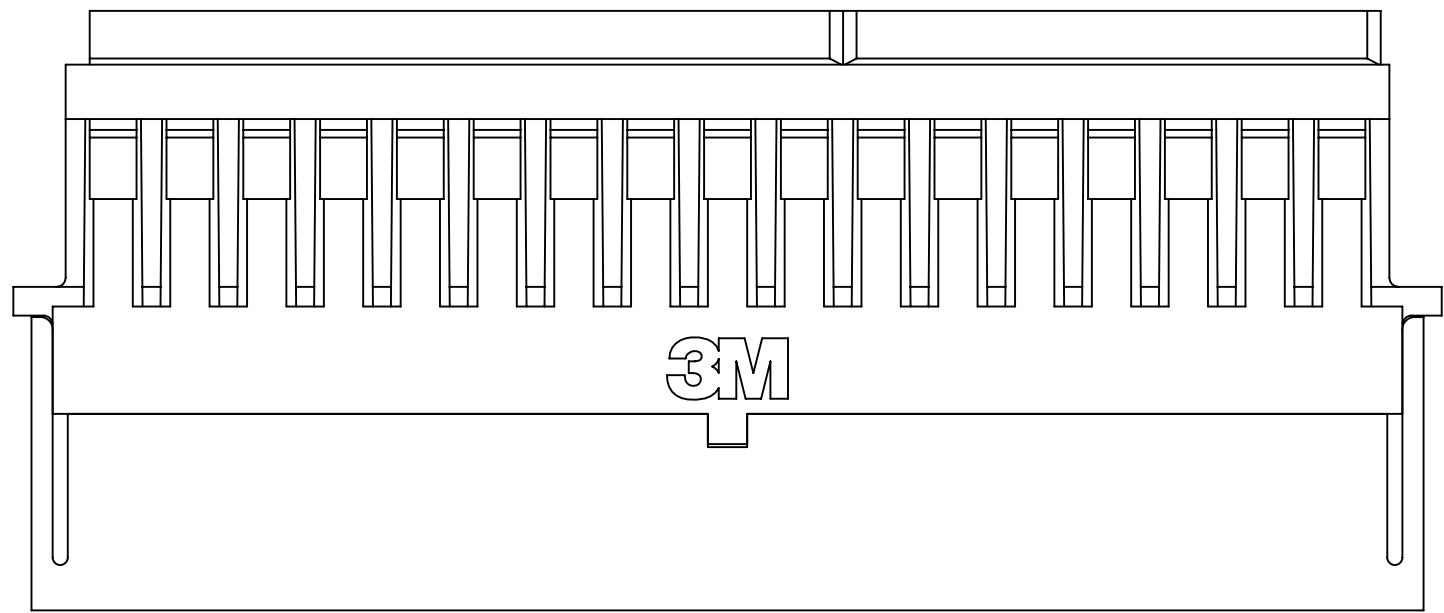
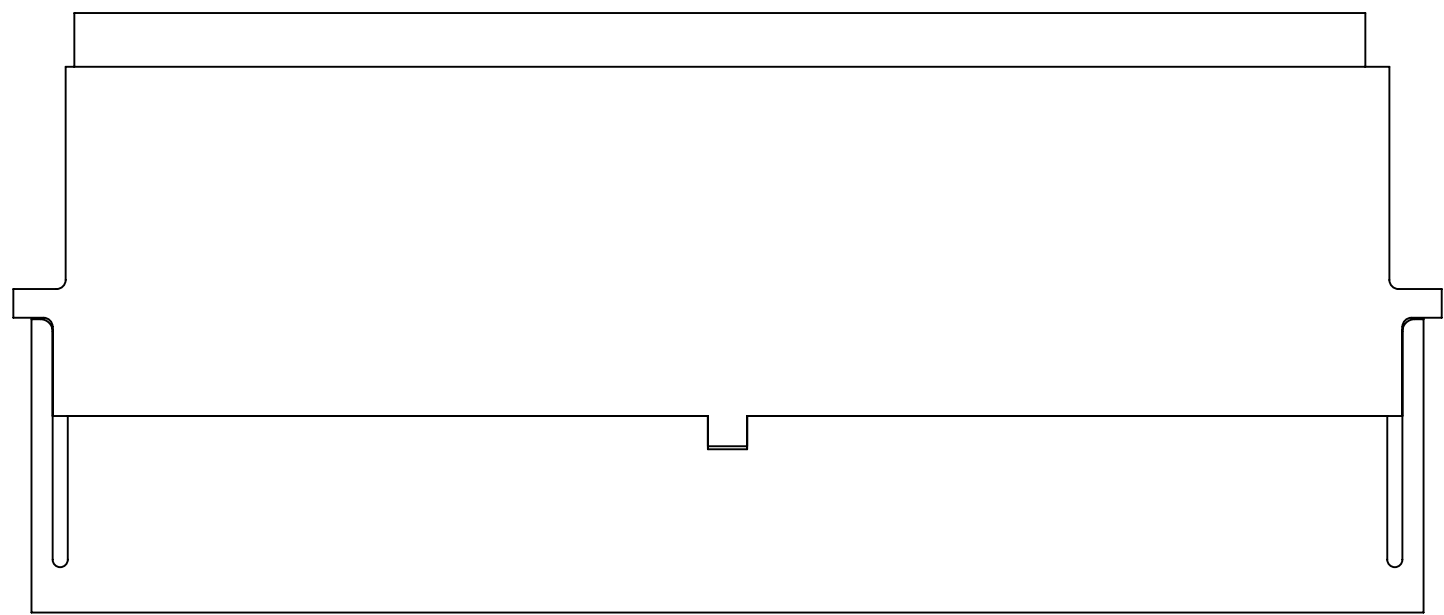


