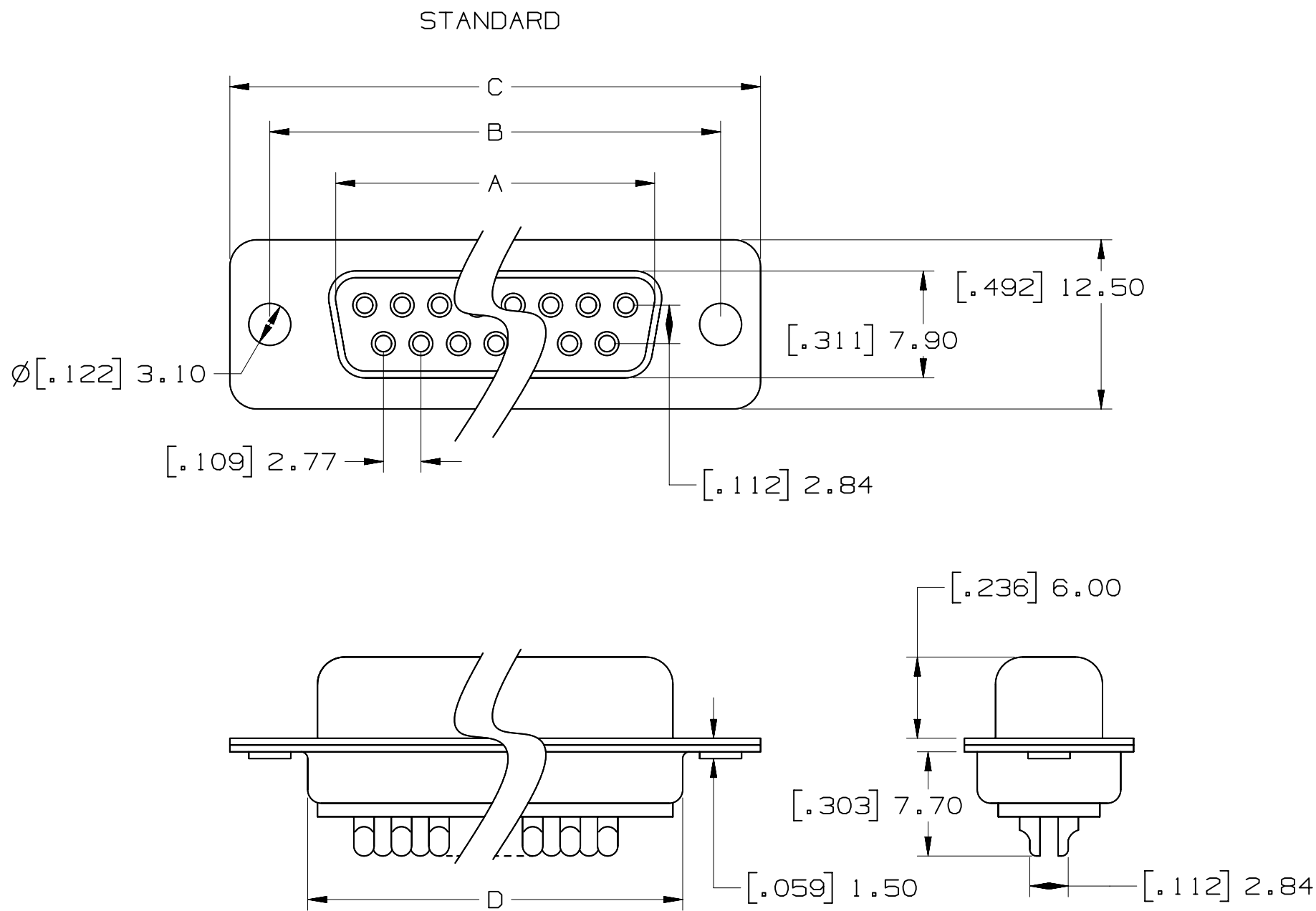


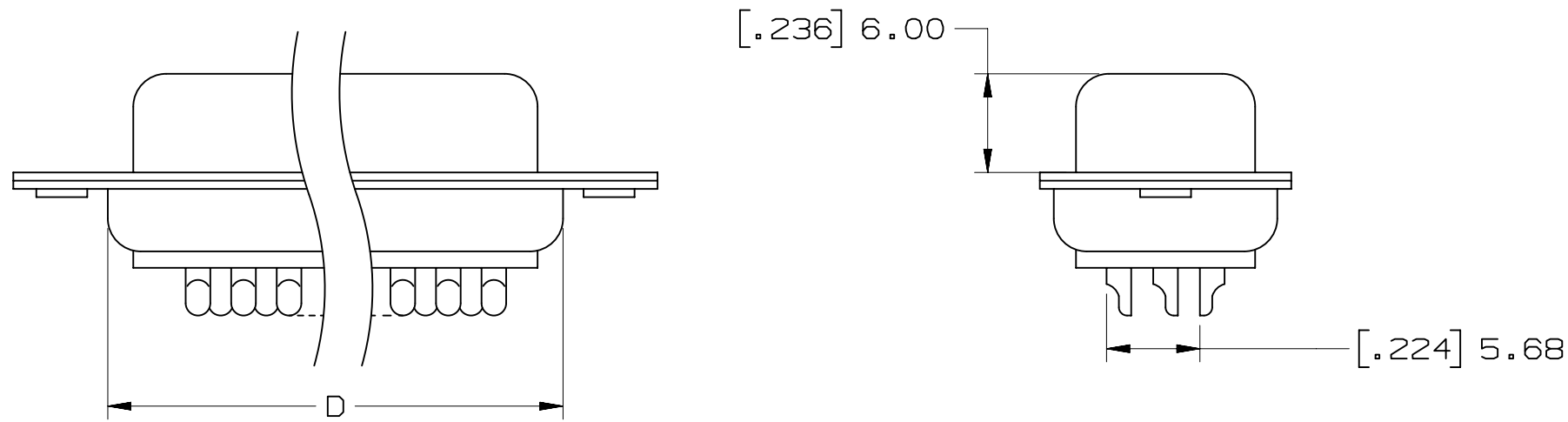
