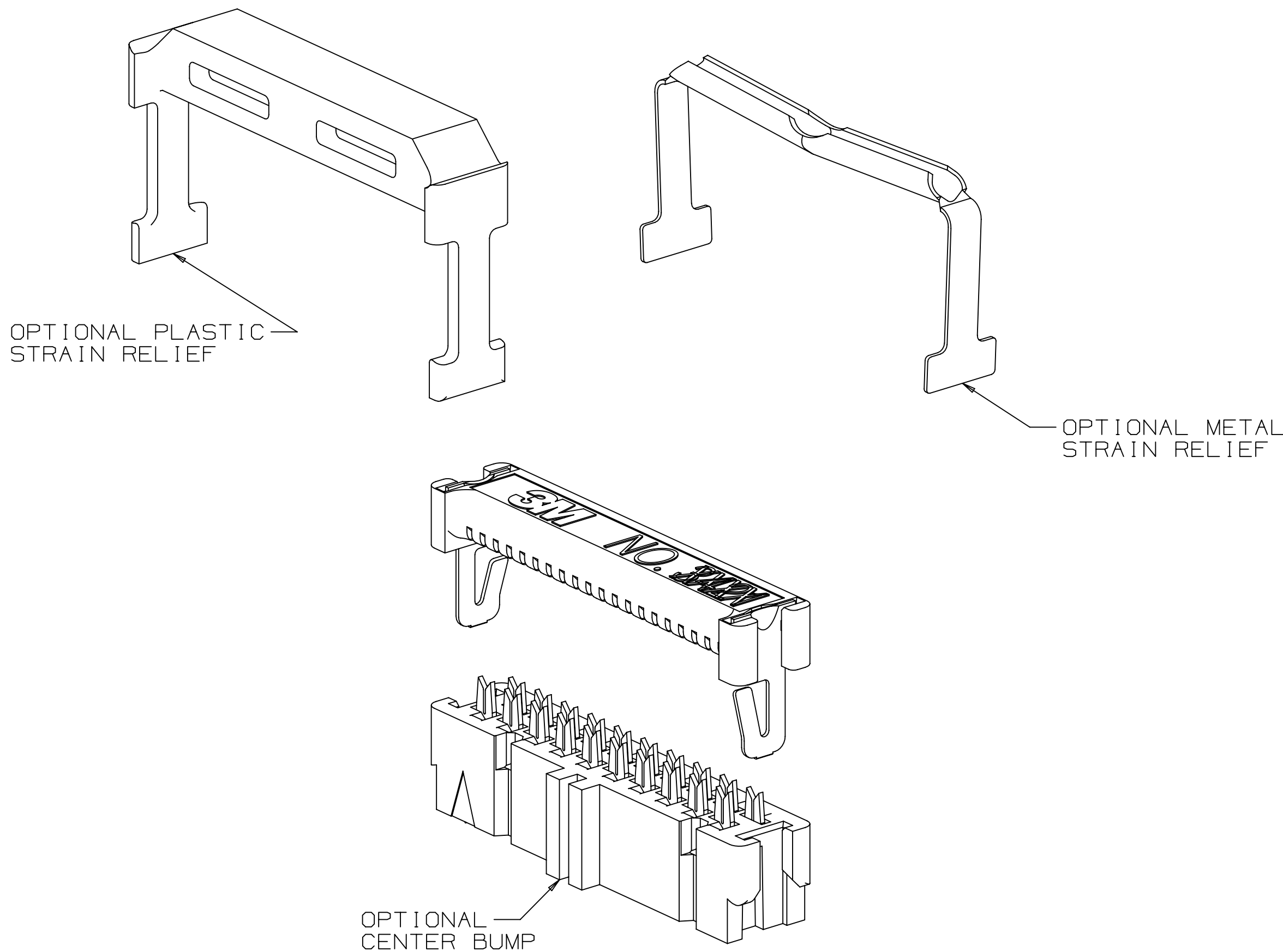


3M™ WIREMOUNT SOCKET, 3000 SERIES  
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



- \* INDUSTRY STANDARD IDC SOCKET.
- \* POSITIVE LOCKING METAL "J" CLIPS PROVIDE HIGH COVER RETENTION.
- \* MATES WITH 3M HEADERS, PLUGS AND PIN STRIPS FOR QUICK CONNECT/DISCONNECT CAPABILITY.
- \* OPEN OR CLOSED END COVERS AVAILABLE.
- \* ACCEPTS FLAT CABLE OR DISCRETE WIRE.
- \* MILITARY POLARIZATION, WITH OR WITHOUT CENTER BUMP.
- \* TRANSFER ADHESIVE ON COVERS PROVIDES PRECISION ALIGNMENT BETWEEN CONNECTOR AND CABLES RESULTING IN HIGH YIELD TERMINATIONS.
- \* AVAILABILITY OF PULL TAB TO FACILITATE PROPER UNPLUGGING.
- \* AVAILABILITY OF 2 TYPES OF STRAIN RELIEF (STANDARD AND LOW PROFILE) TO ISOLATE THE IDC INTERFACE.
- \* SET THE STANDARD FOR MIL SPEC AND IEC STANDARDIZATION.
- \* AVAILABILITY OF MILITARY AND CENTER BUMP POLARIZATION.