3M™ SHIELDED CONTROLLED IMPEDANCE (SCI)

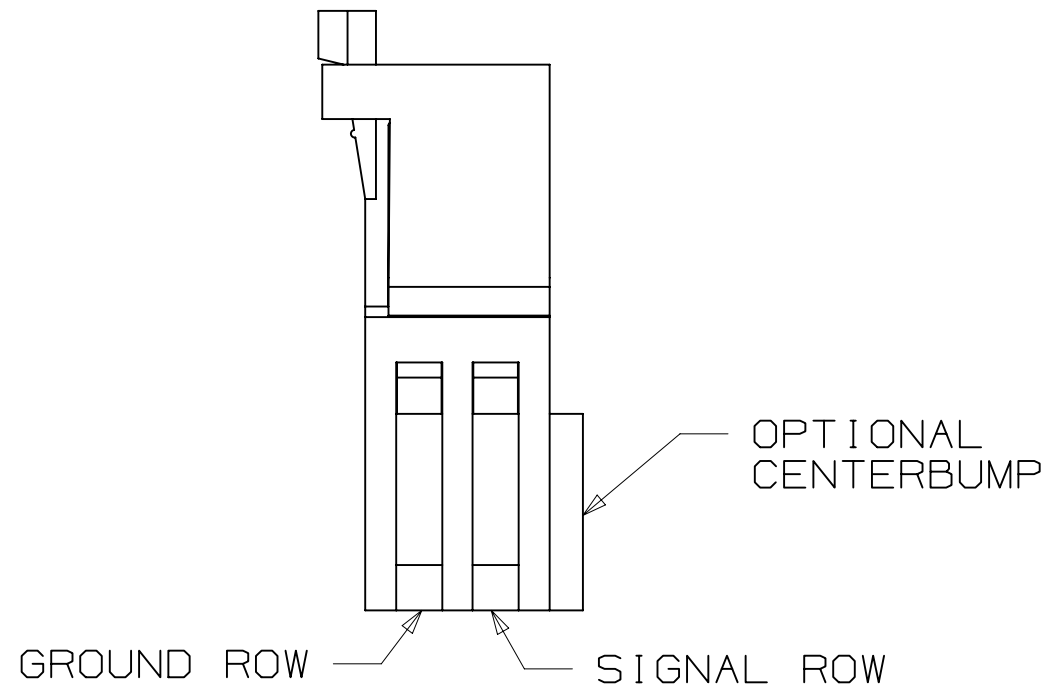
.100" ASSEMBLY HARDWARE



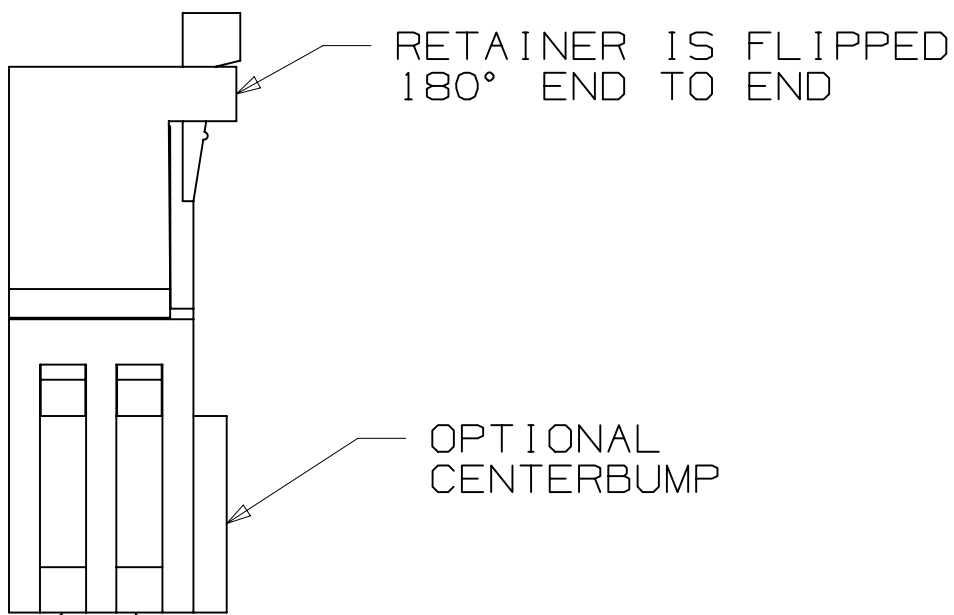
98XX-PSMO  
NORMAL "MO" RETENTION STYLE



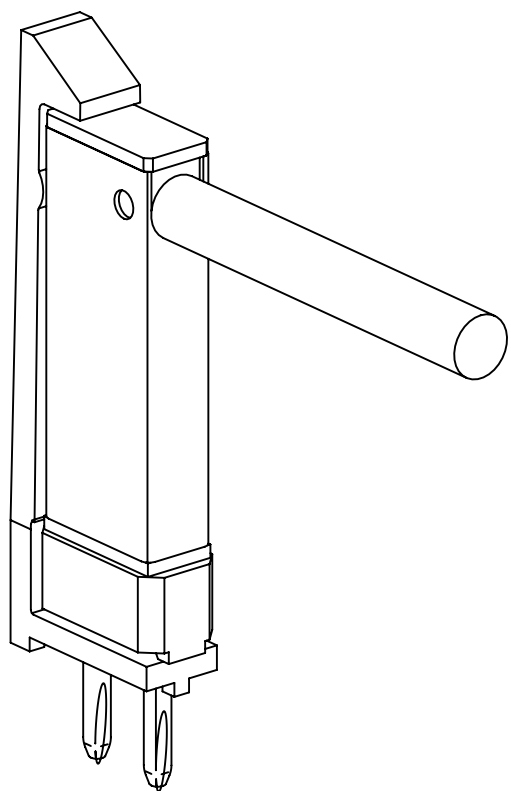
98XX-PSMR  
REVERSE "MR" RETENTION STYLE



