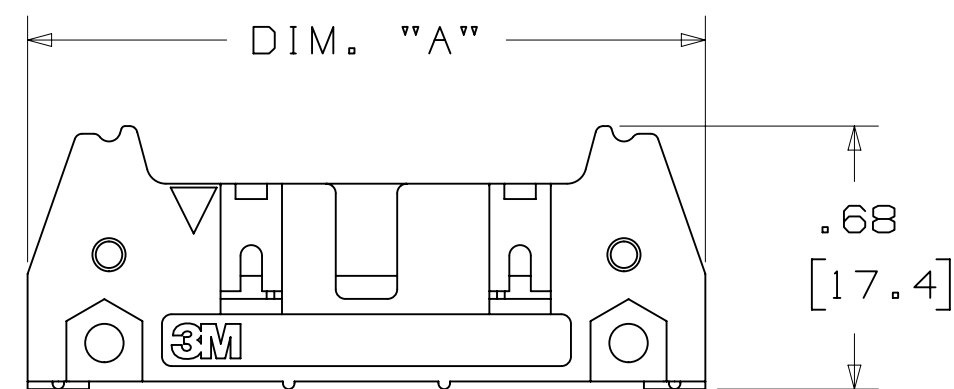
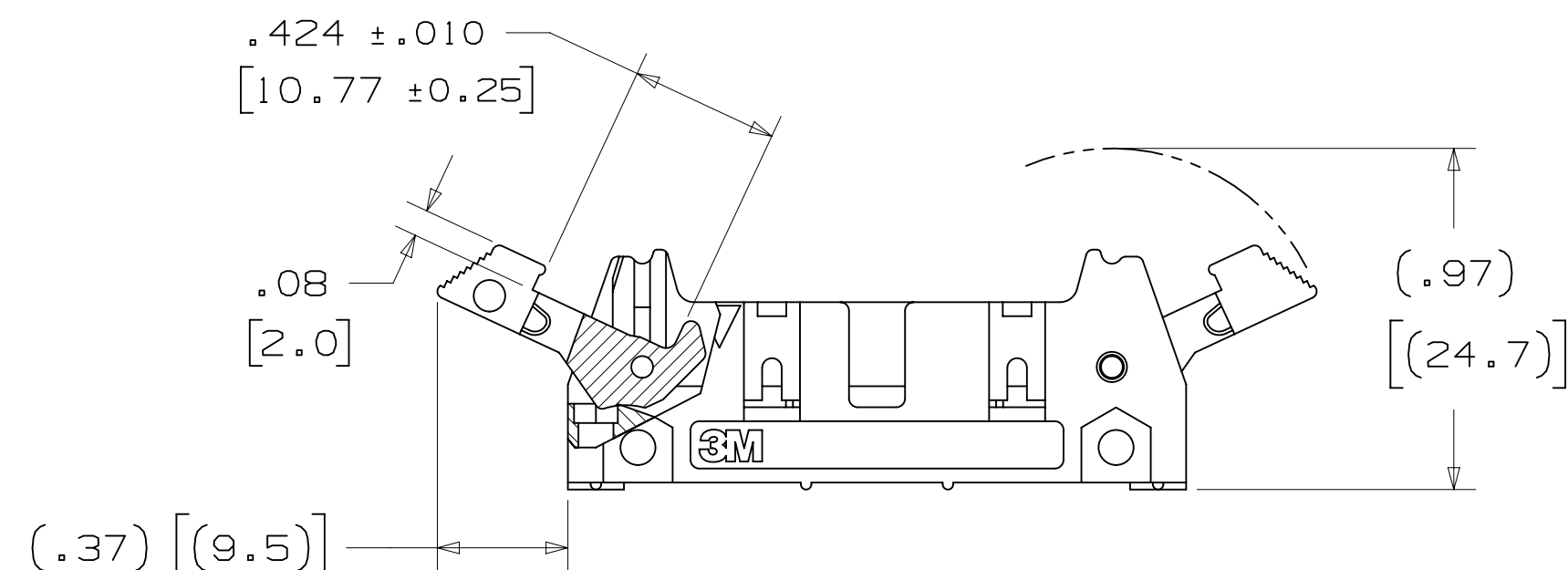


