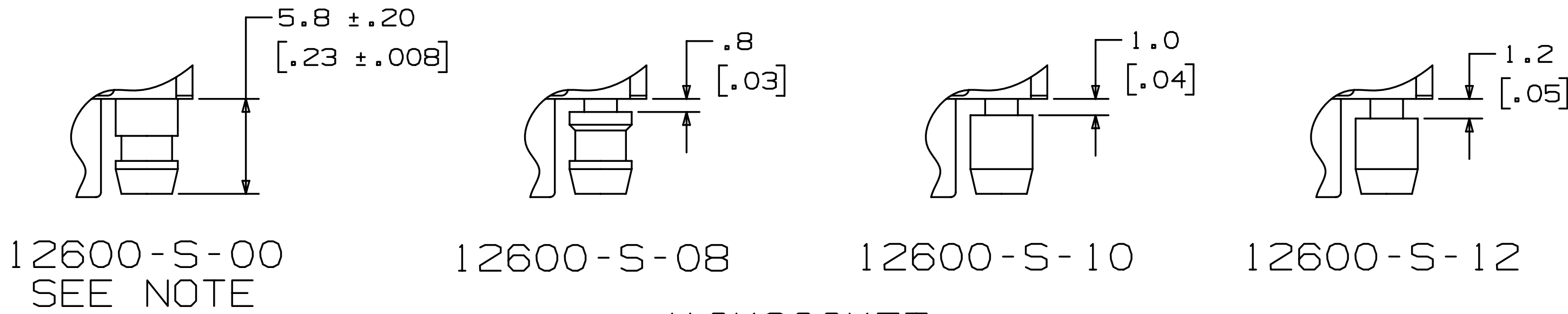
UL FILE NO: E68080

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



RECOMMENDED PANEL CUT-OUT DIMENSION TABLE
TABLE 2

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]



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)

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTANCE		CODES		OFF	C	ASTIGLIONE	DATE	JAN 05,2011	DATE
DIVISION		INTERCONNECT SOLUTIONS		ISD	3M Center		3M COPYRIGT 2011		
DO NOT SCALE DRAWING		SCALE		4	TOLERANCES EXCEPT AS NOTED		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	MILLIMETERS		TITLE		
INTERPRET PER ASME Y14.5 - 1994		.00		$\pm .006$	0		3M SHRUNK DELTA RIBBON (SDR) CONN.		
MAX SURFACE ROUGHNESS		.000		$\pm .006$	.0		122XX-51X0-00FR		
MARKED ONLY		.0000		$\pm .005$	.0		CAGE SIZE DRAWING NO.		
		.00		$\pm .15$	.00		NUMBER		
		.000		$\pm .13$	.000		DET		
							MODEL		
							122XX-51X0-00		
							LISTS		
							YES NO		
							SHT 2 OF 2		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[12214-5150-00FR](#) [12226-5150-00FR](#) [12250-5150-00FR](#) [12214-1110-00FR](#) [12214-5110-00FR](#) [12214-5150-00PL](#)
[12214-8210-00FR](#) [12226-1110-00FR](#) [12226-1150-00PL](#) [12226-5110-00FR](#) [12226-5150-00PL](#) [12226-8210-00FR](#)
[12250-5110-00FR](#) [12250-5150-00PL](#)