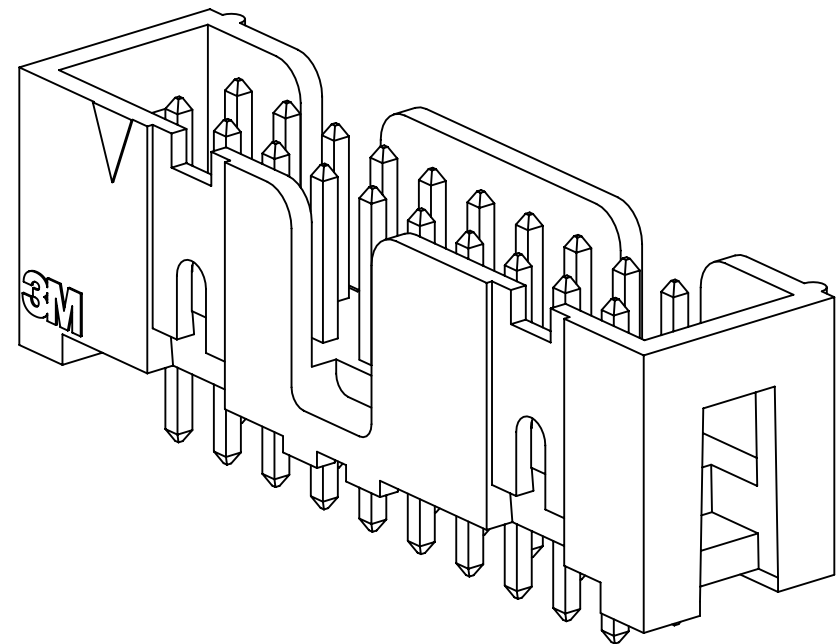


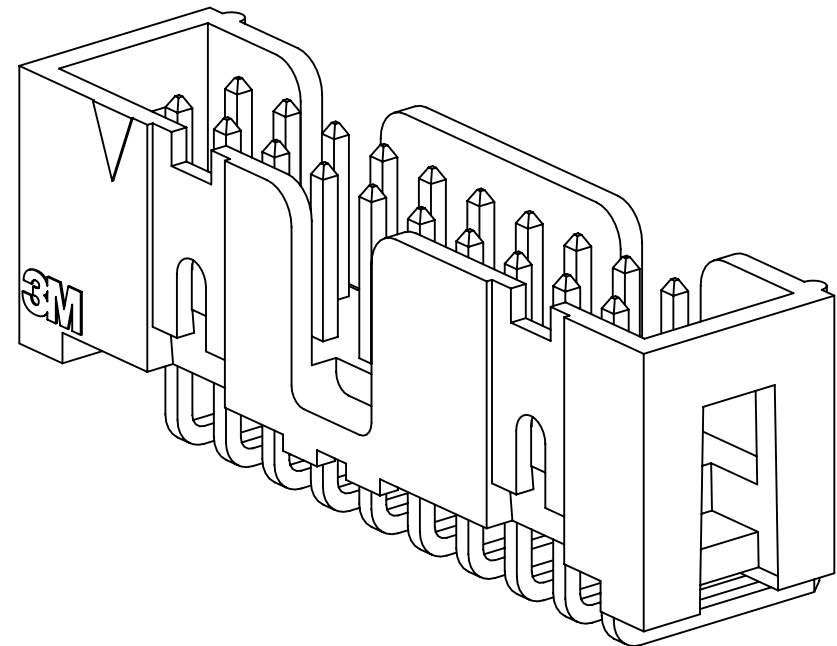
# 3M™ FOUR-WALL HEADER, 2500 SERIES

.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE



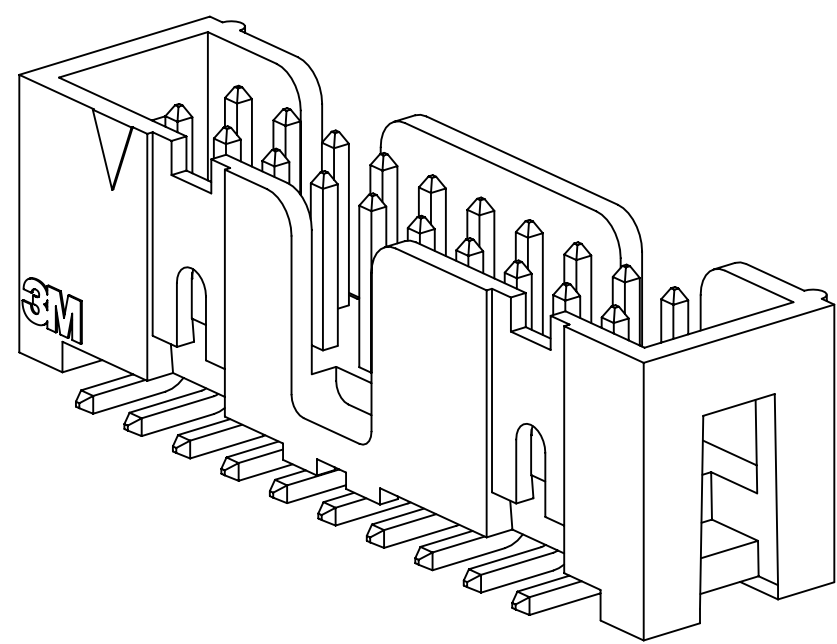
25XX-60XX

STRAIGHT VERSION



25XX-50XX

### RIGHT ANGLE VERSION



25XX-6V0C

SURFACE MOUNT VERSION

- \* LOW PROFILE, SPACE SAVING DESIGN.
- \* CENTER SLOT POLARIZATION PREVENTS MIS-INSERTIONS AND REDUCES INSERTION TIME.
- \* DUAL SLOT POLARIZATION MEANS BROADER COMPATIBILITY WITH COMPETITIVE POLARIZATION DESIGNS (NOT AVAILABLE ON 6, 8 OR 10 POSITIONS).
- \* OPTIONAL RETAINER CLIP FOR LOCKING SOCKETS IN PLACE AND INCREASING CONNECTION RELIABILITY IN VIBRATION-PRONE ENVIRONMENTS.
- \* HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- \* THROUGH HOLE VERSION SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.
- \* EXPOSED SOLDER TAILS (ON RIGHT ANGLE VERSION) PROVIDE EASE OF CLEANING AND REDUCED REPAIR COST.
- \* STRAIGHT SURFACE MOUNT VERSION AVAILABLE.