2 PHYSICAL :

INSULATION: MATERIAL: GLASS FILLED POLYESTER (PBT)  
FLAMMABILITY: UL94V-0  
COLOR: GRAY  
CONTACT: MATERIAL: COPPER ALLOY  
J-CLIP: STAINLESS STEEL  
PLATING: UNDER PLATING AND U-SLOT: 100μ" [2.54μm] AVG. NICKEL-OVERALL  
WIPING AREA: 30μ" [0.76μm] AVG. GOLD  
WIRE ACCOMMODATION: 26 AND 28 AWG SOLID AND STRANDED  
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER, ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING:

|        | 1 LINE | 6 ADJACENT LINES | ALL LINES |
|--------|--------|------------------|-----------|
| 28 AWG | 4.50   | 1.75             | 1.00      |
| 26 AWG | 4.75   | 2.00             | 1.00      |

RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM TEMPERATURE RISE, 20% DERATED. REFERENCE APPROPRIATE 3M PRODUCT SPECIFICATION FOR CURRENT DERATING CURVES.

INSULATION RESISTANCE: >1 X 10<sup>9</sup>Ω AT 500 V<sub>DC</sub>  
WITHSTANDING VOLTAGE: 1,000V<sub>RMS</sub> AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO +105°

ORDERING INFORMATION  
SOCKETS

XXXX-XXXX

SOCKET SERIES:  
(SEE TABLE 1)

STRAIN RELIEF:  
00 = NO STRAIN RELIEF  
XX = CONTACT QUANTITY FOR  
PLASTIC STRAIN RELIEF  
10 THRU 60 POSITION  
(I.E. 50 FOR A 50 POS)  
05 = PLASTIC STRAIN RELIEF  
6 AND 8 POSITION  
06 = METAL STRAIN RELIEF  
10 THRU 60 POSITION

POLARIZATION:  
0 = MILITARY (DUAL SLOT)  
6 = CENTER BUMP AND MILITARY

COVER:  
6 = OPEN END  
(FOR DAISY CHANING OR BUSSING)  
7 = CLOSED END  
(FOR END CABLE TERMINATION)  
(10 TO 60 POSITION ONLY)

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION  
INTERCONNECT SOLUTIONS  
<http://www.3M.com/interconnect>

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

**UL**  
UL FILE NO: E68080

(ORDER SEPARATELY)  
SEE TS-0720

ORDERING INFORMATION  
STRAIN RELIEF

3448-X0XX

TYPE:  
2 = METAL, LOW PROFILE  
10 THRU 60 POSITION  
(SEE NOTE 3)  
3 = PLASTIC

XX = CONTACT QUANTITY  
SEE TABLE 1  
(I.E. 50 FOR A  
50 POSITION STRAIN  
RELIEF)