SIGNAL ROW GROUND ROW



SIGNAL ROW GROUND ROW



NOTE:  
1) PIN STRIP LATCH IS FOR USE WITH  
.100 SCI, RIGHT ANGLE CONNECTOR  
TYPE 22 ONLY.  
(SEE TECH SHEET TS-0803)

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

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

2 ROW CARRIER HOUSING

- \* CARRIERS AVAILABLE IN 3M .100" X .100" (2.54MM X 2.54MM) SOCKET.
- \* COMPATIBLE WITH ALL 3M .100" X .100" (2.54MM X 2.54MM) HEADERS.
- \* AVAILABLE IN SHORT OR LONG LATCH STYLES. CHECK STYLE FOR MATCH.

3 X 7 CARRIER HOUSING

- \* INTEGRAL LOCKING FEATURE.
- \* INCLUDES TWO RETENTION CLIPS.

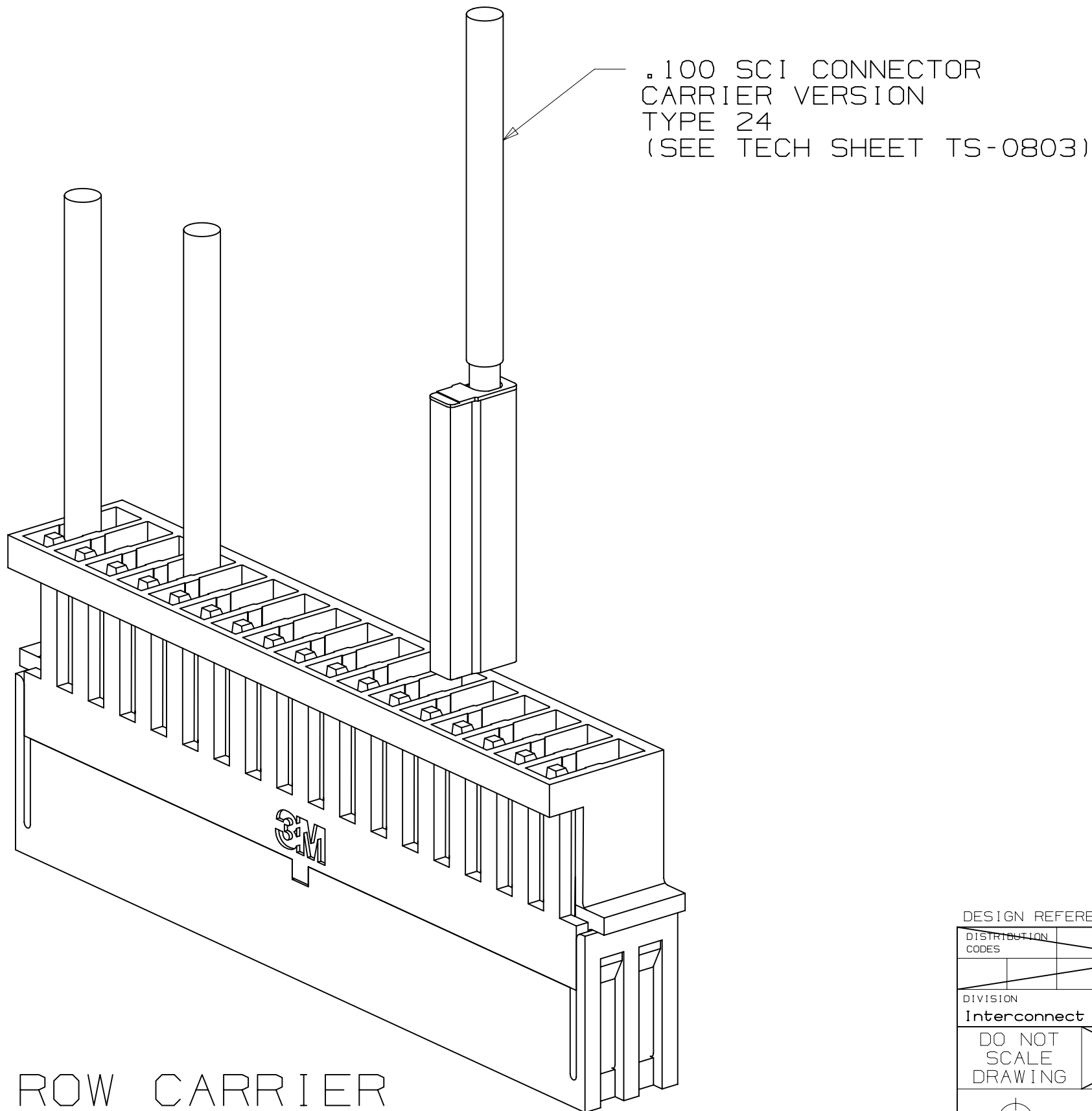
PIN STRIP LATCH

- \* AVAILABLE FOR THE RIGHT ANGLE SCI CONNECTOR.
- \* RoHS COMPLIANT

PHYSICAL :