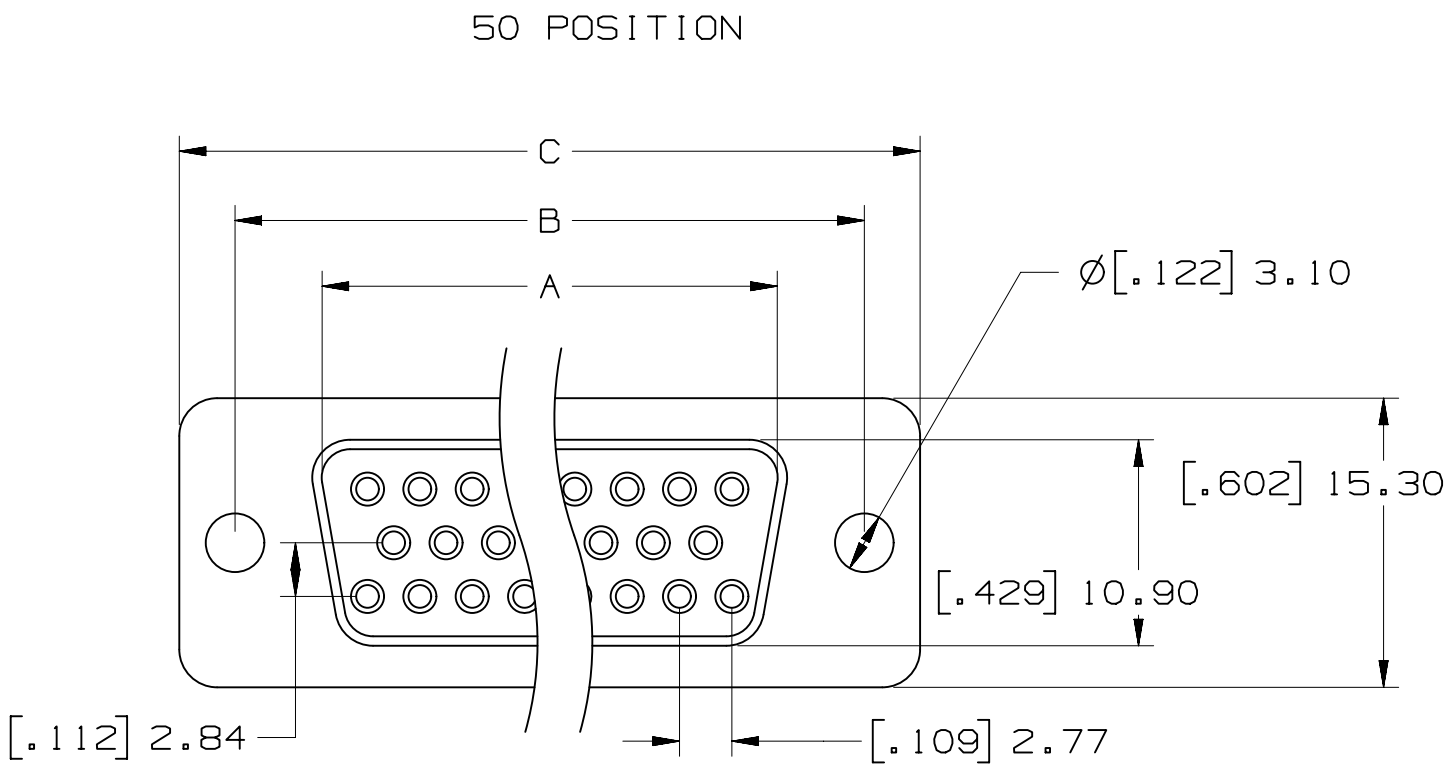