ORDERING INFORMATION  
KEYING PLUG

3435-0000

ORDERING INFORMATION  
PULL TABS

3490-X

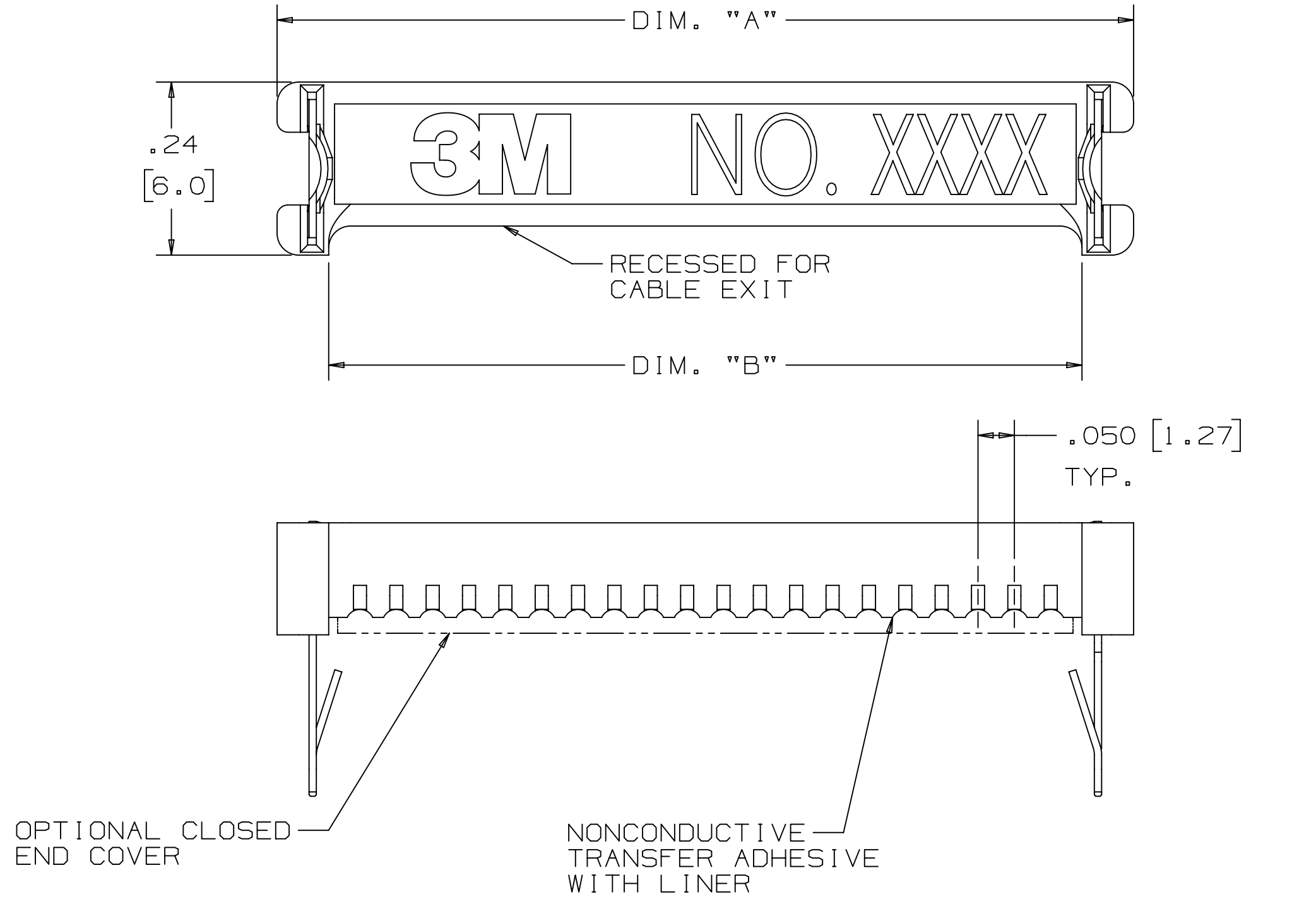
NOTE:  
ASSEMBLY TOOLS:  
3M PRESS (OR EQUIVALENT): 3640  
3M LOCATOR PLATE: 3443-94  
3M PLATTN: 3442-9

- NOTES
1. REGULATORY INFORMATION:  
VISIT [3M.com/regs](http://3M.com/regs)
  2. 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.
  3. THIS POLARIZING GROOVE IS  
NON-EXISTENT ON 3863, 3868,  
3385 AND 3473 SERIES.
  4. THIS POLARIZING GROOVE IS  
NON-EXISTENT ON 3863 SERIES  
FOR POLARIZATION OPTION 6.
  5. THE LOW PROFILE STRAIN RELIEF  
CAN BE USED WITH THE 4600 SERIES  
PLUG AND .100 X .100 HEADERS  
WITH EJECTOR LATCHES. THE LATCHES  
WILL ONLY FUNCTION AS AN EJECTOR.
  6. TAPERED PIN TIP CONFIGURATION  
RECOMMENDED.
  7. DIMENSION MEASURED AT TIP OF  
PINS.