INSULATION MATERIAL:

- 2 ROW CARRIER: POLYCARBONATE
- 3 X 7 CARRIER: GLASS REINFORCED POLYESTER
- COLOR: BLACK
- FLAMMABILITY: UL 94V-0
- MARKINGS: 3M LOGO
- CONTACTS: COPPER ALLOY

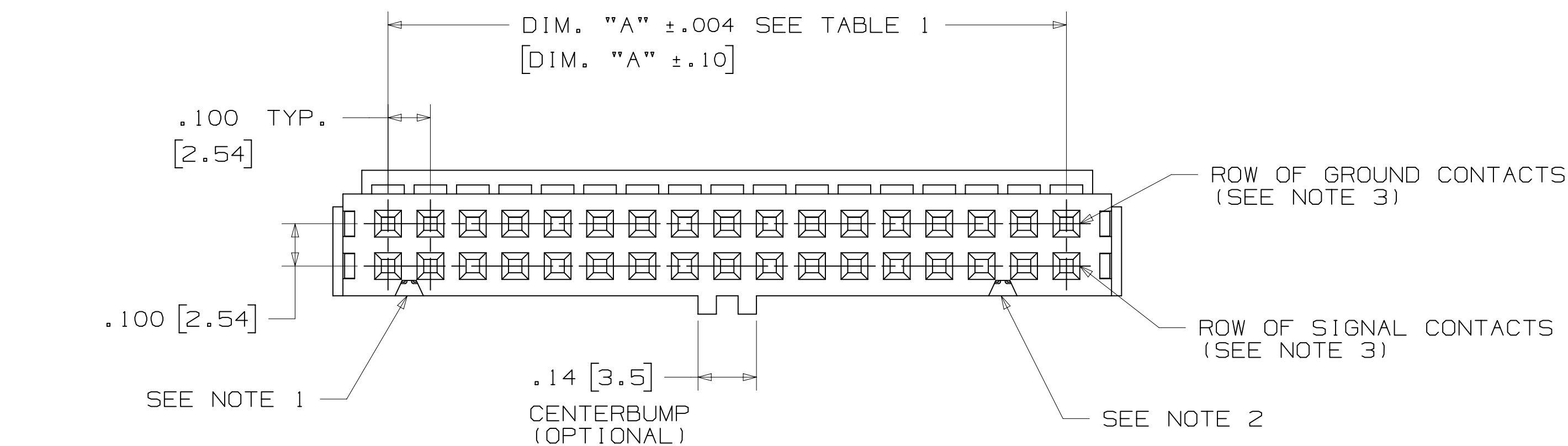


2 ROW CARRIER

1. REGULATORY INFORMATION:  
ROHS COMPLIANT. SEE THE  
REGULATORY INFORMATION  
APPENDIX (RIA) IN THE  
"ROHS COMPLIANCE" SECTION  
OF [WWW.3MCONNECTORS.COM](http://WWW.3MCONNECTORS.COM) FOR  
COMPLIANCE INFORMATION.
2. IN THE EVENT OF CONFLICT  
BETWEEN THIS DATA AND THAT  
CONTAINED IN THE PRODUCT  
SPECIFICATION, THE PRODUCT  
SPECIFICATION TAKES PRECEDENT.