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: AVG. GOLD (SEE ORDERING INFORMATION)
SOLDER TAILS: 200μ" [5.08μm] 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

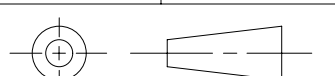
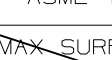
## 2 ENVIRONMENTAL :

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)

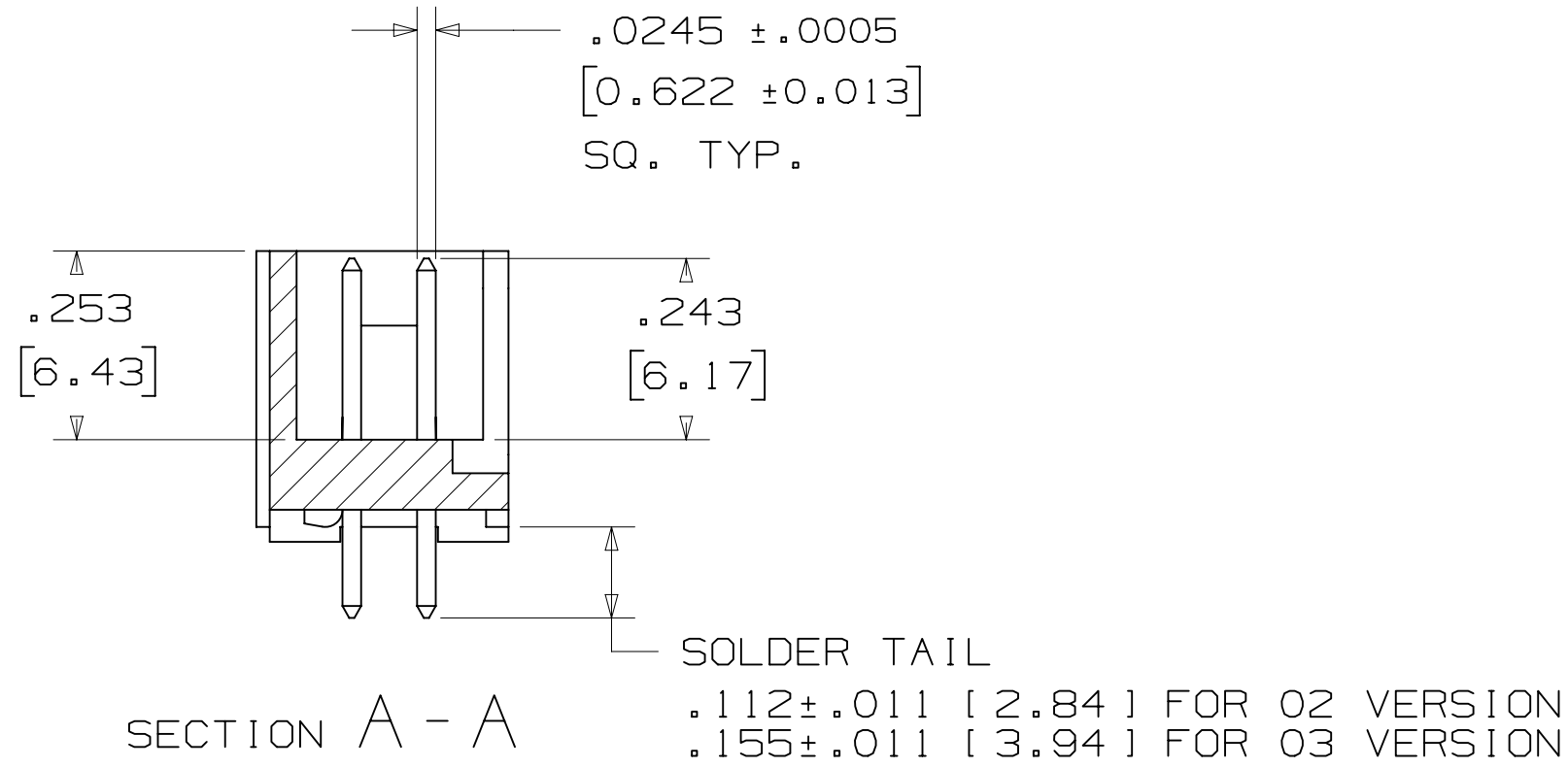
3M ELECTRONIC MATERIALS SOLUTIONS DIVISION  
INTERCONNECT SOLUTIONS  
<http://www.3mconnectors.com>