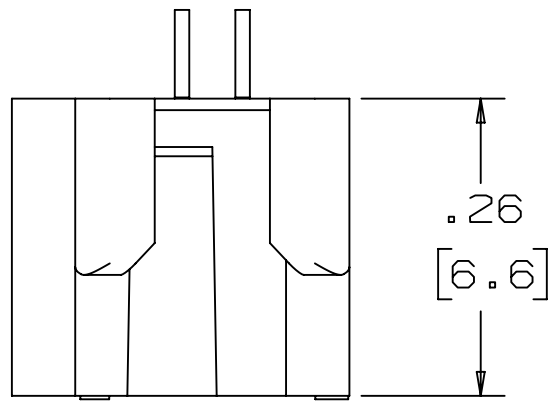
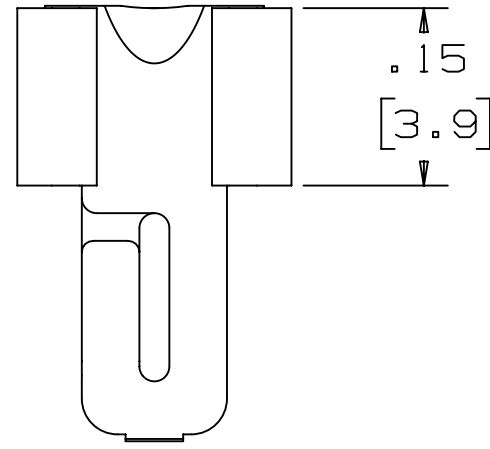
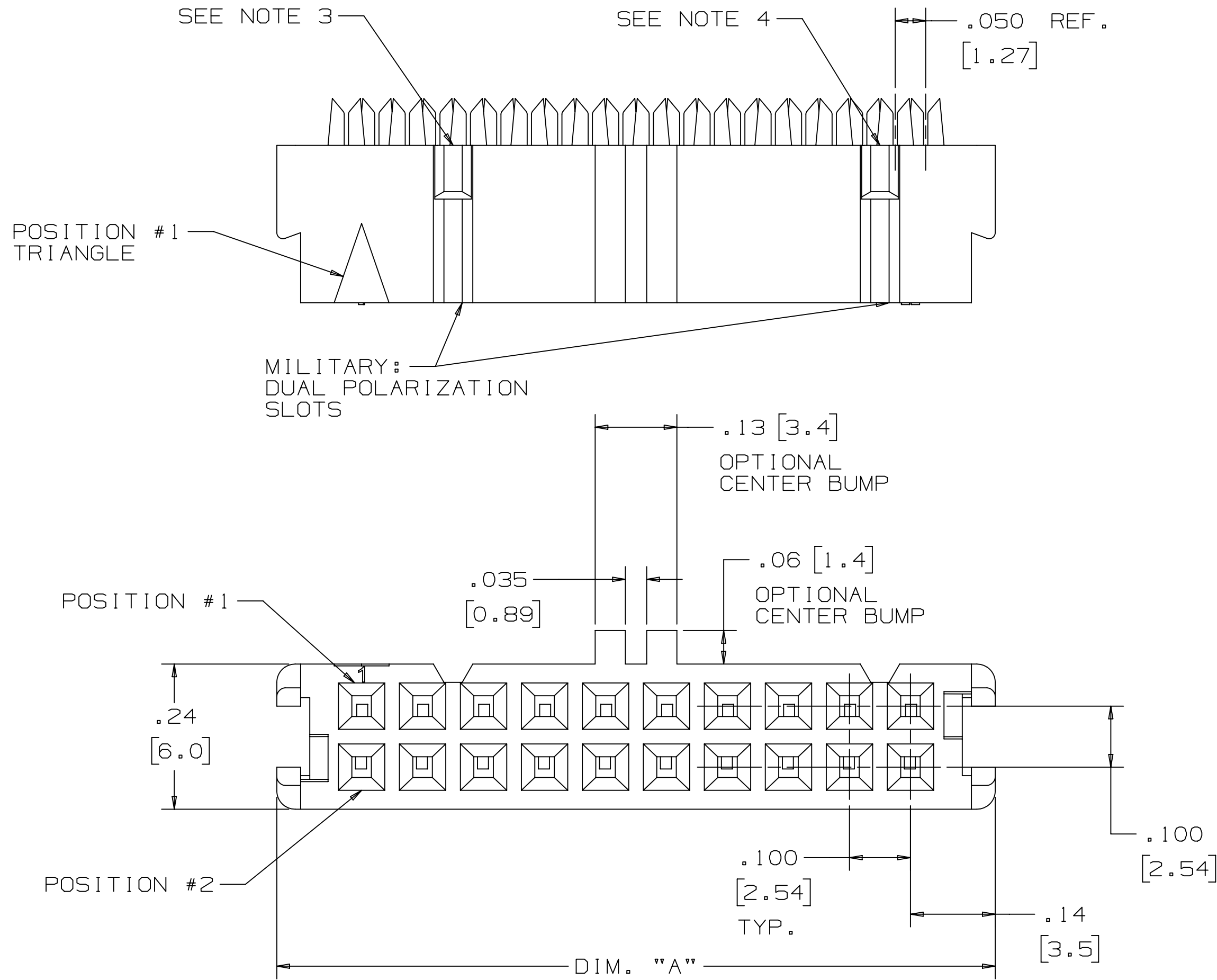
DIMENSIONS: INCHES [MM]  
[MM] IS REF. ONLY

|                        |                                                          |                            |        |                            |              |              |
|------------------------|----------------------------------------------------------|----------------------------|--------|----------------------------|--------------|--------------|
| DESIGN REFERENCE       | NEXT ASSEMBLY                                            | REV                        | ECO    | ISSUE DATE AND DESCRIPTION | DRFT         | CHKD         |
| XXXX                   | XXXX                                                     | ECO                        | ECO    | ISSUE DATE AND DESCRIPTION | DRFT         | CHKD         |
| DIVISION               | DIVISION CODE                                            | DRFT                       | CHKD   | DATE                       | DATE         | DATE         |
| DO NOT SCALE DRAWING   | SCALE                                                    | TOLERANCES EXCEPT AS NOTED | INCHES | 0.0 ± .1                   | 0.00 ± .01   | 0.000 ± .005 |
| THIRD ANGLE PROJECTION | INTERPRET PER ASME Y14.5 - 2018                          | MILLIMETERS                | 0 ± .1 | 0.0 ± .01                  | 0.000 ± .005 | 0.000 ± .005 |
| MAX. SURFACE ROUGHNESS | ALL SURFACES                                             | MARKED ONLY                | 0 ± .1 | 0.0 ± .01                  | 0.000 ± .005 | 0.000 ± .005 |
| TITLE                  | WIREMOUNT SOCKET,<br>.100" X .100", .050"<br>PITCH CABLE | CAGE NUMBER                | SIZE   | DRAWING NO.                | REV.         | MODEL        |
| 3M                     | 3M Center<br>St. Paul,<br>MN 55144                       | 78-5100-0718-6             | D      | 3000                       | G            | 3000         |
| LISTS                  | YES                                                      | NO                         | SHT    | 1                          | OF           | 4            |