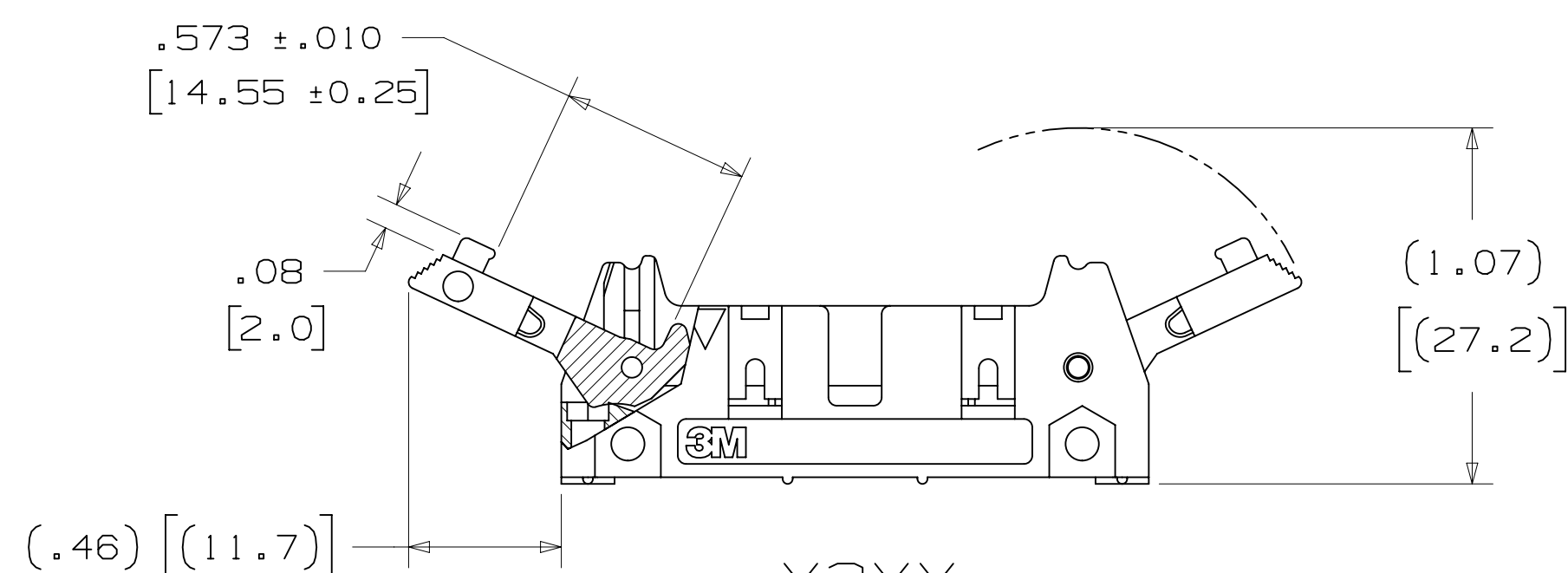
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-X0XX  
HEADER WITHOUT LATCH EJECTOR



-X2XX  
HEADER WITH SHORT LATCH EJECTOR  
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-X3XX  
HEADER WITH LONG LATCH EJECTOR  
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX - XXXXXX

PIN CONFIGURATION: \_\_\_\_\_  
5 = RIGHT ANGLE SOLDER TAILS  
6 = STRAIGHT SOLDER TAILS

RB = 30μ" [ 0.76μm ] GOLD AND 200μ" [ 5.08μm ] MATTE TIN  
(APP. E1 & C1 APPLY)

UB = 30μ" [ 0.76μm ] GOLD AND 200μ" [ 5.08μm ]  
TIN LEAD (APP. E3 & C2 APPLY)

O2 = FOR .062 [ 1.57 ] THICK BOARD  
O3 = FOR .094 TO .125 [ 2.39 TO 3.18 ] THICK BOARD  
K2 = KINKED FOR .062 [ 1.57 ] THICK BOARD

0 = NO LATCH/EJECTOR INSTALLED  
2 = SHORT ROLL PIN LATCH/EJECTORS  
3 = LONG ROLL PIN LATCH/EJECTORS

- \* MILITARY (WITH 3M'S N3518 POLARIZING KEY) AND CENTERBUMP POLARIZATION.
- \* OPTIONAL EJECTOR LATCHES.
- \* MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- \* OPTIONAL POLARIZING POSTS AVAILABLE.
- \* HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- \* SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.
- \* SOLDER TAIL OPTION.