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

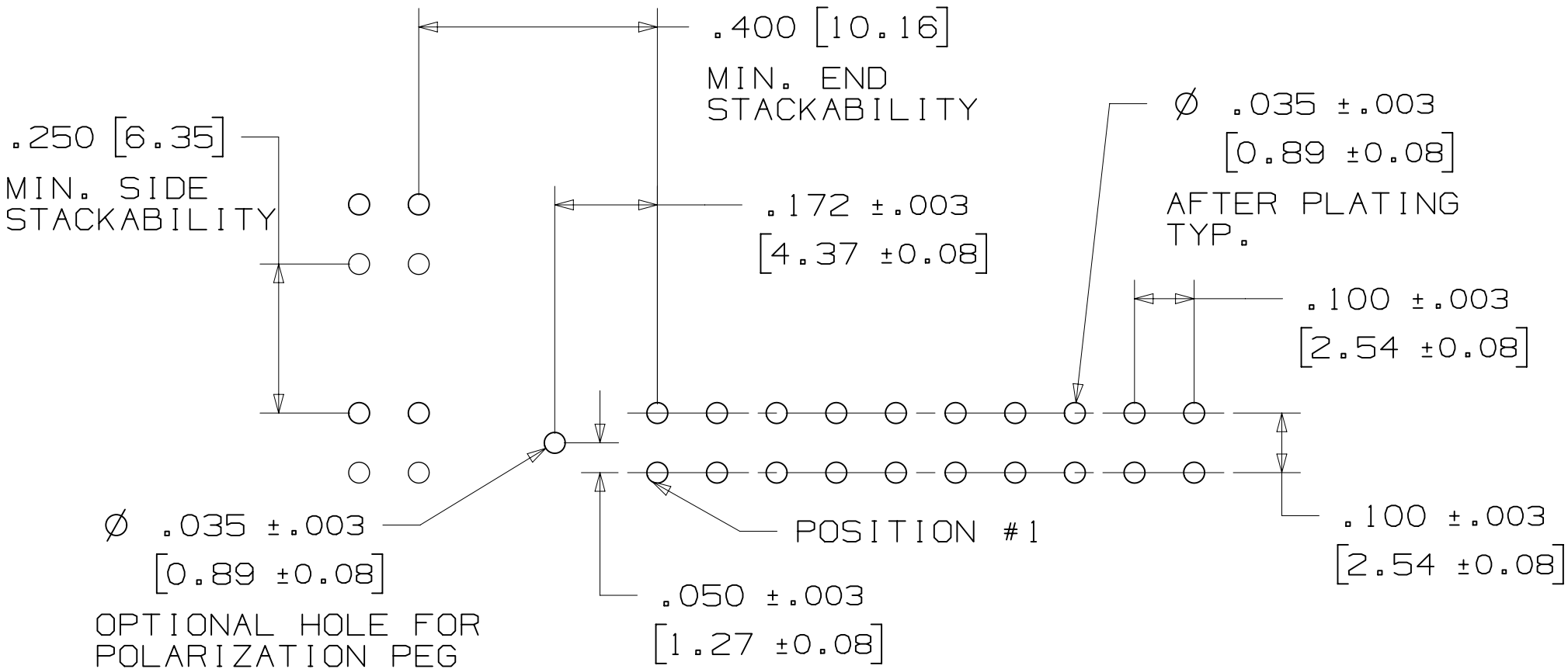
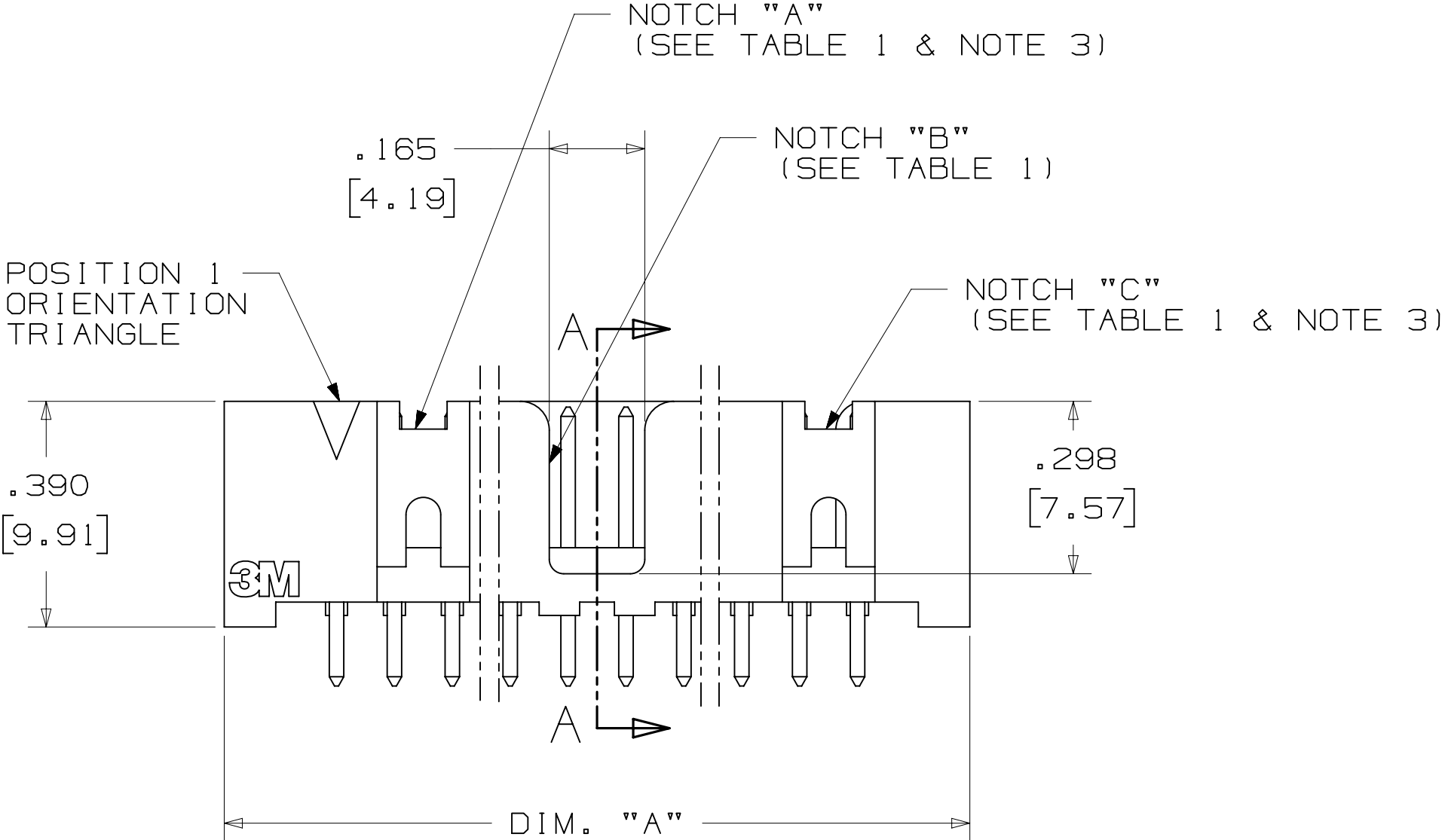
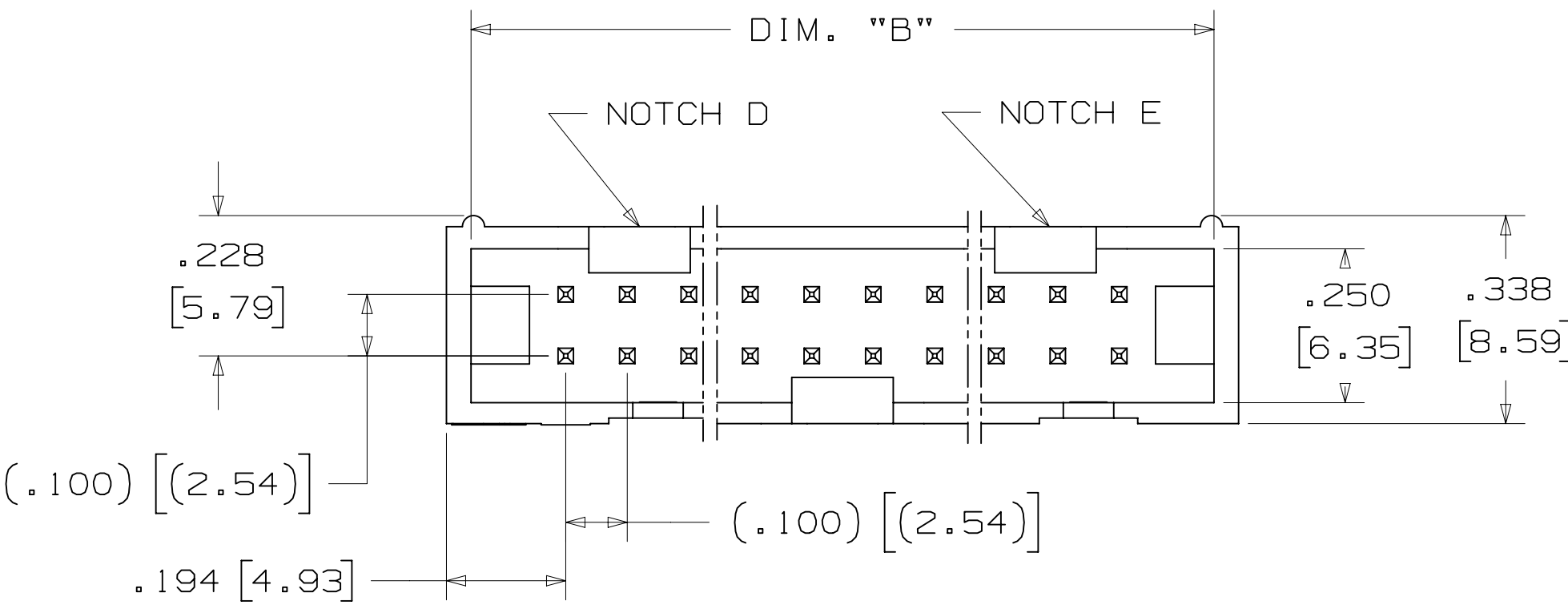
**UL**<sup>®</sup>  
**US**  
UL FILE NO: E68080