3M™ WIREMOUNT SOCKET, 3000 SERIES  
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



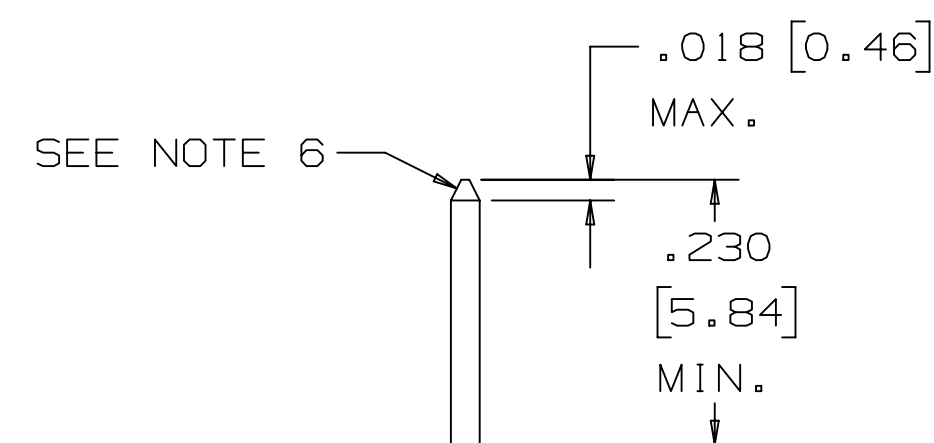
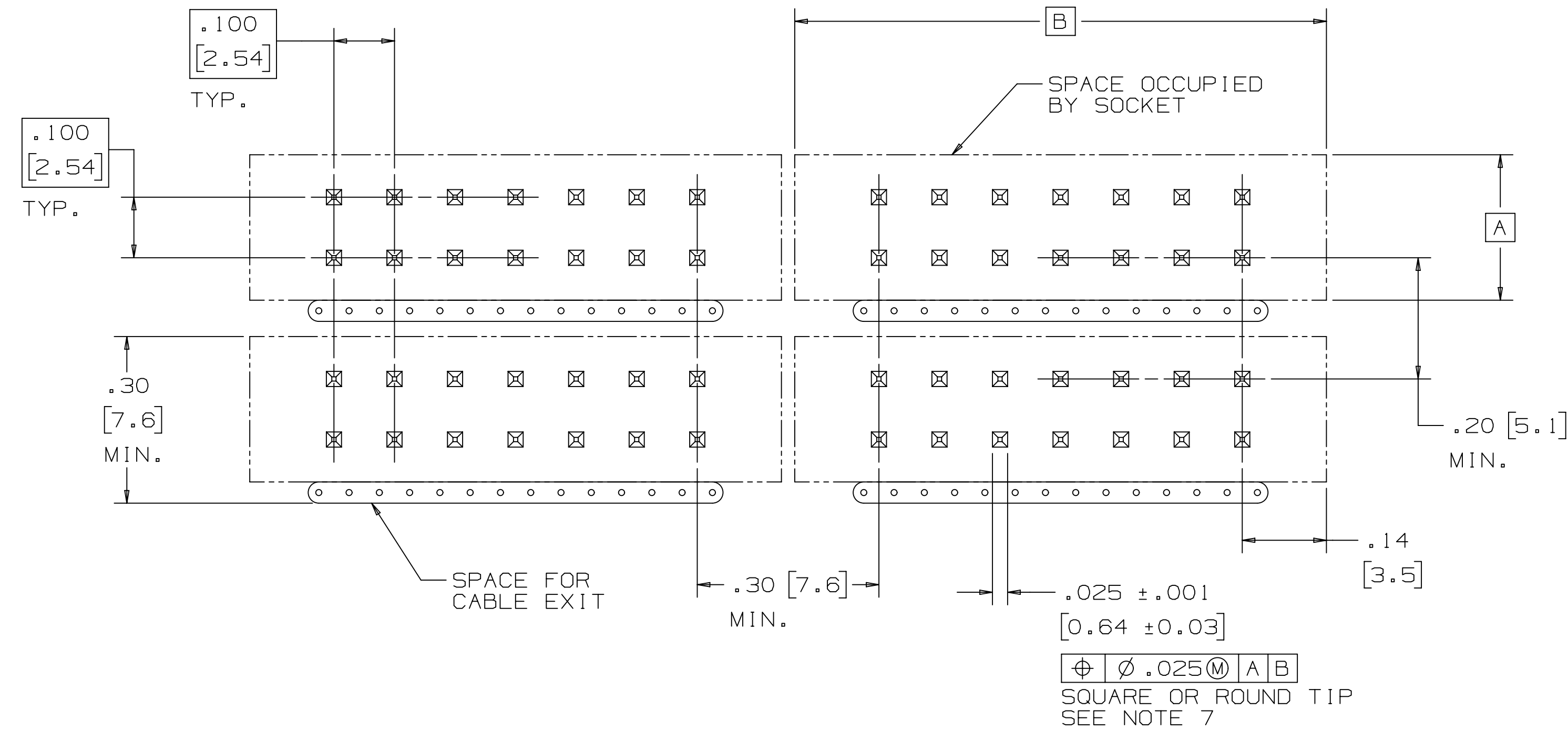
COVER ASSEMBLY