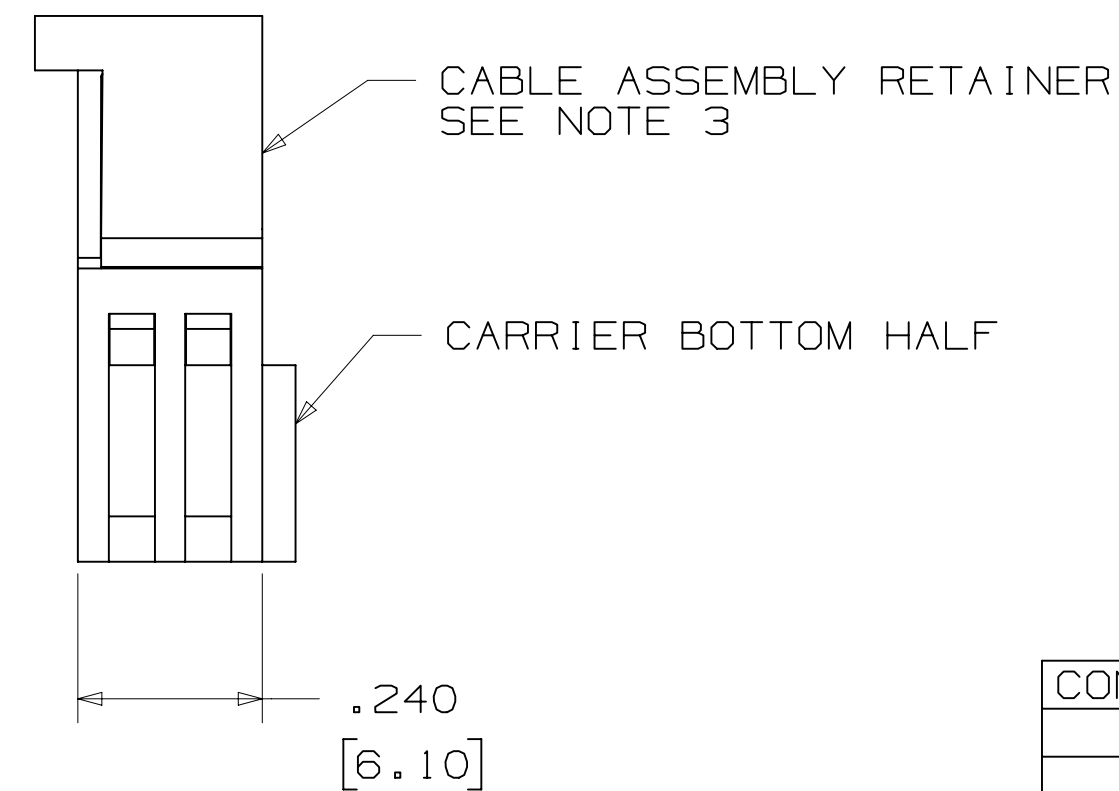
|                        |  |                                 |  |             |     |                            |  |                                     |      |
|------------------------|--|---------------------------------|--|-------------|-----|----------------------------|--|-------------------------------------|------|
| DESIGN REFERENCE       |  | NEXT ASSEMBLY                   |  | REV         | ECO | ISSUE DATE AND DESCRIPTION |  | DRFT                                | CHKD |
| DIVISION               |  | DIVISION CODE                   |  | DATE        |     | DATE                       |  | DATE                                |      |
| Interconnect Solutions |  | ISD                             |  | JAN 03,2013 |     | JAN 03,2013                |  | JAN 03,2013                         |      |
| DO NOT SCALE DRAWING   |  | TOLERANCES EXCEPT AS NOTED      |  | INCHES      |     | MILLIMETERS                |  | TITLE                               |      |
| THIRD ANGLE PROJECTION |  | INTERPRET PER ASME Y14.5 - 1994 |  | .00 ± .01   |     | 0 ± .13                    |  | ASSEMBLY HARDWARE, .100 SCI CARRIER |      |
| MAX SURFACE ROUGHNESS  |  | CAGE NUMBER                     |  | .00 ± .005  |     | D 78-5100-0802-8           |  | REV. B                              |      |
| MARKED SURFACES        |  | MODEL                           |  | .000 ± .000 |     | DET                        |  | SHT 1 OF 3                          |      |
| MARKED ONLY            |  | LISTS                           |  | YES         |     | NO                         |  |                                     |      |

.100" ASSEMBLY HARDWARE



CARRIER STYLE: \_\_\_\_\_

PS = CENTERBUMP, SHORT LATCHES  
NS = NO CENTERBUMP, SHORT LATCHES  
PL = CENTERBUMP, LONG LATCHES  
NL = NO CENTERBUMP, LONG LATCHES



