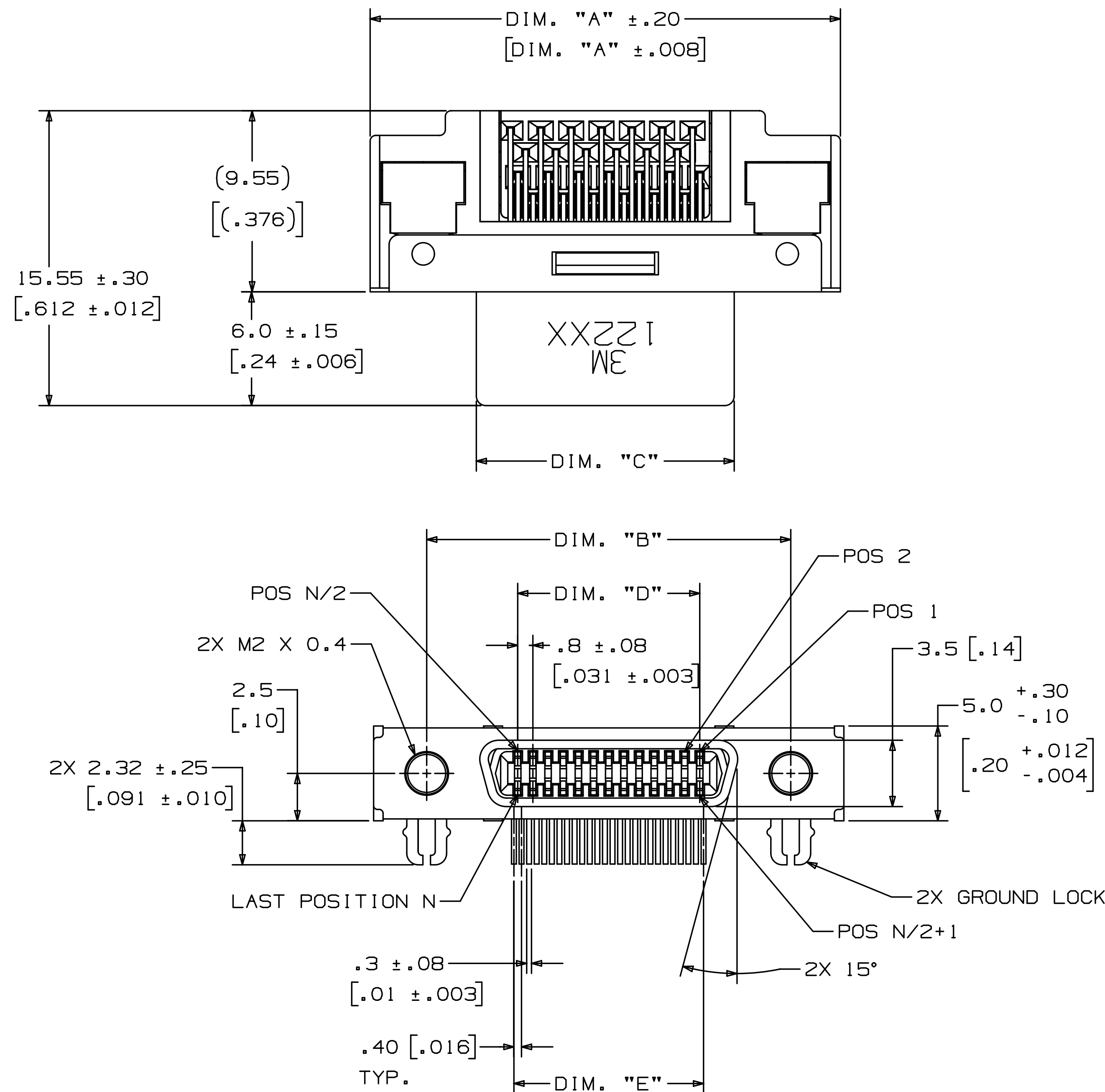


3M™ Shrunk Delta Ribbon (SDR) Connectors, 122 Series
 .80 mm Through-Hole, Right Angle Receptacle, Shielded



| 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

- NOTES
- 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
 - MARKING: 3M LOGO AND PART NUMBER.
 - ELECTRICAL:
 CURRENT RATING: 0.5 A
 INSULATION RESISTANCE: 500 MΩ MIN AT 250 V_{DC}
 WITHSTANDING VOLTAGE: 350 V_{AC} FOR 1 MINUTE
 - 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.
 - IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
 - FOR VARIOUS PANEL THICKNESS JACKSOCKETS REFER TO TS-0142.
 - 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 |
| | | | | JAN 05, 2011 | JNC | SC |
| DESIGNER | | DATE | | APPV | | DATE |
| CASTIGLIONE | | JAN 05, 2011 | | B. CRONCH | | JAN 12, 2011 |
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| DO NOT SCALE DRAWING | SCALE 6/1 | TOLERANCES EXCEPT AS NOTED | | 3M Center St. Paul, MN 55144 | | |
| THIRD ANGLE PROJECTION | | INCHES | | TITLE | | |
| INTERPRET PER ASME Y14.5 - 1994 | | .00 ±.006 .000 ±.006 .0000 ±.005 | | 3M SHRUNK DELTA RIBBON (SDR) CONN. 122XX-51X0-00FR | | |
| MAX SURFACE ROUGHNESS | | MILLIMETERS | | CAGE SIZE DRAWING NO. | | |
| .00 ±.15 .000 ±.13 | | 0 ± 0 ±.15 0 ±.13 | | NUMBER D 78-5100-2124-5 E | | |
| MARKED ONLY | | ANGL | | MODEL 122XX-51X0-00 | | |
| | | | | SHT 1 OF 2 | | |

3M
 UL FILE NO: E68080

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



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±0.1MM | 122XX-5100-00FR | 12600-S-08 (ORDER SEPARATELY) |
| 1.0±0.1MM | 122XX-5100-00FR | 12600-S-10 (ORDER SEPARATELY) |
| 1.2±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)



| 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

| | | | | | | |
|---------------------------------|---------------|--|------------------------------------|----------------------------|------|--------------|
| DESIGN REFERENCE | NEXT ASSEMBLY | REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
| | | | | JAN 05, 2011 | JNC | SC |
| DISTRIBUTION CODES | | DRFT | CASTIGLIONE | DATE | DATE | DATE |
| | | CHKD | | JAN 05, 2011 | | JAN 12, 2011 |
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| DO NOT SCALE DRAWING | SCALE 4/1 | TOLERANCES EXCEPT AS NOTED | 3M Center St. Paul, MN 55144 | | | |
| | | INCHES | TITLE | | | |
| | | .0 ± .006 | 3M SHRUNK DELTA RIBBON (SDR) CONN. | | | |
| | | .000 ± .006 | 122XX-51X0-00FR | | | |
| | | .0000 ± .005 | CAGE SIZE DRAWING NO. | | | |
| THIRD ANGLE PROJECTION | | MILLIMETERS | NUMBER D 78-5100-2124-5 | | | |
| INTERPRET PER ASME Y14.5 - 1994 | | 0 ± .15 | MODEL | | | |
| | | .00 ± .15 | 122XX-51X0-00 | | | |
| MAX SURFACE ROUGHNESS | | .000 ± .13 | REV. | | | |
| MARKED SURFACES | | | E | | | |
| MARKED ONLY | | | SHT 2 OF 2 | | | |

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