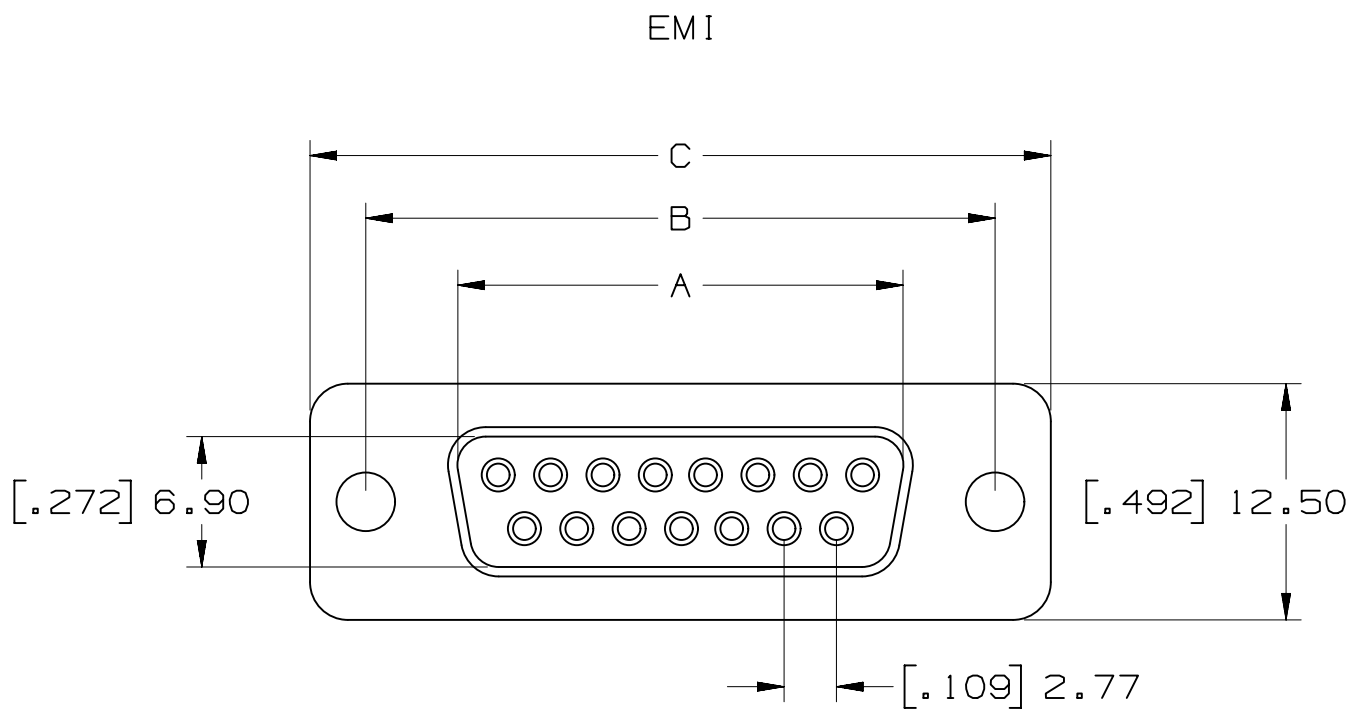
3M™ Solder Cup D Sub Socket, 8000 Series