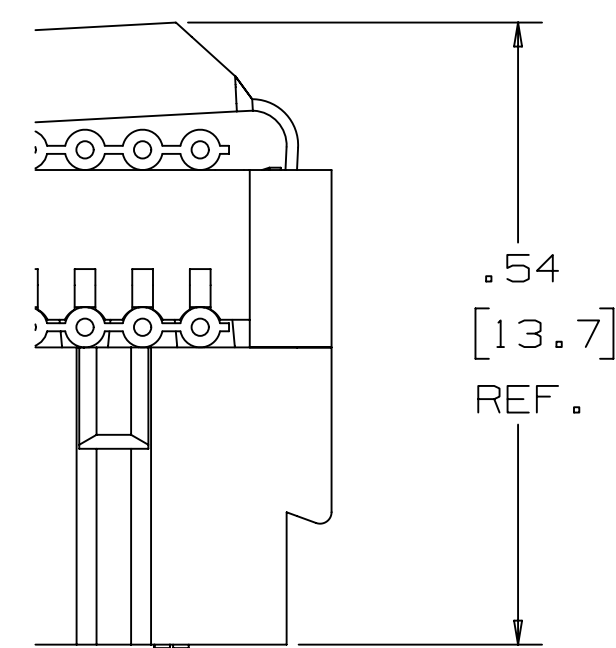
| TABLE 1      |               |               |               |
|--------------|---------------|---------------|---------------|
| CONTACT QTY. | SOCKET SERIES | DIM. "A"      | DIM. "B"      |
| 06           | 3863          | 0.48 [ 12.2 ] | 0.34 [ 8.6 ]  |
| 08           | 3868          | 0.58 [ 14.7 ] | 0.44 [ 11.2 ] |
| 10           | 3473          | 0.68 [ 17.3 ] | 0.54 [ 13.7 ] |
| 14           | 3385          | 0.88 [ 22.4 ] | 0.74 [ 18.8 ] |
| 16           | 3452          | 0.98 [ 24.9 ] | 0.84 [ 21.3 ] |
| 20           | 3421          | 1.18 [ 30.0 ] | 1.04 [ 26.4 ] |
| 24           | 3626          | 1.38 [ 35.1 ] | 1.24 [ 31.5 ] |
| 26           | 3399          | 1.48 [ 37.6 ] | 1.34 [ 34.0 ] |
| 30           | 3419          | 1.68 [ 42.7 ] | 1.54 [ 39.1 ] |
| 34           | 3414          | 1.88 [ 47.8 ] | 1.74 [ 44.2 ] |
| 36           | 9436          | 1.98 [ 50.3 ] | 1.84 [ 46.7 ] |
| 40           | 3417          | 2.18 [ 55.4 ] | 2.04 [ 51.8 ] |
| 44           | 9444          | 2.38 [ 60.5 ] | 2.24 [ 56.9 ] |
| 50           | 3425          | 2.68 [ 68.1 ] | 2.54 [ 64.5 ] |
| 60           | 3334          | 3.18 [ 80.8 ] | 3.04 [ 77.2 ] |

|                        |  |                                 |  |                                |  |                                     |  |                                                                                                                                                                                                                        |  |
|------------------------|--|---------------------------------|--|--------------------------------|--|-------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| DESIGN REFERENCE       |  | NEXT ASSEMBLY                   |  | G 97305                        |  | JUN 21, 2021                        |  | JNC SAN                                                                                                                                                                                                                |  |
| REV                    |  | ECO                             |  | ISSUE DATE AND DESCRIPTION     |  | DRFT                                |  | CHKD                                                                                                                                                                                                                   |  |
| DRFT                   |  | CASTIGLIONE                     |  | DATE JUN 21, 2021              |  | MFS                                 |  | DATE                                                                                                                                                                                                                   |  |
| CHKD                   |  | DATE                            |  | APPR                           |  | S. NEU                              |  | DATE JUN 22, 2021                                                                                                                                                                                                      |  |
| DIVISION               |  | DIVISION CODE                   |  | EMSD                           |  | 3M                                  |  | 3M Center<br>St. Paul,<br>MN 55144                                                                                                                                                                                     |  |
| DO NOT SCALE DRAWING   |  | SCALE 6/1                       |  | TOLERANCES EXCEPT AS NOTED     |  | © 3M COPYRIGHT 2021                 |  | 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 - 2018 |  | INCHES 0 ± .000 ± .000 ± .0002 |  | MILLIMETERS 0 ± .000 ± .000 ± .0002 |  | TITLE WIREMOUNT SOCKET, .100" X .100", .050" PITCH CABLE                                                                                                                                                               |  |
| MAX. SURFACE ROUGHNESS |  | ALL SURFACES                    |  | MARKED ONLY                    |  | CAGE NUMBER D78-5100-0718-6         |  | REV. G                                                                                                                                                                                                                 |  |
| MODEL                  |  | 3000                            |  | LISTS                          |  | YES NO                              |  | SHT 2 OF 4                                                                                                                                                                                                             |  |