|                                                                                                                |  |                                                                 |  |                                                                                       |  |                                                                                                                                                                                                                                                 |  |                                                                                           |  |
|----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------|--|
| DIMENSIONS: INCHES [ MM ]<br>) IS REF. ONLY                                                                    |  | M 5606B                                                         |  | AUG 11, 2014                                                                          |  | JNC                                                                                                                                                                                                                                             |  | RS                                                                                        |  |
|                                                                                                                |  |                                                                 |  | REVISED AND REDRAWN                                                                   |  |                                                                                                                                                                                                                                                 |  |                                                                                           |  |
| DESIGN REFERENCE                                                                                               |  | NEXT ASSEMBLY                                                   |  | REV ECO                                                                               |  | ISSUE DATE AND DESCRIPTION                                                                                                                                                                                                                      |  | DRFT CHKD                                                                                 |  |
| ADDRESS CODES                                                                                                  |  | DRFT CASTIGLIONE                                                |  | DATE AUG 11, 2014                                                                     |  | MFG                                                                                                                                                                                                                                             |  | DATE                                                                                      |  |
|                                                                                                                |  |                                                                 |  | CHKD                                                                                  |  | DATE                                                                                                                                                                                                                                            |  | APRVL R. SCHERER                                                                          |  |
|                                                                                                                |  |                                                                 |  |                                                                                       |  |                                                                                                                                                                                                                                                 |  | DATE SEP 05, 2014                                                                         |  |
| DIVISION<br><b>Interconnect Solutions</b>                                                                      |  | DIVISION CODE<br><b>EMSD</b>                                    |  |  |  | © 3M COPYRIGHT 2015<br>This document and the information it contains are 3M proprietary and may not be reproduced or further distributed without 3M permission or use, as disclosed other than for 3M authorized purposes. All rights reserved. |  |                                                                                           |  |
| DO NOT SCALE DRAWING                                                                                           |  | SCALE<br><b>4</b><br><b>1</b>                                   |  | TOLERANCES EXCEPT AS NOTED                                                            |  | TITLE<br><b>HEADER, 4-WALL,<br/>         LO-PRO, .100 X .100,<br/>         SMT, STRAIGHT &amp; RA</b>                                                                                                                                           |  |                                                                                           |  |
|                           |  | INCHES<br>.0 ±<br>.00 ± .01<br>.000 ± .005<br>.0000 ±           |  | MILLIMETERS<br>0 ±<br>.0 ± .3<br>.00 ± .13<br>.000 ±                                  |  | NUMBER SIZE DRAWING NO.<br><b>D78-5100-0770-7</b>                                                                                                                                                                                               |  |                                                                                           |  |
| THIRD ANGLE PROJECTION<br>INTERPRET PER<br>ASME Y14.5 - 2009                                                   |  |                                                                 |  |                                                                                       |  | CAGE NUMBER<br><b>D</b>                                                                                                                                                                                                                         |  | REV. M                                                                                    |  |
| MAX SURFACE ROUGHNESS<br> |  | MAX SURFACES<br><input checked="" type="checkbox"/> MARKED ONLY |  | ANGLES ±                                                                              |  | MODEL 3000 SERIES                                                                                                                                                                                                                               |  | DET. LISTS <input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO |  |
|                                                                                                                |  |                                                                 |  |                                                                                       |  |                                                                                                                                                                                                                                                 |  | SHT 1 OF 5                                                                                |  |

3M™ FOUR-WALL HEADER, 2500 SERIES  
.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE



| TABLE 1  |                 |                 |                    |          |
|----------|-----------------|-----------------|--------------------|----------|
| PIN QTY. | DIM. "A"        | DIM. "B"        | POLARIZING NOTCHES | PIN QTY. |
| 06       | .588 [ 14.94 ]  | .508 [ 12.90 ]  | B                  | 06       |
| 08       | .688 [ 17.48 ]  | .608 [ 15.44 ]  | B                  | 08       |
| 10       | .788 [ 20.02 ]  | .708 [ 17.98 ]  | BC                 | 10       |
| 14       | .988 [ 25.10 ]  | .908 [ 23.06 ]  | BCDE               | 14       |
| 16       | 1.088 [ 27.64 ] | 1.008 [ 25.60 ] | ABCDE              | 16       |
| 20       | 1.288 [ 32.72 ] | 1.208 [ 30.68 ] | ABCDE              | 20       |
| 24       | 1.488 [ 37.80 ] | 1.408 [ 35.76 ] | ABCDE              | 24       |
| 26       | 1.588 [ 40.34 ] | 1.508 [ 38.30 ] | ABCDE              | 26       |
| 30       | 1.788 [ 45.42 ] | 1.708 [ 43.38 ] | ABCDE              | 30       |
| 34       | 1.988 [ 50.50 ] | 1.908 [ 48.46 ] | ABCDE              | 34       |
| 36       | 2.088 [ 53.04 ] | 2.008 [ 51.00 ] | ABCDE              | 36       |
| 40       | 2.288 [ 58.12 ] | 2.208 [ 56.08 ] | ABCDE              | 40       |
| 50       | 2.788 [ 70.82 ] | 2.708 [ 68.78 ] | ABCDE              | 50       |
| 60       | 3.288 [ 83.52 ] | 3.208 [ 81.48 ] | ABCDE              | 60       |
| 64       | 3.488 [ 88.60 ] | 3.408 [ 86.56 ] | ABCDE              | 64       |