## 2 PHYSICAL :

```

INSULATOR:
  MATERIAL: GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
  COLOR: BLACK
  CONTACT:
    MATERIAL: COPPER ALLOY
    PLATING:
      UNDER PLATING: 100μ" [ 2.54μm ] NICKEL-OVERALL
      WIPING AREA: 30μ" [ 0.76μm ] AVG. GOLD
      SOLDER TAILS: TIN LEAD OR MATTE TIN (SEE ORDERING INFORMATION)
      MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

```

2 ELECTRICAL :

CURRENT RATING: 5.00A, 1 CONTACT POWERED  
3.00A, 6 CONTACTS POWERED  
1.75A, ALL CONTACTS POWERED  
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM  
TEMPERATURE RISE, 20% DERATED. REFERENCE APPROPRIATE  
3M PRODUCT SPECIFICATION FOR DETAILED CURRENT DERATING  
CURVES.

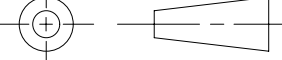
INSULATION RESISTANCE:  $>1 \times 10^9 \Omega$  AT 500 V<sub>DC</sub>  
WITHSTANDING VOLTAGE: 1,000V<sub>RMS</sub> AT SEA LEVEL

## 2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO 105°C  
PROCESS RATING: 260°C, PER J-STD-020C, SINGLE PASS  
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C)