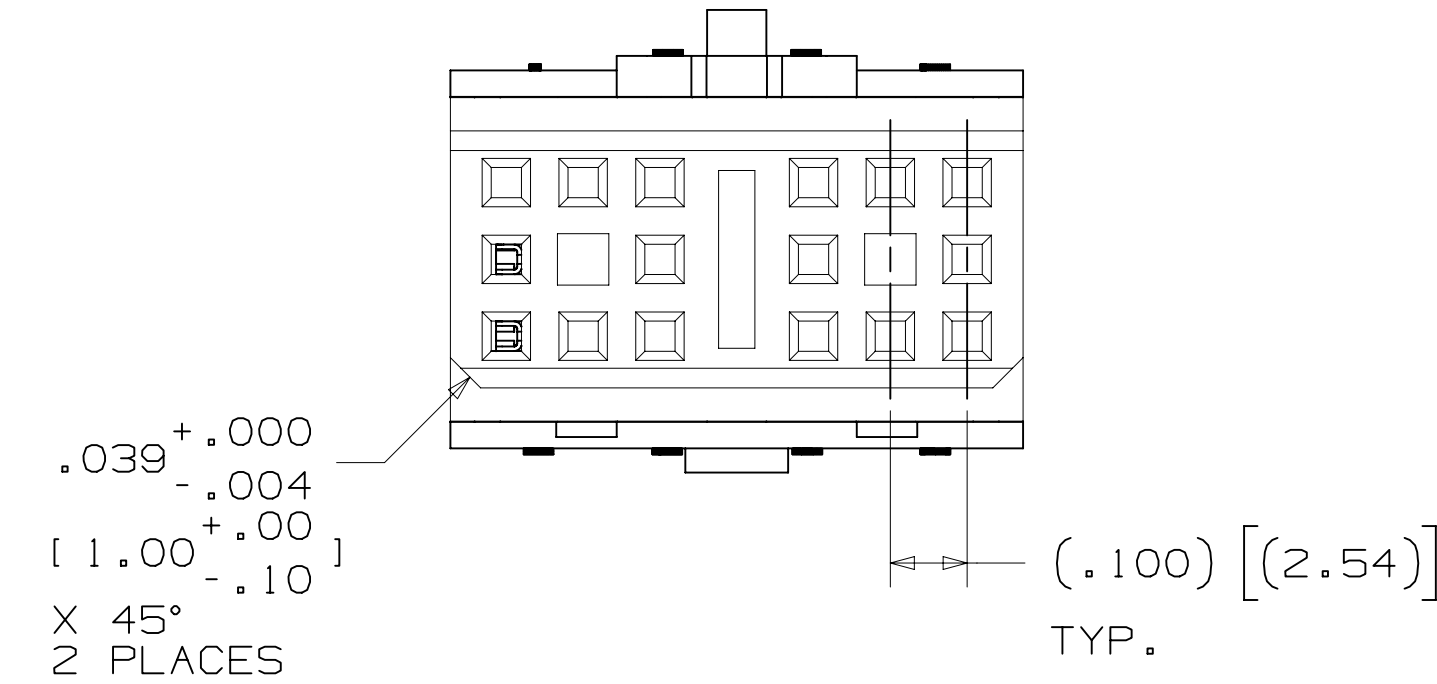
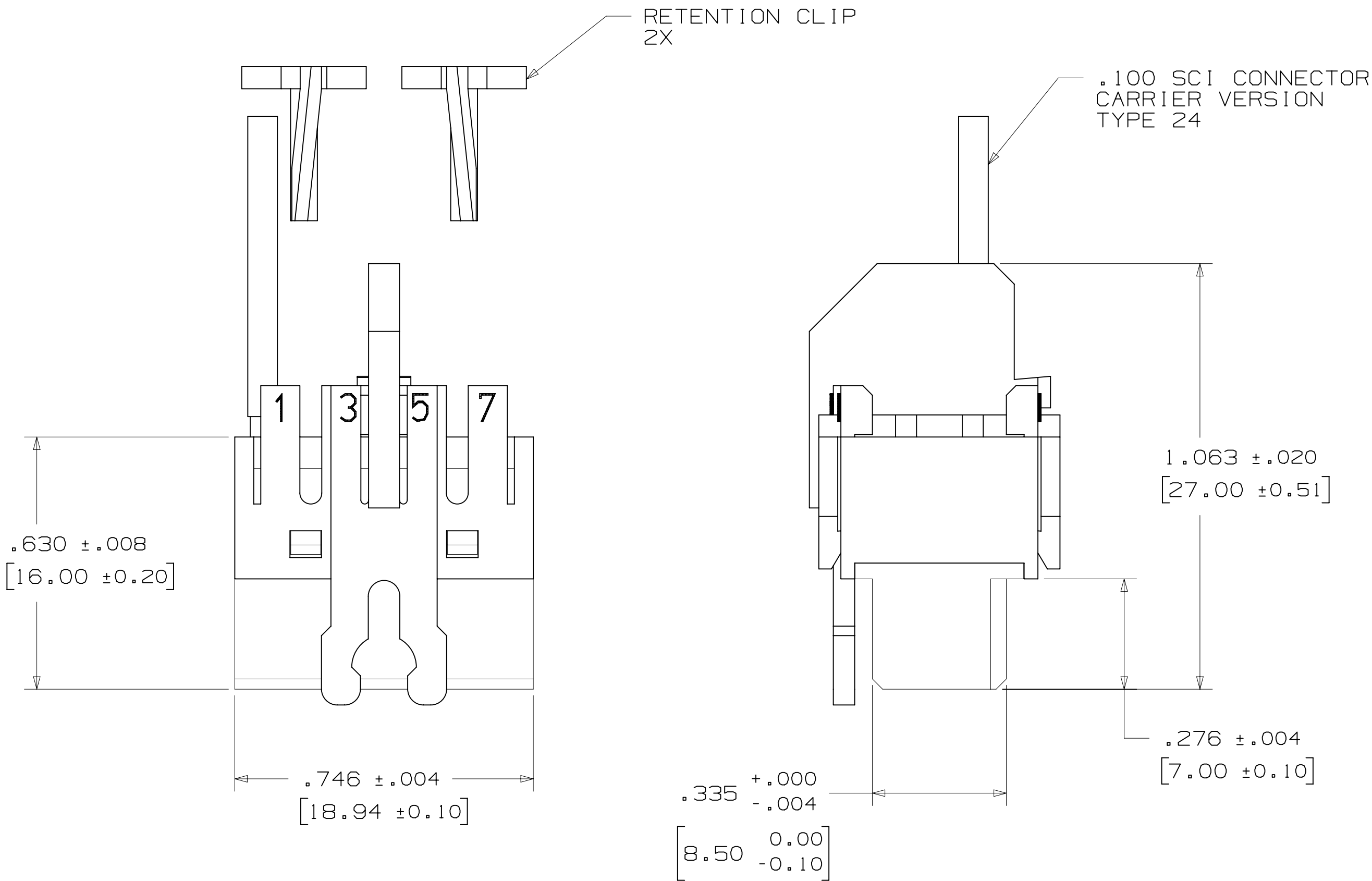
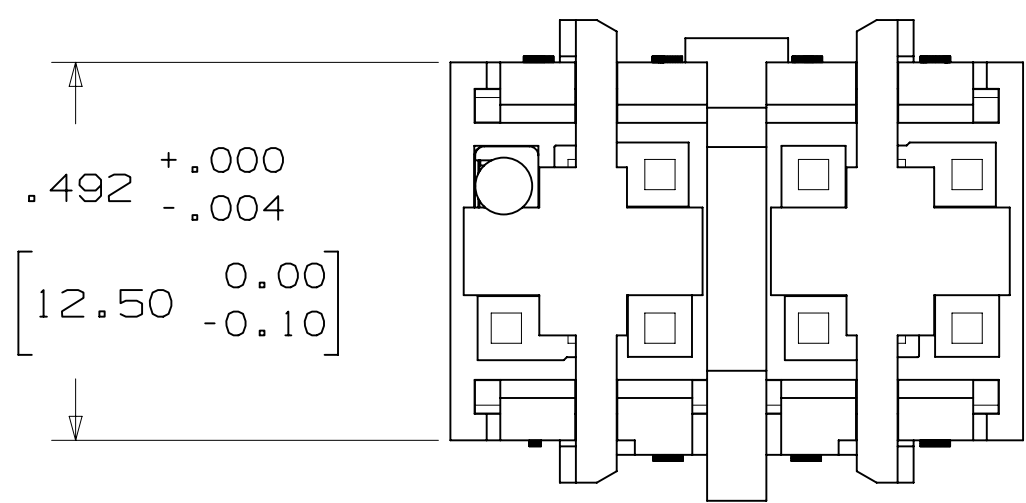
| CONTACT QTY. | DIM. "A"       | DIM. "B"       | DIM. "C"       | DIM. "D"       |
|--------------|----------------|----------------|----------------|----------------|
| 06           | .20 [ 5.08 ]   | .41 [ 10.48 ]  | .32 [ 8.22 ]   | .46 [ 11.68 ]  |
| 08           | .30 [ 7.62 ]   | .51 [ 13.02 ]  | .42 [ 10.76 ]  | .56 [ 14.22 ]  |
| * 10         | .40 [ 10.16 ]  | .61 [ 15.56 ]  | .52 [ 13.30 ]  | .66 [ 16.76 ]  |
| 12           | .50 [ 12.70 ]  | .71 [ 18.10 ]  | .62 [ 15.84 ]  | .76 [ 19.30 ]  |
| * 14         | .60 [ 15.24 ]  | .81 [ 20.64 ]  | .72 [ 18.38 ]  | .86 [ 21.84 ]  |