ORDERING INFORMATION  
STRAIGHT VERSION

X25XX-60XX-XX

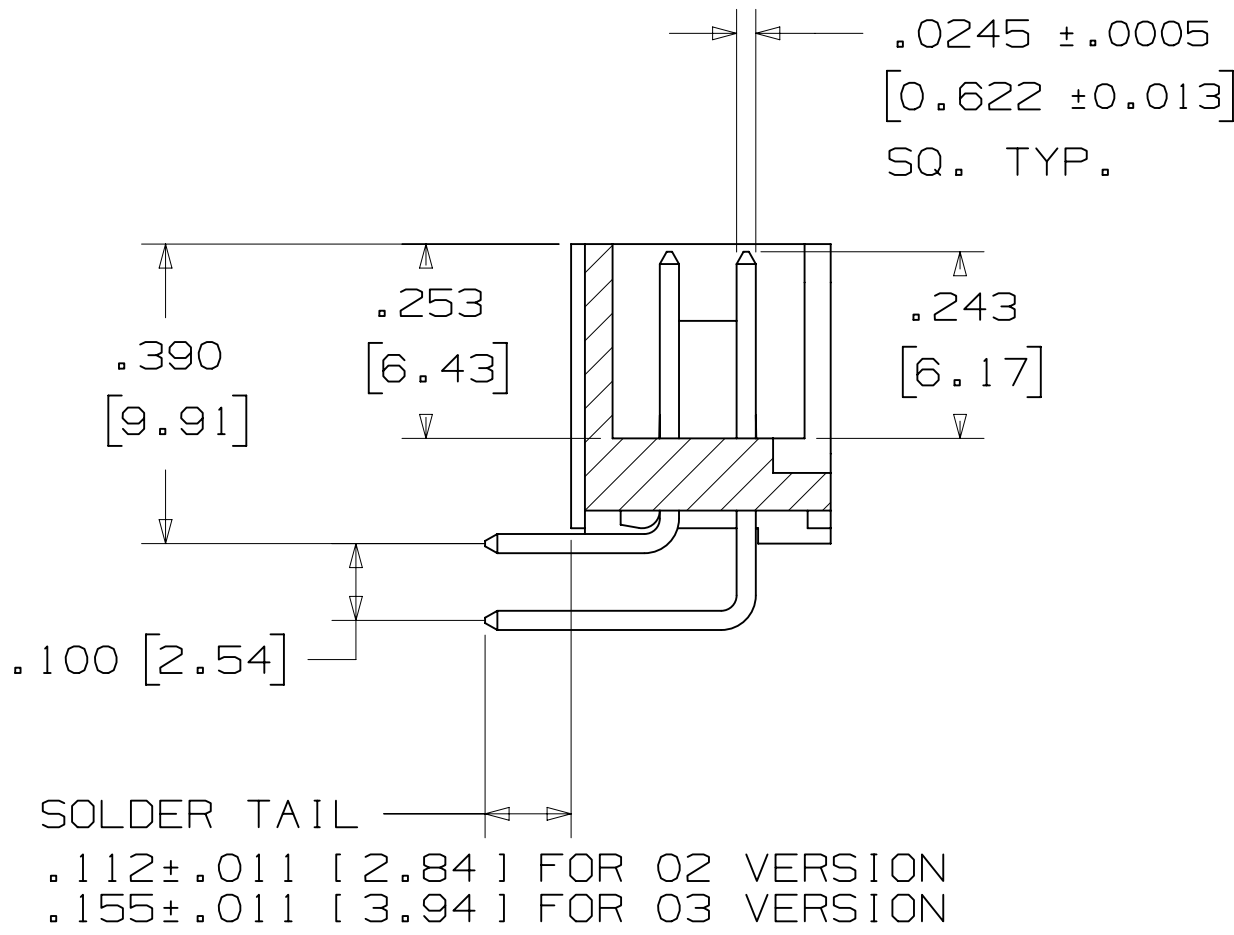
N= HIGH TEMP BLACK (PCT)  
(RB, UB OR UG PLATING REQ'D)  
BLANK= (UB OR UG PLATING)  
PIN QUANTITY:  
(SEE TABLE 1)  
SOLDER TAIL:  
02 = FOR .062 [1.57] THICK BOARD  
03 = FOR .094 TO .125 [2.39 TO 3.18]  
THICK BOARD

PLATING:  
RB = 30μ" [0.76μm] AVG. GOLD  
200μ" [5.08μm] MATTE TIN (RIA, E1 & C1 APPLY)  
UG = 15μ" [0.38μm] AVG. GOLD  
200μ" [5.08μm] 60:40 TIN-LEAD SOLDER TAILS  
(RIA E3 & C2 APPLY)  
UB = 30μ" [0.76μm] AVG. GOLD  
200μ" [5.08μm] 60:40 TIN LEAD SOLDER TAILS  
(RIA E3 & C2 APPLY)

RECOMMENDED HOLE PATTERN  
SHOWN FROM COMPONENT SIDE

|                        |  |                                 |  |                            |       |                                    |  |                                        |      |
|------------------------|--|---------------------------------|--|----------------------------|-------|------------------------------------|--|----------------------------------------|------|
| DESIGN REFERENCE       |  | NEXT ASSEMBLY                   |  | M                          | 56068 | AUG 11, 2014                       |  | JNC                                    | RS   |
| REV                    |  | ECO                             |  | REVISED AND REDRAWN        |       | DATE                               |  | DRFT                                   | CHKD |
| CUST CODES             |  | CUST CODES                      |  | DATE                       |       | DATE                               |  | DATE                                   |      |
| DIVISION               |  | DIVISION CODE                   |  | DATE                       |       | DATE                               |  | DATE                                   |      |
| Interconnect Solutions |  | EMSD                            |  | DATE                       |       | DATE                               |  | DATE                                   |      |
| DO NOT SCALE DRAWING   |  | SCALE 4/1                       |  | TOLERANCES EXCEPT AS NOTED |       | INCHES .00 ±.01 .000 ±.005 .0000 ± |  | MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ± |      |
| THIRD ANGLE PROJECTION |  | INTERPRET PER ASME Y14.5 - 2009 |  | CAGE NUMBER                |       | DRAWING NO.                        |  | REV.                                   |      |
| MAX SURFACE ROUGHNESS  |  | SURFACES                        |  | D                          |       | 78-5100-0770-7                     |  | M                                      |      |
| MARKED ONLY            |  | ANGLES                          |  | MODEL                      |       | 3000 SERIES                        |  | SHT 2 OF 5                             |      |

3M™ FOUR-WALL HEADER, 2500 SERIES  
.100" X .100" LOW PROFILE, SURFACE MOUNT, STRAIGHT AND RIGHT ANGLE THROUGH-HOLE



SECTION B - B

| TABLE 1  |               |               |                    |          |
|----------|---------------|---------------|--------------------|----------|
| PIN QTY. | DIM. "A"      | DIM. "B"      | POLARIZING NOTCHES | PIN QTY. |
| 06       | .588 [14.94]  | .508 [12.90]  | B                  | 06       |
| 08       | .688 [17.48]  | .608 [15.44]  | B                  | 08       |
| 10       | .788 [20.02]  | .708 [17.98]  | BC                 | 10       |
| 14       | .988 [25.10]  | .908 [23.06]  | BCDE               | 14       |
| 16       | 1.088 [27.64] | 1.008 [25.60] | ABCDE              | 16       |
| 20       | 1.288 [32.72] | 1.208 [30.68] | ABCDE              | 20       |
| 24       | 1.488 [37.80] | 1.408 [35.76] | ABCDE              | 24       |
| 26       | 1.588 [40.34] | 1.508 [38.30] | ABCDE              | 26       |
| 30       | 1.788 [45.42] | 1.708 [43.38] | ABCDE              | 30       |
| 34       | 1.988 [50.50] | 1.908 [48.46] | ABCDE              | 34       |
| 36       | 2.088 [53.04] | 2.008 [51.00] | ABCDE              | 36       |
| 40       | 2.288 [58.12] | 2.208 [56.08] | ABCDE              | 40       |
| 50       | 2.788 [70.82] | 2.708 [68.78] | ABCDE              | 50       |
| 60       | 3.288 [83.52] | 3.208 [81.48] | ABCDE              | 60       |
| 64       | 3.488 [88.60] | 3.408 [86.56] | ABCDE              | 64       |