| POSITION | A             | B             | C             | D             |
|----------|---------------|---------------|---------------|---------------|
| 9        | [.642] 16.30  | [.984] 25.00  | [1.213] 30.80 | [.756] 19.20  |
| 15       | [.969] 24.60  | [1.311] 33.30 | [1.543] 39.20 | [1.091] 27.70 |
| 25       | [1.508] 38.30 | [2.248] 57.10 | [2.091] 53.10 | [1.618] 41.10 |
| 37       | [2.157] 54.80 | [2.500] 63.50 | [2.732] 69.40 | [2.256] 57.30 |
| 50*      | [2.055] 52.20 | [2.402] 61.00 | [2.638] 67.00 | [2.169] 55.10 |

\*50 POSITION AVAILABLE IN STANDARD ONLY

| PERFORMANCE            |                        |
|------------------------|------------------------|
| OPERATION VOLTAGE:     | 250V MAX.              |
| CURRENT:               | 3A MAX.                |
| INSULATION RESISTANCE: | 3000 MOhm MIN @ 500VDC |
| WITHSTANDING VOLTAGE:  | 1000 VAC / MIN.        |
| TEMPERATURE RATING:    | -55°C to 105°C         |
| CONTACT RESISTANCE:    | 15 mOhms MAX.          |



8RXX-X00X

NUMBER OF  
CONTACTS  
(SEE TABLE)

PLATING  
1 - AU FLASH  
2 - 30μ" AU

EMI  
N - STANDARD  
E - EMI

Unless otherwise noted, references to industry specifications are intended to indicate substantial compliance to the material elements of the specification. Such references should not be construed as a guarantee of compliance to all requirements in a given specification.

3M ELECTRONIC SOLUTIONS DIVISION  
INTERCONNET SOLUTIONS  
<http://www.3mconnectors.com>