| * 16         | .70 [ 17.78 ]  | .91 [ 23.18 ]  | .82 [ 20.92 ]  | .96 [ 24.38 ]  |
| * 20         | .90 [ 22.86 ]  | 1.11 [ 28.26 ] | 1.02 [ 26.00 ] | 1.16 [ 29.46 ] |
| * 26         | 1.20 [ 30.48 ] | 1.41 [ 35.88 ] | 1.32 [ 33.62 ] | 1.46 [ 37.08 ] |
| 30           | 1.40 [ 35.56 ] | 1.61 [ 40.96 ] | 1.52 [ 38.70 ] | 1.66 [ 42.16 ] |
| * 34         | 1.60 [ 40.64 ] | 1.81 [ 46.04 ] | 1.72 [ 43.78 ] | 1.86 [ 47.24 ] |
| * 40         | 1.90 [ 48.26 ] | 2.11 [ 53.66 ] | 2.02 [ 51.40 ] | 2.16 [ 54.86 ] |
| * 50         | 2.40 [ 60.96 ] | 2.61 [ 66.36 ] | 2.52 [ 64.10 ] | 2.66 [ 67.56 ] |
| 60           | 2.90 [ 73.66 ] | 3.11 [ 79.06 ] | 3.02 [ 76.80 ] | 3.16 [ 80.26 ] |
| * 64         | 3.10 [ 78.74 ] | 3.31 [ 84.14 ] | 3.22 [ 81.88 ] | 3.36 [ 85.34 ] |