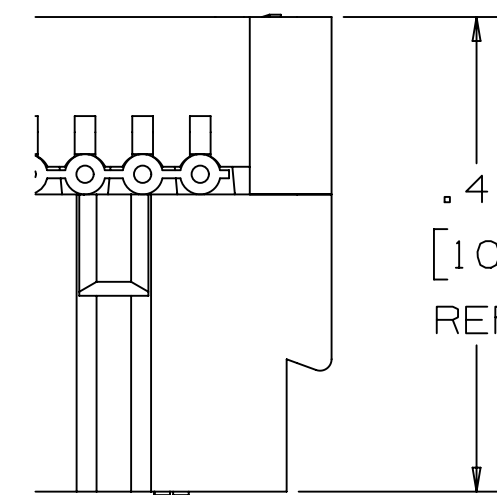
3M™ WIREMOUNT SOCKET, 3000 SERIES  
.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)



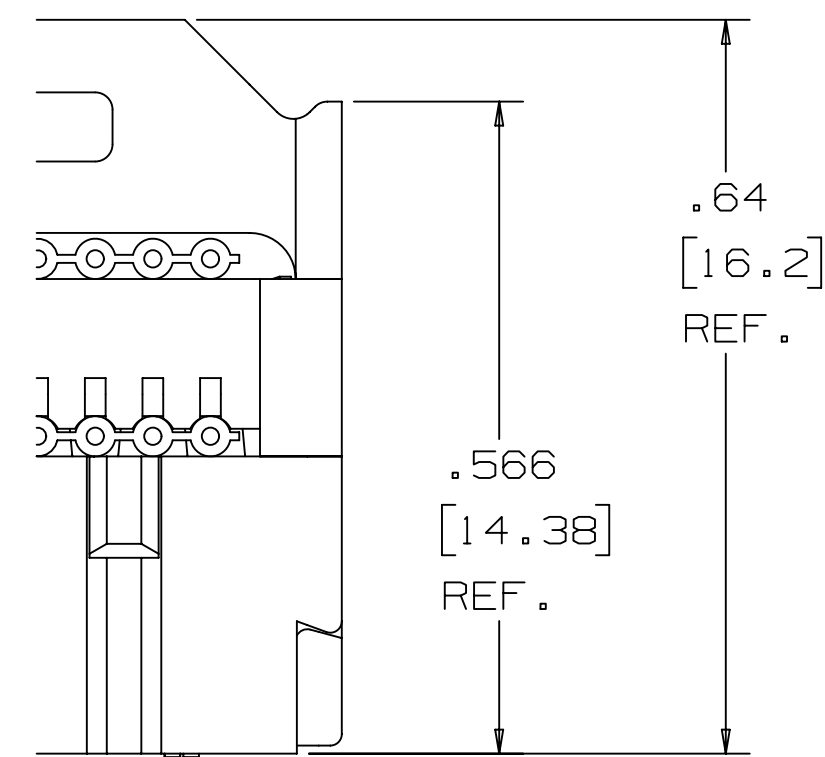
## RECOMMENDED PIN PATTERN FOR STACKED CONFIGURATIONS



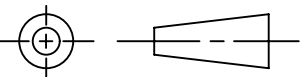
ASSEMBLED HEIGHT  
WITH METAL PROFILE  
STRAIN RELIEF



ASSEMBLED HEIGHT  
WITHOUT STRAIN RELIEF



ASSEMBLED HEIGHT  
WITH PLASTIC  
STRAIN RELIEF

|                                                                                           |  |                                                                                                              |  |                                                                                                                                                                                                                            |  |                                                                                       |  |                   |  |
|-------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-------------------|--|
| G                                                                                         |  | 97305                                                                                                        |  | JUN 21, 2021                                                                                                                                                                                                               |  | JNC                                                                                   |  | SAN               |  |
| REVISED AND REDRAWN                                                                       |  |                                                                                                              |  |                                                                                                                                                                                                                            |  |                                                                                       |  |                   |  |
| DESIGN REFERENCE                                                                          |  | NEXT ASSEMBLY                                                                                                |  | ISSUE DATE AND DESCRIPTION                                                                                                                                                                                                 |  | DRFT                                                                                  |  | CHKD              |  |
| MODIFY CODES                                                                              |  |                                                                                                              |  | DATE JUN 21, 2021                                                                                                                                                                                                          |  | MFG                                                                                   |  | DATE              |  |
|                                                                                           |  |                                                                                                              |  | CHKD                                                                                                                                                                                                                       |  | DATE                                                                                  |  | APPROV. S. NEW    |  |
|                                                                                           |  |                                                                                                              |  |                                                                                                                                                                                                                            |  |                                                                                       |  | DATE JUN 22, 2021 |  |
| DIVISION                                                                                  |  | DIVISION CODE                                                                                                |  | © 3M COPYRIGHT 2021                                                                                                                                                                                                        |  |                                                                                       |  |                   |  |
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| DO NOT SCALE DRAWING                                                                      |  | SCALE<br>6<br>1                                                                                              |  | TOLERANCES EXCEPT AS NOTED                                                                                                                                                                                                 |  |  |  |                   |  |
|                                                                                           |  |                                                                                                              |  |                                                                                                                                                                                                                            |  | St. Paul, MN 55144                                                                    |  |                   |  |
|      |  | INCHES<br>.0<br>+ .01<br>.00 ± .01<br>.0000 ± .005<br>.0000 ± .0002                                          |  | TITLE<br>WIREMOUNT SOCKET,<br>.100" X .100" .050"<br>PITCH CABLE                                                                                                                                                           |  |                                                                                       |  |                   |  |