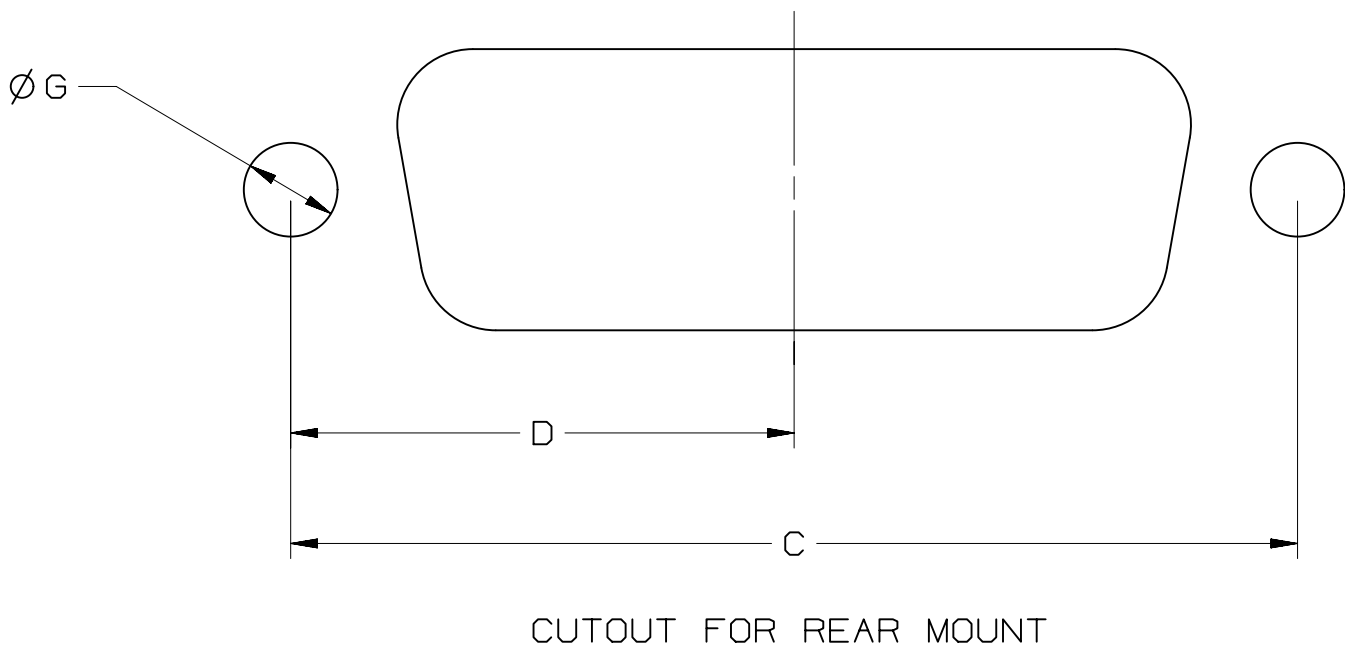
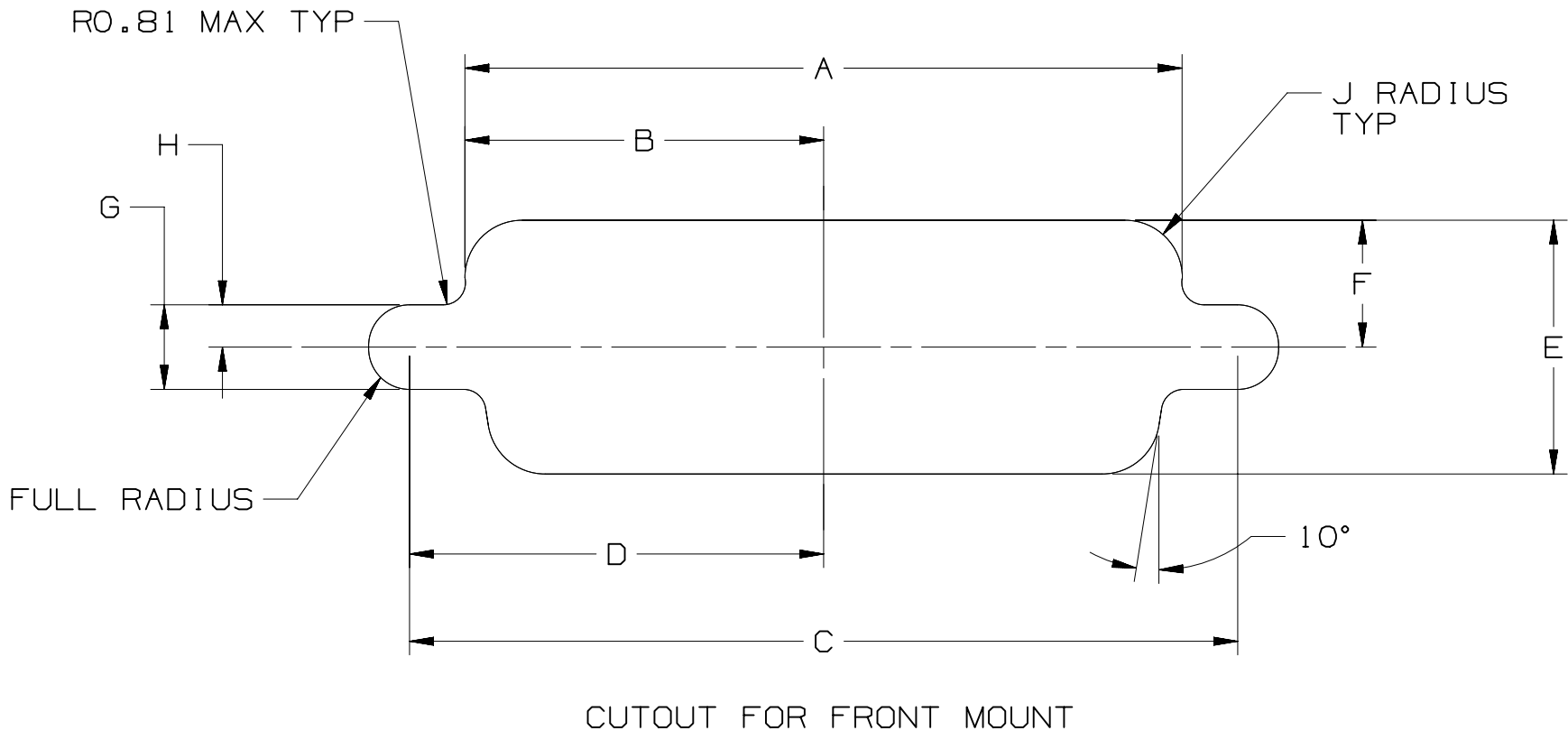
3M IS A TRADEMARK OF 3M COMPANY.  
FOR TECHNICAL, SALES OR ORDERING  
INFORMATION, CALL 800-225-5373