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FOR TECHNICAL, SALES OR ORDERING  
INFORMATION CALL 800-225-5373

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

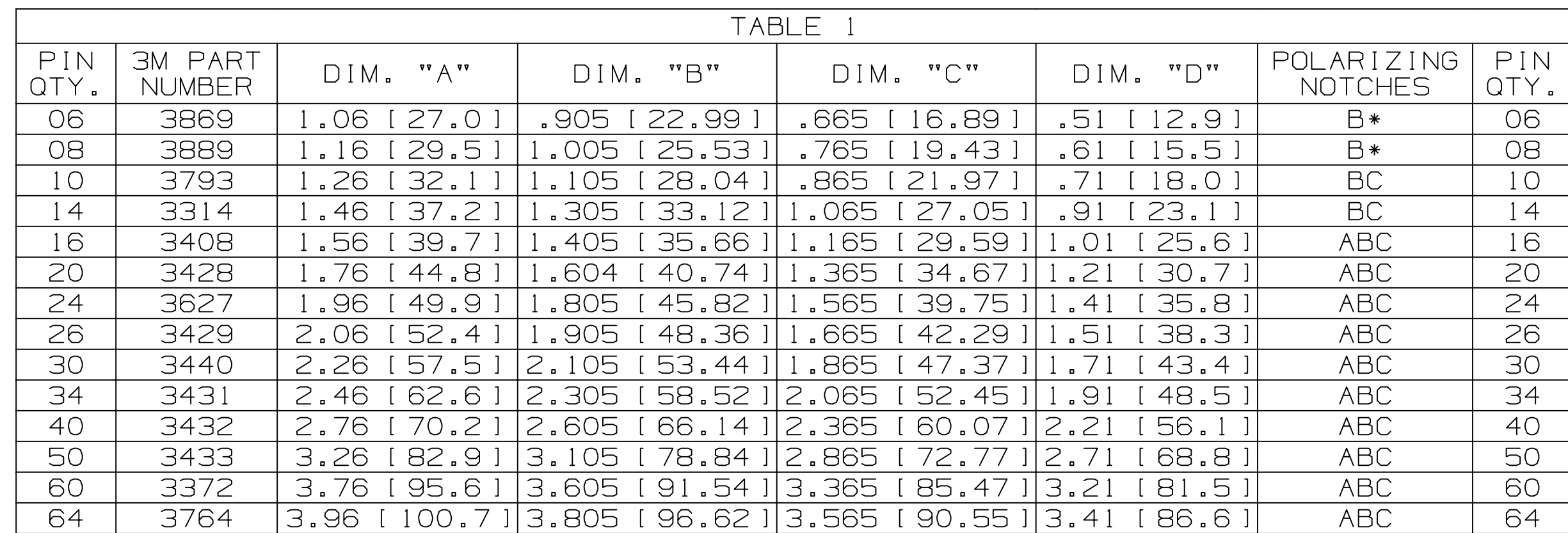
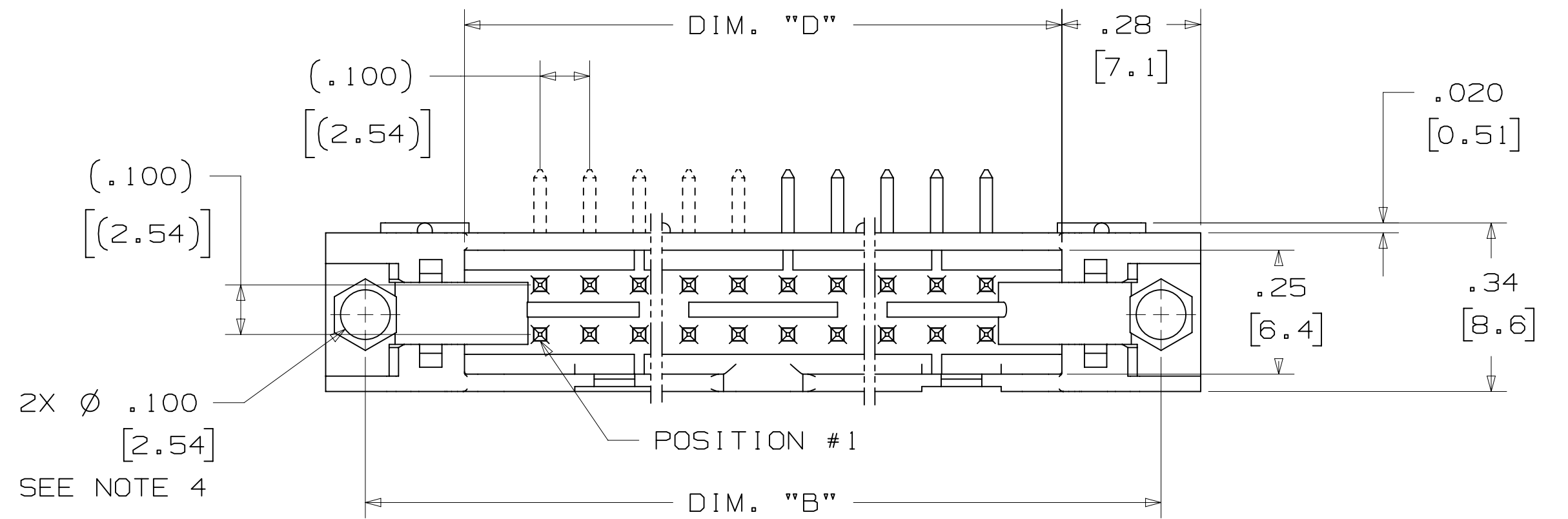
|                                                                                                                                            |  |                 |  |                                             |  |             |  |                                                                                                                                                                                                                                                                                                                     |  |       |  |                         |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--|---------------------------------------------|--|-------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|-------------------------|--|
| DESIGN REFERENCE                                                                                                                           |  | NEXT ASSEMBLY   |  | REV                                         |  | ECO         |  | ISSUE DATE AND DESCRIPTION                                                                                                                                                                                                                                                                                          |  | DRFT  |  | CHKD                    |  |
| ACCORDS                                                                                                                                    |  |                 |  | DRFT                                        |  | CASTIGLIONE |  | DATE                                                                                                                                                                                                                                                                                                                |  | MFO   |  | DATE                    |  |
|                                                                                                                                            |  |                 |  |                                             |  |             |  | JUL 25, 2014                                                                                                                                                                                                                                                                                                        |  |       |  |                         |  |
|                                                                                                                                            |  |                 |  | CHKD                                        |  |             |  | DATE                                                                                                                                                                                                                                                                                                                |  | APPR. |  | R. SCHERER SEP 05, 2014 |  |
| DIVISION                                                                                                                                   |  |                 |  | DIVISION CODE                               |  |             |  | © 3M COPYRIGHT 2015                                                                                                                                                                                                                                                                                                 |  |       |  |                         |  |
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| DO NOT SCALE DRAWING                                                                                                                       |  | SCALE<br>2<br>1 |  | INCHES                                      |  |             |  | TITLE                                                                                                                                                                                                                                                                                                               |  |       |  |                         |  |
|                                                       |  |                 |  | .0 ±<br>.00 ± .01<br>.000 ± .005<br>.0000 ± |  |             |  | HEADER, 4-WALL, .100<br>X .100 LATCH/EJECTOR,<br>STRAIGHT & RA                                                                                                                                                                                                                                                      |  |       |  |                         |  |
| THIRD ANGLE PROJECTION                                                                                                                     |  |                 |  | MILLIMETERS                                 |  |             |  | CAGE NUMBER                                                                                                                                                                                                                                                                                                         |  |       |  |                         |  |
| INTERPRET PER<br>ASME Y14.5 - 2009                                                                                                         |  |                 |  | .0 ±<br>.00 ± .13<br>.000 ±                 |  |             |  | SIZE DRAWING NO.                                                                                                                                                                                                                                                                                                    |  |       |  |                         |  |
| <input checked="" type="checkbox"/> MAX SURFACE ROUGHNESS<br><input type="checkbox"/> ALL SURFACES<br><input type="checkbox"/> MARKED ONLY |  |                 |  | .0 ±<br>.00 ± .13<br>.000 ±                 |  |             |  | <b>D</b> 78-5100-0772-3                                                                                                                                                                                                                                                                                             |  |       |  |                         |  |
|                                                                                                                                            |  |                 |  | .0 ±<br>.00 ± .13<br>.000 ±                 |  |             |  | REV.                                                                                                                                                                                                                                                                                                                |  |       |  |                         |  |
|                                                                                                                                            |  |                 |  | .0 ±<br>.00 ± .13<br>.000 ±                 |  |             |  | S                                                                                                                                                                                                                                                                                                                   |  |       |  |                         |  |
|                                                                                                                                            |  |                 |  | .0 ±<br>.00 ± .13<br>.000 ±                 |  |             |  | MODEL                                                                                                                                                                                                                                                                                                               |  |       |  |                         |  |
|                                                                                                                                            |  |                 |  | .0 ±<br>.00 ± .13<br>.000 ±                 |  |             |  | 3000 SERIES                                                                                                                                                                                                                                                                                                         |  |       |  |                         |  |
|                                                                                                                                            |  |                 |  | .0 ±<br>.00 ± .13<br>.000 ±                 |  |             |  | DET. <input type="checkbox"/> SHTS <input type="checkbox"/> YES <input type="checkbox"/> NO SHT 1 OF                                                                                                                                                                                                                |  |       |  |                         |  |