ORDERING INFORMATION  
RIGHT ANGLE VERSION

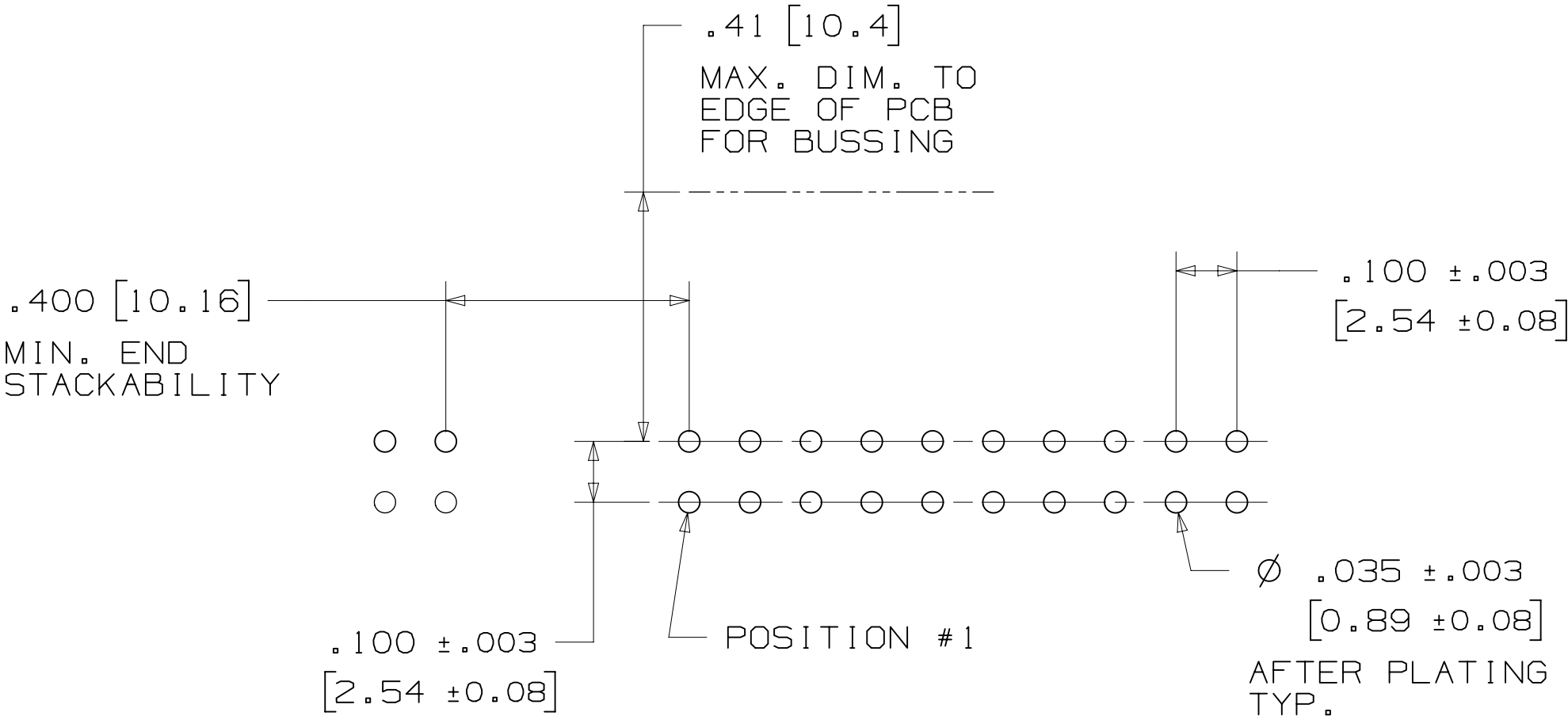
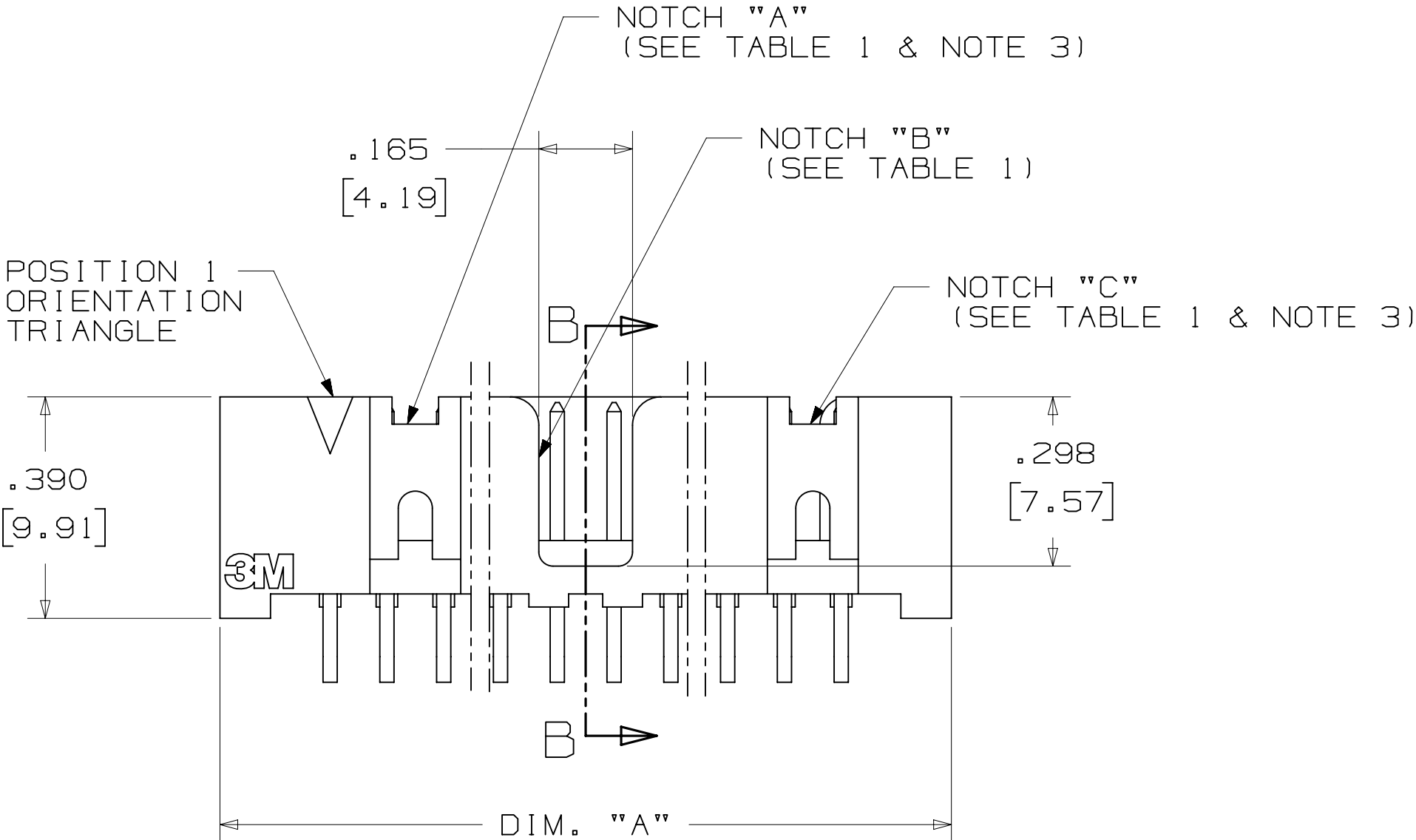
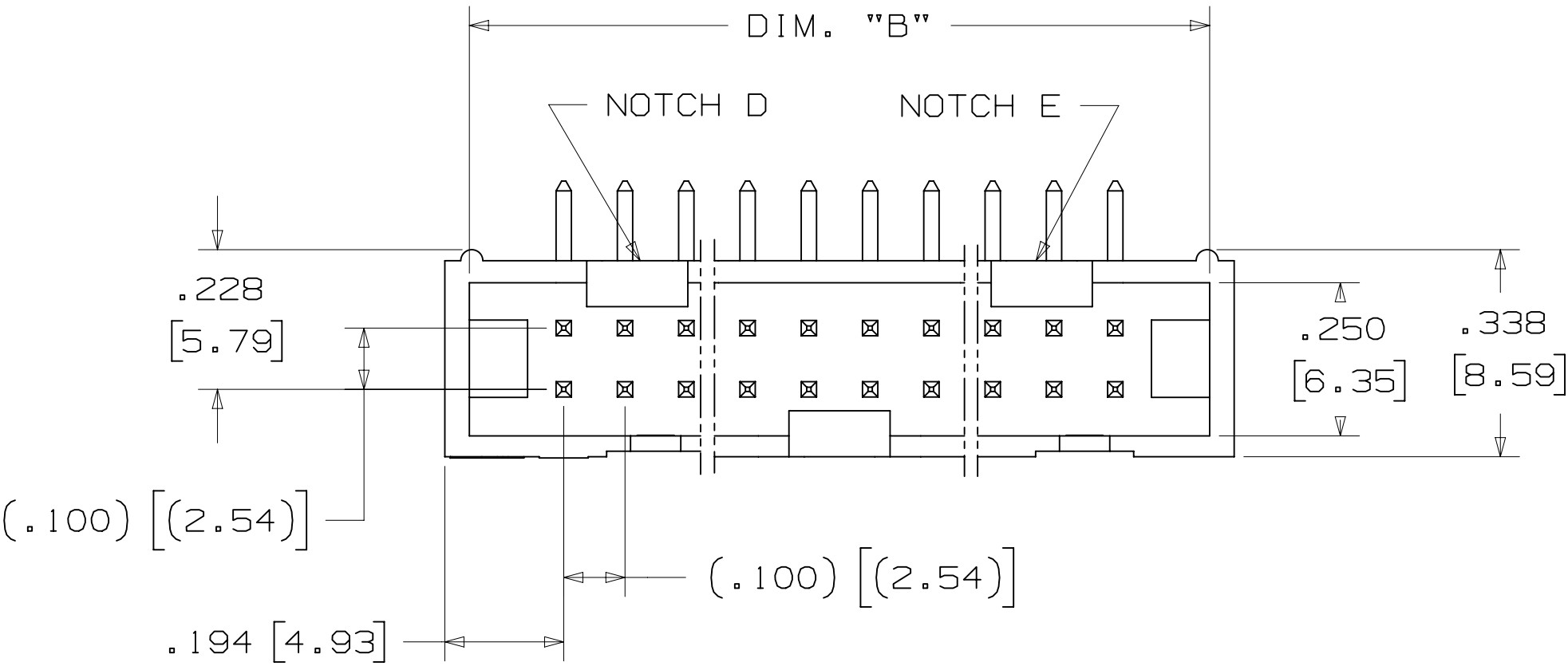
X25XX-50XX-XX