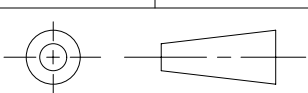
NOTES

- 1 MATERIAL:  
THERMAL PLASTIC UL94V-0  
CONTACTS:  
COPPER ALLOY  
SHELL:  
G3141 SPCC OR EQUIVALENT
- 2 PLATING:  
50μ" NICKEL UNDERPLATE  
1μ" AU WIPING AREA OR  
30μ" AU WIPING AREA  
100-200μ" TIN (BRIGHT TIN) SOLDER TAIL
- 3 MATES WITH:  
BPXX-X00X
- 4 SEE THE REGULATORY INFORMATION  
APPENDIX (RIA) IN "RoHS"  
COMPLIANCE SECTION OF  
[WWW.3MCONNECTOR.COM](http://WWW.3MCONNECTOR.COM) FOR  
COMPLIANCE INFORMATION  
(RIA E1 & C1 APPLY)

|                                                                                                                                                                                                                        |       |                            |       |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------|-------|--------|
| C                                                                                                                                                                                                                      | 46292 | MAR 28, 2013               | SJS   | ARM    |
| B                                                                                                                                                                                                                      | 34516 | AUG 29, 2011               | SJS   | ARM    |
| A                                                                                                                                                                                                                      | 34511 | MAY 18, 2011               | SJS   | ARM    |
| REV                                                                                                                                                                                                                    | ECO   | ISSUE DATE AND DESCRIPTION | DRFT  | CHKD   |
| DRP                                                                                                                                                                                                                    | SJS   | DATE MAY 18, 2011          | MFG   | DATE   |
| CHKD                                                                                                                                                                                                                   | ARM   | DATE MAY 18, 2011          | APPL  | DATE   |
| © 3M COPYR[IGHT] 2013                                                                                                                                                                                                  |       |                            |       |        |
| 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                                                                                                                                                                                                                  |       |                            |       |        |
| 8RXX-X00X D-SUB<br>SOLDER CUP SOCKET<br>TS-2402                                                                                                                                                                        |       |                            |       |        |
| CAGE NUMBER                                                                                                                                                                                                            | SIZE  | DRAWING NO.                | REV.  |        |
| D                                                                                                                                                                                                                      |       | 78-5100-2402-5             | C     |        |
| MODEL                                                                                                                                                                                                                  | BR    | DET                        | LISTS | YES    |
|                                                                                                                                                                                                                        |       | NO                         | SHT   | 1 OF 2 |