**UL**  
UL FILE NO: E68080

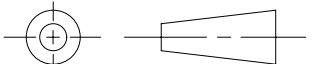
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.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



| TABLE 2                     |                                                     |               |                         |                      |                     |                                    |
|-----------------------------|-----------------------------------------------------|---------------|-------------------------|----------------------|---------------------|------------------------------------|
| 3M PART<br>NUMBER<br>SUFFIX | CONTACT TAIL                                        | DIM. "E"      | PIN CROSS SECTION       |                      |                     | DIM. "G"                           |
| -5XX2                       | .062 [ 1.57 ] THICK<br>PC BOARD                     | .112 [ 2.84 ] | DIM. "F"                | DIAGONALS            | CORNER RADIUS       | .035+/- .003 [ .89 ]<br>SEE NOTE 5 |
| -6XX2                       |                                                     |               | .0245+/- .0005 [ .622 ] | .028+/- .001 [ .71 ] | .0075 REF. [ .191 ] |                                    |
| -5X03                       | .094 [ 2.39 ] TO<br>.125 [ 3.18 ] THICK<br>PC BOARD | .155 [ 3.94 ] | .0245+/- .0005 [ .622 ] | .028+/- .001 [ .71 ] | .0075 REF. [ .191 ] | .035+/- .003 [ .89 ]               |
| -6X03                       |                                                     |               |                         |                      |                     |                                    |

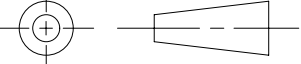
|                                                                                       |  |                                               |  |                                                      |  |                                                                   |  |                              |  |                                                                                                                                                                                                                                               |  |                                                                     |  |              |  |
|---------------------------------------------------------------------------------------|--|-----------------------------------------------|--|------------------------------------------------------|--|-------------------------------------------------------------------|--|------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------|--|--------------|--|
| DESIGN REFERENCE                                                                      |  | NEXT ASSEMBLY                                 |  | REV                                                  |  | ECO                                                               |  | ISSUE DATE AND DESCRIPTION   |  |                                                                                                                                                                                                                                               |  | DRFT                                                                |  | CHKD         |  |
| ACCORDS                                                                               |  |                                               |  | BPN                                                  |  | CASTIGLIONE                                                       |  | DATE                         |  | MFG                                                                                                                                                                                                                                           |  | DATE                                                                |  |              |  |
|                                                                                       |  |                                               |  |                                                      |  |                                                                   |  | JUL 25, 2014                 |  |                                                                                                                                                                                                                                               |  |                                                                     |  |              |  |
|                                                                                       |  |                                               |  | CHKD                                                 |  |                                                                   |  | DATE                         |  | APPRV                                                                                                                                                                                                                                         |  | DATE                                                                |  | SEP 05, 2014 |  |
| DIVISION                                                                              |  | DIVISION CODE                                 |  |                                                      |  |                                                                   |  |                              |  |                                                                                                                                                                                                                                               |  |                                                                     |  |              |  |
| Interconnect Solutions                                                                |  | EMSD                                          |  |                                                      |  |                                                                   |  |                              |  |                                                                                                                                                                                                                                               |  |                                                                     |  |              |  |
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|  |  | INCHES<br>.00 ± .01<br>.000 ± .005<br>.0000 ± |  | MILLIMETERS<br>0 ±<br>.0 ± .3<br>.00 ± .13<br>.000 ± |  | TITLE<br>HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA |  |                              |  |                                                                                                                                                                                                                                               |  |                                                                     |  |              |  |
| THIRD ANGLE PROJECTION                                                                |  |                                               |  |                                                      |  |                                                                   |  |                              |  |                                                                                                                                                                                                                                               |  |                                                                     |  |              |  |
| INTERPRET PER ASME Y14.5 - 2009                                                       |  |                                               |  |                                                      |  |                                                                   |  |                              |  |                                                                                                                                                                                                                                               |  |                                                                     |  |              |  |
| MAX SURFACE ROUGHNESS                                                                 |  | DUAL SURFACES                                 |  |                                                      |  | CAGE NUMBER                                                       |  | SIZE                         |  | DRAWING NO.                                                                                                                                                                                                                                   |  |                                                                     |  | REV.         |  |
| ✓ <input type="checkbox"/> MARKED ONLY                                                |  |                                               |  |                                                      |  | D                                                                 |  | 78-5100-0772-3               |  | S                                                                                                                                                                                                                                             |  |                                                                     |  |              |  |
|                                                                                       |  |                                               |  |                                                      |  | MODEL                                                             |  | 3000 SERIES                  |  | DET. LISTS                                                                                                                                                                                                                                    |  | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |  | SHT 2 OF 4   |  |