N= HIGH TEMP BLACK (PCT)  
(RB, UB OR UG PLATING REQ'D)  
BLANK= (UB OR UG PLATING)

PIN QUANTITY:  
(SEE TABLE 1)

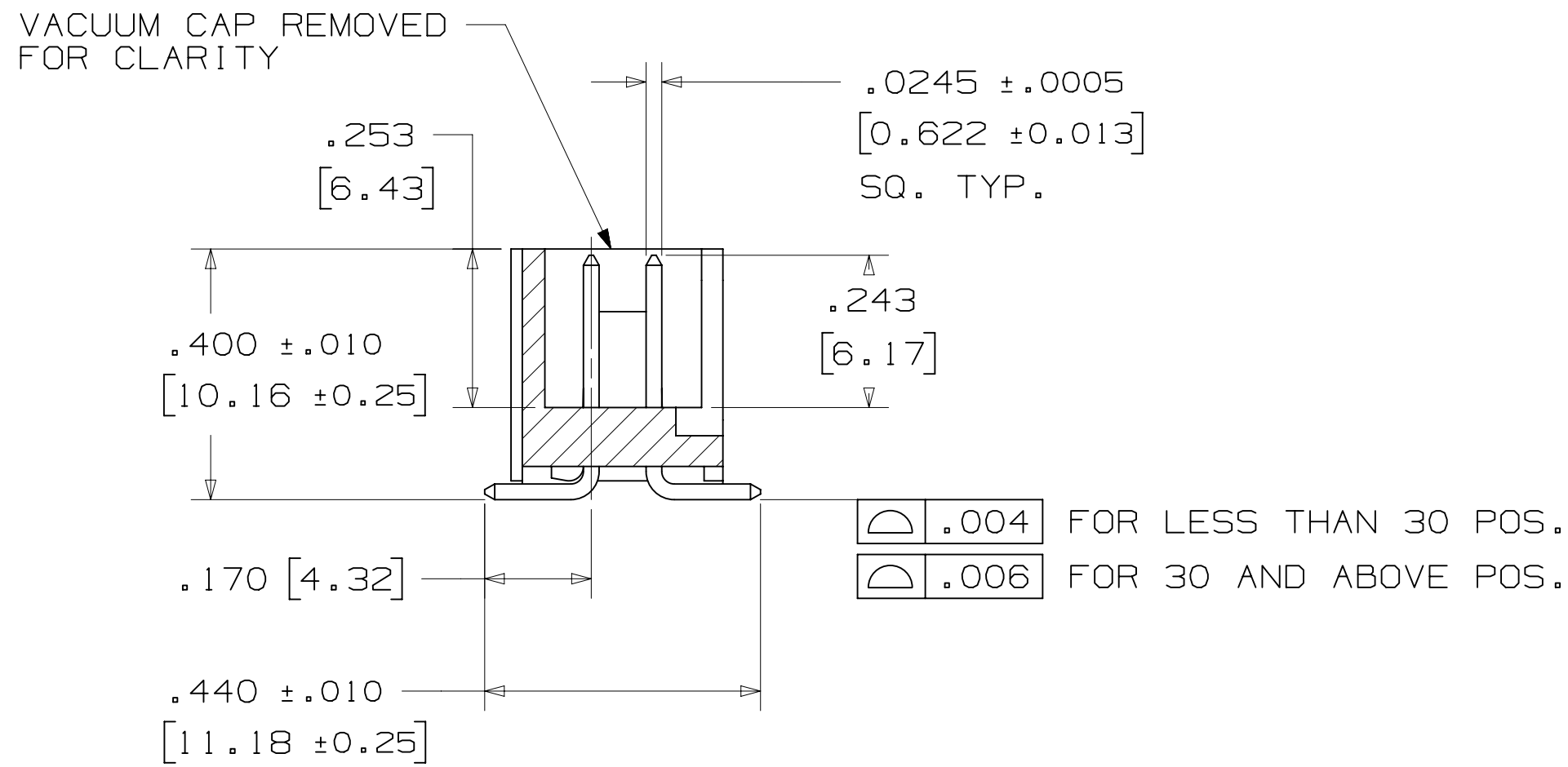
SOLDER TAIL:  
02 = FOR .062 [1.57] THICK BOARD  
03 = FOR .094 TO .125 [2.39 TO 3.18] THICK BOARD