| POSITION | MOUNTING METHOD | A             | B             | C             | D             | E            | F           | G           | H           | J           |
|----------|-----------------|---------------|---------------|---------------|---------------|--------------|-------------|-------------|-------------|-------------|
| 9        | FRONT           | .874[ 22.2 ]  | .437[ 11.1 ]  | .984[ 25.0 ]  | .492[ 12.5 ]  | .513[ 13.0 ] | .257[ 6.5 ] | .120[ 3.1 ] | .060[ 1.5 ] | .083[ 2.1 ] |
|          | REAR            | .806[ 20.5 ]  | .403[ 10.2 ]  | .984[ 25.0 ]  | .492[ 12.5 ]  | .449[ 11.4 ] | .225[ 5.7 ] | .120[ 3.1 ] | .060[ 1.5 ] | .132[ 3.4 ] |
| 15       | FRONT           | 1.202[ 30.5 ] | .601[ 15.3 ]  | 1.312[ 33.3 ] | .656[ 16.7 ]  | .513[ 13.0 ] | .257[ 6.5 ] | .120[ 3.1 ] | .060[ 1.5 ] | .083[ 2.1 ] |
|          | REAR            | 1.134[ 28.8 ] | .567[ 14.4 ]  | 1.312[ 33.3 ] | .656[ 16.7 ]  | .449[ 11.4 ] | .225[ 5.7 ] | .120[ 3.1 ] | .060[ 1.5 ] | .132[ 3.4 ] |
| 25       | FRONT           | 1.743[ 44.3 ] | .872[ 22.2 ]  | 1.852[ 47.0 ] | .926[ 23.5 ]  | .513[ 13.0 ] | .257[ 6.5 ] | .120[ 3.1 ] | .060[ 1.5 ] | .083[ 2.1 ] |
|          | REAR            | 1.674[ 42.5 ] | .837[ 21.3 ]  | 1.852[ 47.0 ] | .926[ 23.5 ]  | .449[ 11.4 ] | .225[ 5.7 ] | .120[ 3.1 ] | .060[ 1.5 ] | .132[ 3.4 ] |
| 37       | FRONT           | 2.391[ 60.7 ] | 1.196[ 30.4 ] | 2.500[ 63.5 ] | 1.250[ 31.8 ] | .513[ 13.0 ] | .257[ 6.5 ] | .120[ 3.1 ] | .060[ 1.5 ] | .083[ 2.1 ] |
|          | REAR            | 2.326[ 59.1 ] | 1.163[ 29.5 ] | 2.500[ 63.5 ] | 1.250[ 31.8 ] | .449[ 11.4 ] | .225[ 5.7 ] | .120[ 3.1 ] | .060[ 1.5 ] | .132[ 3.4 ] |
| 50       | FRONT           | 2.297[ 58.3 ] | 1.149[ 29.2 ] | 2.406[ 61.1 ] | 1.203[ 30.6 ] | .623[ 15.8 ] | .312[ 7.9 ] | .120[ 3.1 ] | .060[ 1.5 ] | .083[ 2.1 ] |
|          | REAR            | 2.218[ 56.3 ] | 1.109[ 28.2 ] | 2.406[ 61.1 ] | 1.203[ 30.6 ] | .555[ 14.1 ] | .278[ 7.1 ] | .120[ 3.1 ] | .060[ 1.5 ] | .132[ 3.4 ] |