.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



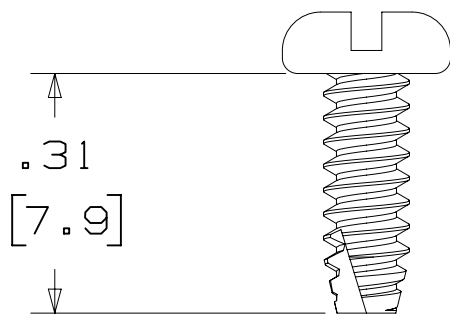

  
 (.03)  
 [(0.8)]  
 TYP.

|                                                                                       |  |               |  |                                                       |  |                                    |  |                                                                                                                                                                                                                                               |  |              |  |       |  |                              |  |
|---------------------------------------------------------------------------------------|--|---------------|--|-------------------------------------------------------|--|------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|-------|--|------------------------------|--|
| DESIGN REFERENCE                                                                      |  | NEXT ASSEMBLY |  | REV                                                   |  | ECO                                |  | ISSUE DATE AND DESCRIPTION                                                                                                                                                                                                                    |  |              |  | DRFT  |  | CHKD                         |  |
| ACROSS                                                                                |  |               |  | BPN                                                   |  | CASTIGLIONE                        |  | DATE                                                                                                                                                                                                                                          |  | JUL 25, 2014 |  | MFG   |  | DATE                         |  |
|                                                                                       |  |               |  | CHKD                                                  |  |                                    |  | DATE                                                                                                                                                                                                                                          |  |              |  | APPRV |  | R. SCHERER DATE SEP 05, 2014 |  |
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| DO NOT SCALE DRAWING                                                                  |  | SCALE 4 1     |  | TOLERANCES EXCEPT AS NOTED                            |  | 3M<br>3M Center St. Paul, MN 55144 |  | TITLE<br>HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA                                                                                                                                                                             |  |              |  |       |  |                              |  |
|                                                                                       |  |               |  |                                                       |  |                                    |  |                                                                                                                                                                                                                                               |  |              |  |       |  |                              |  |
|  |  |               |  | INCHES<br>.00 ± .01<br>.000 ± .005<br>.0000 ±         |  | TITLE                              |  | CAGE NUMBER<br>SIZE DRAWING NO.<br>D 78-5100-0772-3                                                                                                                                                                                           |  |              |  |       |  |                              |  |
| THIRD ANGLE PROJECTION                                                                |  |               |  | MILLIMETERS<br>0 ±<br>.00 ± .3<br>.00 ± .13<br>.000 ± |  | CAGE NUMBER                        |  |                                                                                                                                                                                                                                               |  |              |  |       |  |                              |  |
| INTERPRET PER ASME Y14.5 - 2009                                                       |  |               |  |                                                       |  | MODEL                              |  | 3000 SERIES<br>DET. LISTS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br>SHT 3 OF 4                                                                                                                                   |  |              |  |       |  |                              |  |
| MAX SURFACE ROUGHNESS<br>✓ <input type="checkbox"/> MARKED ONLY                       |  |               |  | ANGLS                                                 |  |                                    |  |                                                                                                                                                                                                                                               |  |              |  |       |  |                              |  |
|                                                                                       |  |               |  |                                                       |  |                                    |  |                                                                                                                                                                                                                                               |  |              |  |       |  |                              |  |