| THIRD ANGLE PROJECTION                                                                    |  |                                                                                                              |  | MILLIMETERS<br>0 ±<br>0<br>0<br>0.00 ±<br>0.00 ±                                                                                                                                                                           |  | CAGE NUMBER<br>SIZE<br>D 78-5100-0718-6                                               |  |                   |  |
| INTERPRET PER ASME Y14.5 - 2018                                                           |  |                                                                                                              |  |                                                                                                                                                                                                                            |  | DRAWING NO.                                                                           |  |                   |  |
| MAX. SURFACE ROUGHNESS<br>ALL SURFACES<br><input checked="" type="checkbox"/> MARKED ONLY |  | <del>           MAX. SURFACE ROUGHNESS<br/>           ALL SURFACES<br/>           MARKED ONLY         </del> |  |                                                                                                                                                                                                                            |  | REV. G                                                                                |  |                   |  |
|                                                                                           |  | ANGLES ±                                                                                                     |  | MODEL                                                                                                                                                                                                                      |  | DET. Lists <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO        |  |                   |  |
|                                                                                           |  |                                                                                                              |  | 3000                                                                                                                                                                                                                       |  | SHT 3 OF 4                                                                            |  |                   |  |

## 3M™ WIREMOUNT SOCKET, 3000 SERIES

.100" X .100" FOR .050" PITCH CABLE, (OPTIONAL PLASTIC OR METAL STRAIN RELIEF)

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|                                                                                          |  |                                                 |  |                                                         |  |              |  |      |  |
|------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|---------------------------------------------------------|--|--------------|--|------|--|
| G                                                                                        |  | 97305                                           |  | JUN 21, 2021                                            |  | JNC          |  | SKN  |  |
| REVISED AND REDRAWN                                                                      |  |                                                 |  |                                                         |  |              |  |      |  |
| ISSUE DATE                                                                               |  | DESCRIPTION                                     |  | DRFT                                                    |  | CHKD         |  |      |  |
| DATE                                                                                     |  | JUN 21, 2021                                    |  | MFG                                                     |  | DATE         |  |      |  |
| CHGD                                                                                     |  |                                                 |  | APPRV                                                   |  | S: NEU       |  | DATE |  |
|                                                                                          |  |                                                 |  |                                                         |  | JUN 22, 2021 |  |      |  |
| DIVISION                                                                                 |  | DIVISION CODE                                   |  |                                                         |  |              |  |      |  |
| EWSO                                                                                     |  |                                                 |  |                                                         |  |              |  |      |  |
| DO NOT SCALE DRAWING                                                                     |  | SCALE B 1                                       |  | TOLERANCES EXCEPT AS NOTED                              |  |              |  |      |  |
|                                                                                          |  | INCHES                                          |  | TITLE                                                   |  |              |  |      |  |
|                                                                                          |  | .0<br>.00 ± .01<br>.000 ± .005<br>.0000 ± .0002 |  | WIREMOUNT SOCKET<br>.100" X .100" .050" PITCH CABLE     |  |              |  |      |  |
| THIRD ANGLE PROJECTION                                                                   |  | MILLIMETERS                                     |  |                                                         |  |              |  |      |  |
| INTERPRET PER ASME Y14.5 - 2018                                                          |  | 0<br>.0<br>.00<br>.000 ±                        |  | CASE NUMBER SIZE DRAWING NO. REV.<br>D 78-5100-0718-6 G |  |              |  |      |  |
| MAX SURFACE ROUGHNESS                                                                    |  | 0<br>.0<br>.00<br>.000 ±                        |  | DET. YES YES NO SHT 4 OF 6                              |  |              |  |      |  |
| <input checked="" type="checkbox"/> ALL SURFACES<br><input type="checkbox"/> MARKED ONLY |  | ANGLES ±                                        |  |                                                         |  |              |  |      |  |