|                                                                                       |  |                                                  |       |                                                                                                                                                                                                                                                              |  |        |      |
|---------------------------------------------------------------------------------------|--|--------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------|------|
|                                                                                       |  | C                                                | 46292 | MAR 28, 2013                                                                                                                                                                                                                                                 |  | SJS    | ARM  |
|                                                                                       |  | B                                                | 34516 | CORRECT SHELL MATL<br>AUG 29, 2011                                                                                                                                                                                                                           |  | SJS    | ARM  |
|                                                                                       |  | A                                                | 34511 | CHANGE MOHMS TO<br>MOHMS, UPDATE ROHS<br>MAY 18, 2011                                                                                                                                                                                                        |  | SJS    | ARM  |
|                                                                                       |  | REV                                              | ECO   | ISSUE DATE AND DESCRIPTION                                                                                                                                                                                                                                   |  | DRFT   | CHKD |
| DESIGN REFERENCE                                                                      |  | NEXT ASSEMBLY                                    |       | DATE                                                                                                                                                                                                                                                         |  | DATE   |      |
| RCN CODES                                                                             |  | SJS                                              |       | MAY 18, 2011                                                                                                                                                                                                                                                 |  | MFG    |      |
|                                                                                       |  | CHKD ARM                                         |       | DATE MAY 18, 2011                                                                                                                                                                                                                                            |  | APPRVL |      |
|                                                                                       |  |                                                  |       |                                                                                                                                                                                                                                                              |  |        |      |
| DIVISION                                                                              |  | DIVISION CODE                                    |       | © 3M. COPYRIGHT 2013                                                                                                                                                                                                                                         |  |        |      |
| DO NOT SCALE DRAWING                                                                  |  | SCALE 1 1                                        |       | 3M Center<br>St. Paul,<br>MN 55144<br>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. |  |        |      |
|  |  | TOLERANCES EXCEPT AS NOTED                       |       | TITLE                                                                                                                                                                                                                                                        |  |        |      |
| THIRD ANGLE PROJECTION                                                                |  | INCHES<br>0.00 ±<br>0.002 ±<br>0.0000 ±          |       | 8RXX-X00X D-SUB<br>SOLDER CUP SOCKET<br>TS-2402                                                                                                                                                                                                              |  |        |      |
| INTERPRET PER ASME Y14.5 - 1994                                                       |  | MILLIMETERS<br>0 ±.1<br>0.00 ±.05<br>0.000 ±.005 |       | CAGE NUMBER                                                                                                                                                                                                                                                  |  |        |      |
| MAX SURFACE ROUGHNESS<br>125<br>✓ □ ALL SURFACES<br>✗ MARKED ONLY                     |  | ANGLES ± 1 °                                     |       | SIZE<br>D 78-5100-2402-5                                                                                                                                                                                                                                     |  |        |      |
|                                                                                       |  |                                                  |       | DRAWING NO.                                                                                                                                                                                                                                                  |  |        |      |
|                                                                                       |  |                                                  |       | REV.                                                                                                                                                                                                                                                         |  |        |      |
|                                                                                       |  |                                                  |       | C                                                                                                                                                                                                                                                            |  |        |      |
|                                                                                       |  |                                                  |       | MODEL                                                                                                                                                                                                                                                        |  |        |      |
|                                                                                       |  |                                                  |       | BR                                                                                                                                                                                                                                                           |  |        |      |
|                                                                                       |  |                                                  |       | DET.                                                                                                                                                                                                                                                         |  |        |      |
|                                                                                       |  |                                                  |       | LISTS                                                                                                                                                                                                                                                        |  |        |      |
|                                                                                       |  |                                                  |       | YES                                                                                                                                                                                                                                                          |  |        |      |
|                                                                                       |  |                                                  |       | NO                                                                                                                                                                                                                                                           |  |        |      |
|                                                                                       |  |                                                  |       | SHT 2 OF 2                                                                                                                                                                                                                                                   |  |        |      |