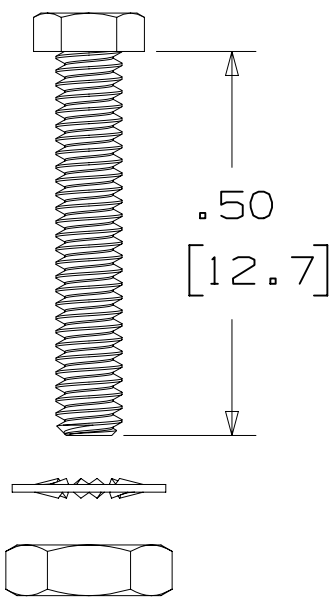


3M™ FOUR-WALL HEADER, 3000 SERIES  
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

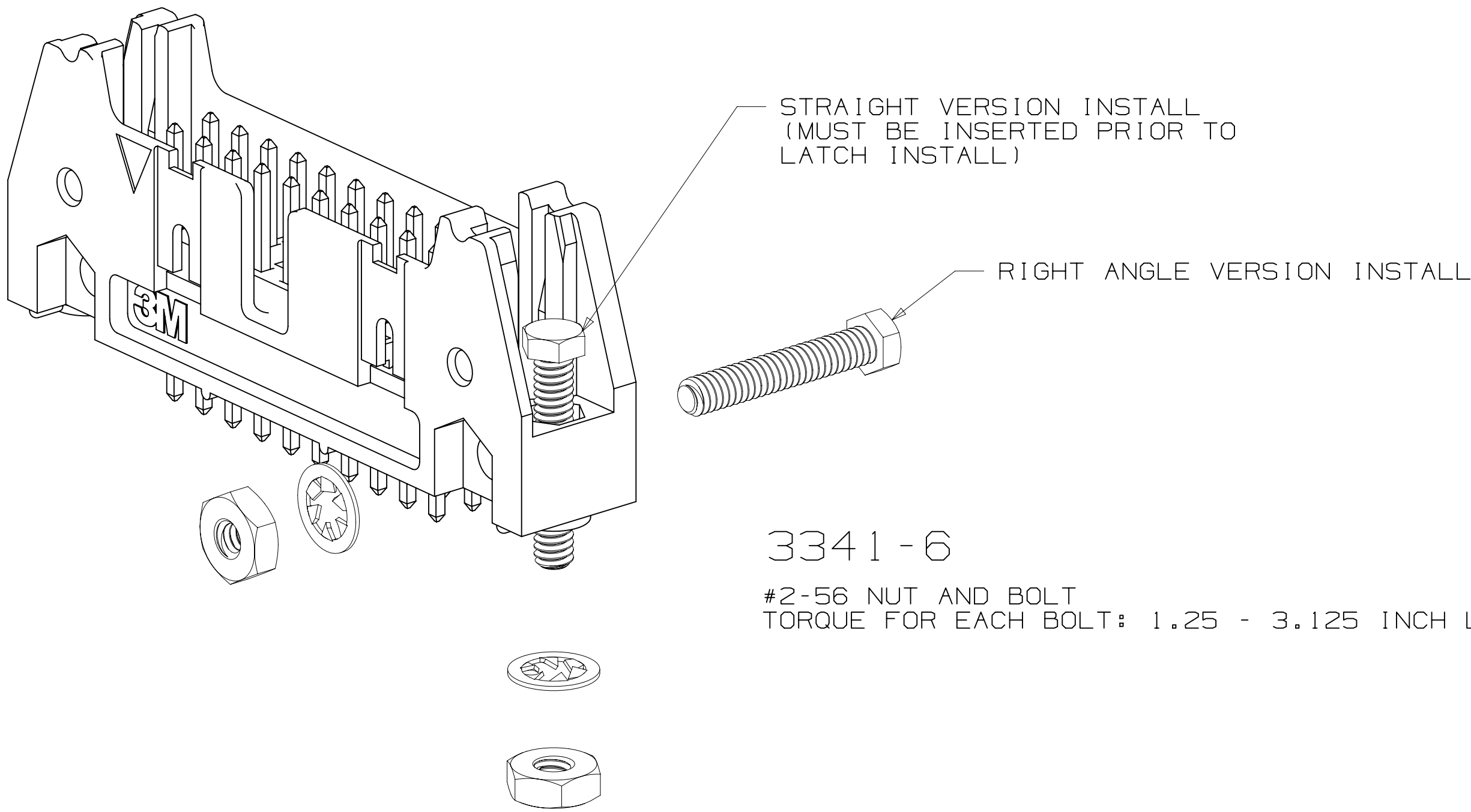
MOUNTING HARDWARE



3341-5  
(INSTALL FROM BOTTOM OF BOARD)  
PANHEAD THREAD CUTTING SCREW:  
#4-24 X 5/16"  
TYPE: USA STD BT, FEDERAL BG  
MATERIAL: STAINLESS STEEL