\* TOOLED POSITIONS: CONTACT 3M SALES FOR ADDITIONAL POSITIONS

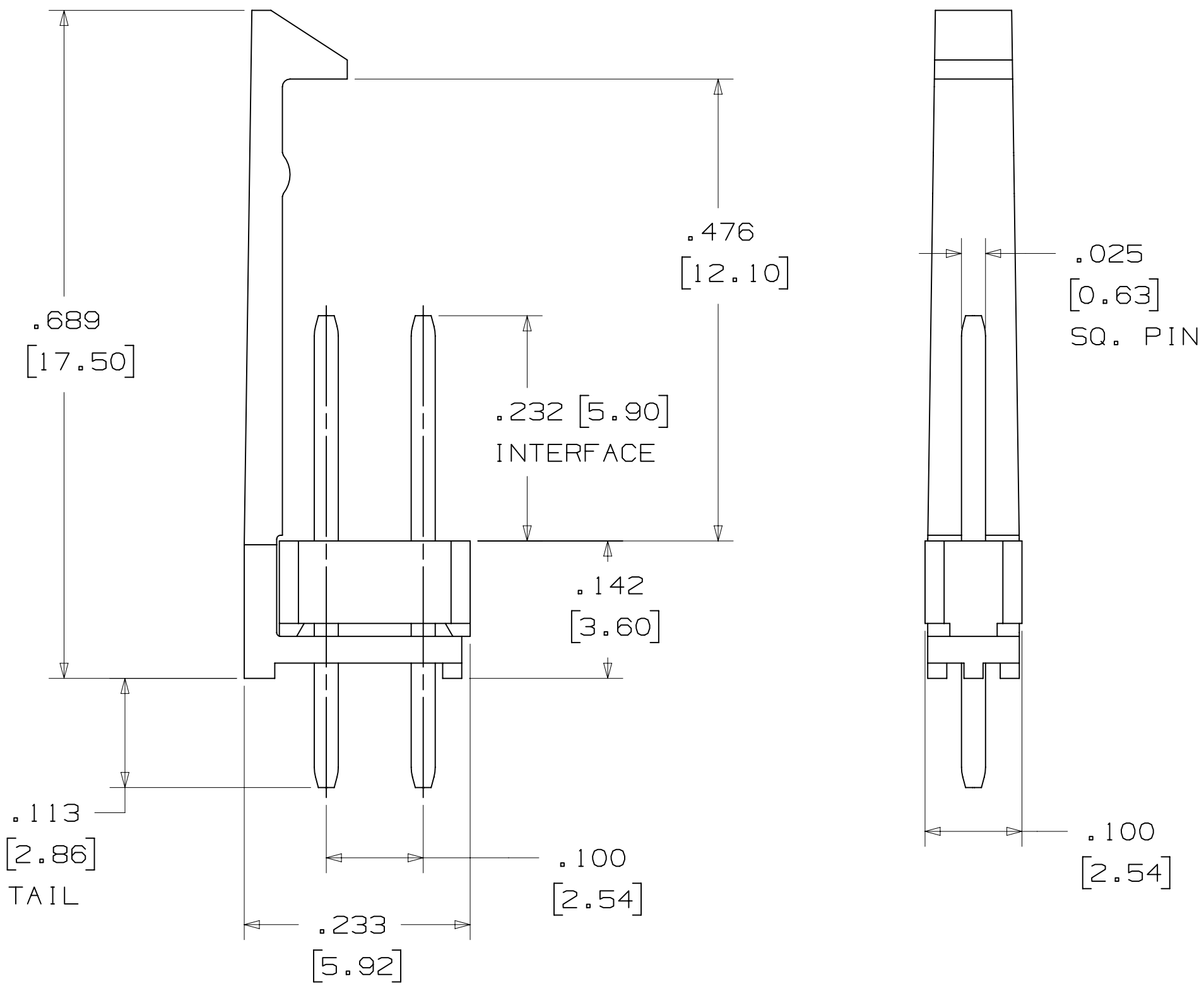


|                                                                                               |  |                                                                                                            |  |                                                                                                                                                                                                                                                   |  |
|-----------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| DESIGN REFERENCE                                                                              |  | NEXT ASSEMBLY                                                                                              |  | B   44714   JAN 03,2013   JNC   RS<br>REVISED AND REDRAWN                                                                                                                                                                                         |  |
| REV                                                                                           |  | ECO                                                                                                        |  | ISSUE DATE AND DESCRIPTION<br>DATE JAN 03,2013 MFG DATE<br>CHKD DATE                                                                                                                                                                              |  |
| DIST. REFERENCE CODE                                                                          |  | CAST16L1ONE<br>CHKD DATE                                                                                   |  | APPRV. L. SCHERER<br>DATE JAN 03,2013                                                                                                                                                                                                             |  |
| DIVISION<br><b>Interconnect Solutions</b><br>DO NOT SCALE DRAWING                             |  | DIVISION CODE<br><b>ISD</b><br>TOLERANCES EXCEPT AS NOTED                                                  |  | © 3M COPYRIGHT 2013<br>This drawing and the information it contains on 3M property and may not be reproduced or further distributed without 3M prior written consent or disclosed otherwise than for 3M authorized purposes. All rights reserved. |  |
| THIRD ANGLE PROJECTION<br>INTERPRET PER ASME Y14.5 - 1994                                     |  | INCHES<br>.01 ±<br>.00 ±.01<br>.000 ±.005<br>.0000 ±<br>MILLIMETERS<br>0 ±<br>.0 ±.3<br>.00 ±.13<br>.000 ± |  | TITLE<br>ASSEMBLY HARDWARE ,<br>100 SCI CARRIER                                                                                                                                                                                                   |  |
| MAX. SURFACE ROUGHNESS<br>125 µin SURFACES<br><input checked="" type="checkbox"/> MARKED ONLY |  | ANGLE                                                                                                      |  | CAGE NUMBER<br>SIZE<br>DRAWING NO.<br><b>D</b> 78-5100-0802-8   REV. B                                                                                                                                                                            |  |
|                                                                                               |  | MODEL                                                                                                      |  | DET. LISTS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br>SHT 2 OF 3                                                                                                                                                      |  |

3M™ SHIELDED CONTROLLED IMPEDANCE (SCI)  
.100" ASSEMBLY HARDWARE



ORDERING INFORMATION  
3 X 7 CARRIER HOUSING  
9821-5000



ORDERING INFORMATION  
PIN STRIP WITH LATCH  
2402-3505 RC

|                        |  |                                 |  |             |             |                            |  |                            |             |
|------------------------|--|---------------------------------|--|-------------|-------------|----------------------------|--|----------------------------|-------------|
| DESIGN REFERENCE       |  | NEXT ASSEMBLY                   |  | REV         | ECO         | ISSUE DATE AND DESCRIPTION |  | DRFT                       | CHKD        |
| DIVISION               |  | DIVISION CODE                   |  | DATE        | DATE        | MFG                        |  | DATE                       | DATE        |
| Interconnect Solutions |  | ISD                             |  | JAN 03,2013 | JAN 03,2013 | R. SCHERER                 |  | JAN 03,2013                | JAN 03,2013 |
| DO NOT SCALE DRAWING   |  | TOLERANCES EXCEPT AS NOTED      |  | INCHES      |             | MILLIMETERS                |  | TOLERANCES EXCEPT AS NOTED |             |
| THIRD ANGLE PROJECTION |  | INTERPRET PER ASME Y14.5 - 1994 |  | .00 ±.01    |             | .00 ±.01                   |  | .00 ±.01                   |             |
| MAX SURFACE ROUGHNESS  |  | SURFACES                        |  | .00 ±.13    |             | .00 ±.13                   |  | .00 ±.13                   |             |
| MARKED ONLY            |  | ANGLES                          |  | 3           |             | 3                          |  | 3                          |             |
| CAGE NUMBER            |  | SIZE                            |  | DRAWING NO. |             | REV.                       |  | REV.                       |             |
| D                      |  | 78-5100-0802-8                  |  | B           |             | B                          |  | B                          |             |
| MODEL                  |  | DET                             |  | YES         |             | NO                         |  | SHT 3 OF 3                 |             |