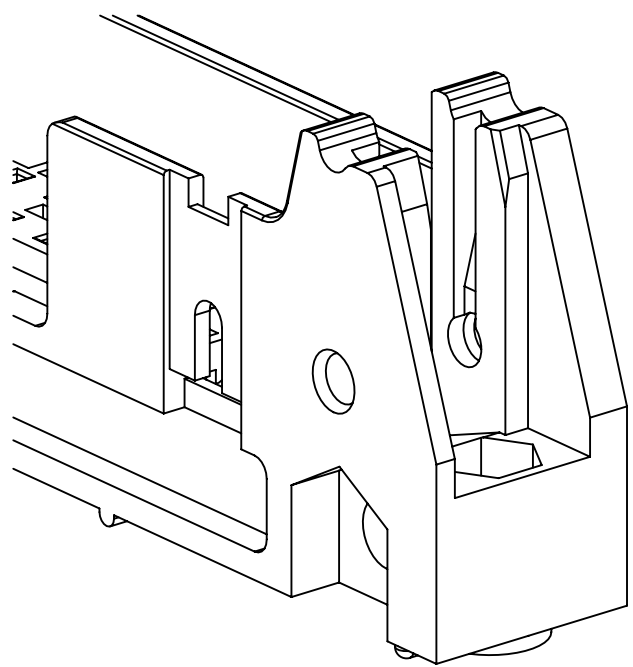
3341-6  
HEX HEAD BOLT, NUT AND WASHER:  
BOLT - #2-56 X 1/2"  
MATERIAL: STAINLESS STEEL



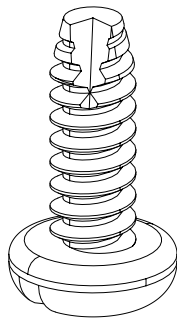
STRAIGHT VERSION INSTALL  
(MUST BE INSERTED PRIOR TO  
LATCH INSTALL)

RIGHT ANGLE VERSION INSTALL

3341-6  
#2-56 NUT AND BOLT  
TORQUE FOR EACH BOLT: 1.25 - 3.125 INCH LBS.



#4-24 TYPE BT SELF THREADING SCREW  
WHEN USING LATCHES, MAXIMUM LENGTH  
OF SCREW IS .250 INCHES PLUS  
THICKNESS OF THE BOARD.  
TORQUE FOR EACH SCREW IS 3-5 INCH LBS.



3341-5

|                                                          |  |                                 |  |                                                                                                                                                                                                                        |     |                            |  |                     |      |
|----------------------------------------------------------|--|---------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------|--|---------------------|------|
| DESIGN REFERENCE                                         |  | NEXT ASSEMBLY                   |  | REV                                                                                                                                                                                                                    | ECO | ISSUE DATE AND DESCRIPTION |  | DRFT                | CHKD |
| XREF                                                     |  | DPR                             |  | DATE                                                                                                                                                                                                                   |     | MFG                        |  | DATE                |      |
| CODES                                                    |  | CASTIGLIONE                     |  | JUL 25, 2014                                                                                                                                                                                                           |     | R. SCHERER                 |  | SEP 05, 2014        |      |
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| DO NOT SCALE DRAWING                                     |  | SCALE 4 1                       |  | TOLERANCES EXCEPT AS NOTED                                                                                                                                                                                             |     | INCHES                     |  | MILLIMETERS         |      |
| THIRD ANGLE PROJECTION                                   |  | INTERPRET PER ASME Y14.5 - 2009 |  | MAX SURFACE ROUGHNESS                                                                                                                                                                                                  |     | SURFACES                   |  | MARKED ONLY         |      |
| TITLE                                                    |  | CAGE NUMBER                     |  | SIZE                                                                                                                                                                                                                   |     | DRAWING NO.                |  | REV.                |      |
| HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA |  | D 78-5100-0772-3                |  | S                                                                                                                                                                                                                      |     | 3000 SERIES                |  | SHT 4 OF 4          |      |