PLATING:  
RB = 30μ" [0.76μm] AVG. GOLD  
200μ" [5.08μm] MATTE TIN (RIA, E1 & C1 APPLY)  
UG = 15μ" [0.38μm] AVG. GOLD  
200μ" [5.08μm] 60:40 TIN-LEAD SOLDER TAILS  
(RIA E3 & C2 APPLY)  
UB = 30μ" [0.76μm] AVG. GOLD  
200μ" [5.08μm] 60:40 TIN LEAD SOLDER TAILS  
(RIA E3 & C2 APPLY)



RECOMMENDED HOLE PATTERN  
SHOWN FROM COMPONENT SIDE

|                        |  |                                 |  |                            |  |              |  |            |  |      |  |
|------------------------|--|---------------------------------|--|----------------------------|--|--------------|--|------------|--|------|--|
| DESIGN REFERENCE       |  | NEXT ASSEMBLY                   |  | M 56068                    |  | AUG 11, 2014 |  | JNC        |  | RS   |  |
| REV                    |  | ECO                             |  | ISSUE DATE AND DESCRIPTION |  | DRFT         |  | CHKD       |  |      |  |
| CUST CODES             |  | CUST CODES                      |  | CUST CODES                 |  | CUST CODES   |  | CUST CODES |  |      |  |
| DIVISION               |  | INTERCONNECT SOLUTIONS          |  | DIVISION CODE              |  | EMSD         |  | DATE       |  | DATE |  |
| DO NOT SCALE DRAWING   |  | SCALE 4/1                       |  | TOLERANCES EXCEPT AS NOTED |  |              |  | DATE       |  | DATE |  |
| THIRD ANGLE PROJECTION |  |                                 |  | INCHES                     |  |              |  | DATE       |  | DATE |  |
| MAX SURFACE ROUGHNESS  |  | INTERPRET PER ASME Y14.5 - 2009 |  | MILLIMETERS                |  |              |  | DATE       |  | DATE |  |
| MARKED ONLY            |  |                                 |  | ANGLES                     |  |              |  | DATE       |  | DATE |  |
| CAGE NUMBER            |  | SIZE                            |  | DRAWING NO.                |  | REV.         |  | DATE       |  | DATE |  |
| D 78-5100-0770-7       |  | M                               |  | 3000 SERIES                |  | DET          |  | YES        |  | NO   |  |
| SHT 3 OF 5             |  |                                 |  |                            |  |              |  |            |  |      |  |



SECTION C - C

| TABLE 1  |                 |                 |                    |                        |          |
|----------|-----------------|-----------------|--------------------|------------------------|----------|
| PIN QTY. | DIM. "A"        | DIM. "B"        | POLARIZING NOTCHES | TAPE AND REEL PKG CODE | PIN QTY. |
| 06       | .588 [ 14.94 ]  | .508 [ 12.90 ]  | B                  | WD (44 MM)             | 06       |
| 08       | .688 [ 17.48 ]  | .608 [ 15.44 ]  | B                  | WD (44 MM)             | 08       |
| 10       | .788 [ 20.02 ]  | .708 [ 17.98 ]  | BC                 | WD (44 MM)             | 10       |
| 14       | .988 [ 25.10 ]  | .908 [ 23.06 ]  | BCDE               | WD (44 MM)             | 14       |
| 16       | 1.088 [ 27.64 ] | 1.008 [ 25.60 ] | ABCDE              | WD (44 MM)             | 16       |
| 20       | 1.288 [ 32.72 ] | 1.208 [ 30.68 ] | ABCDE              | WE (56 MM)             | 20       |
| 24       | 1.488 [ 37.80 ] | 1.408 [ 35.76 ] | ABCDE              | WE (56 MM)             | 24       |
| 26       | 1.588 [ 40.34 ] | 1.508 [ 38.30 ] | ABCDE              | WE (56 MM)             | 26       |
| 30       | 1.788 [ 45.42 ] | 1.708 [ 43.38 ] | ABCDE              | WF (72 MM)             | 30       |
| 34       | 1.988 [ 50.50 ] | 1.908 [ 48.46 ] | ABCDE              | WF (72 MM)             | 34       |
| 36       | 2.088 [ 53.04 ] | 2.008 [ 51.00 ] | ABCDE              | WG (88 MM)             | 36       |
| 40       | 2.288 [ 58.12 ] | 2.208 [ 56.08 ] | ABCDE              | WG (88 MM)             | 40       |
| 50       | 2.788 [ 70.82 ] | 2.708 [ 68.78 ] | ABCDE              | WG (88 MM)             | 50       |
| 60       | 3.288 [ 83.52 ] | 3.208 [ 81.48 ] | ABCDE              | WH (120 MM)            | 60       |
| 64       | 3.488 [ 88.60 ] | 3.408 [ 86.56 ] | ABCDE              | WH (120 MM)            | 64       |

ORDERING INFORMATION  
SURFACE MOUNT VERSION

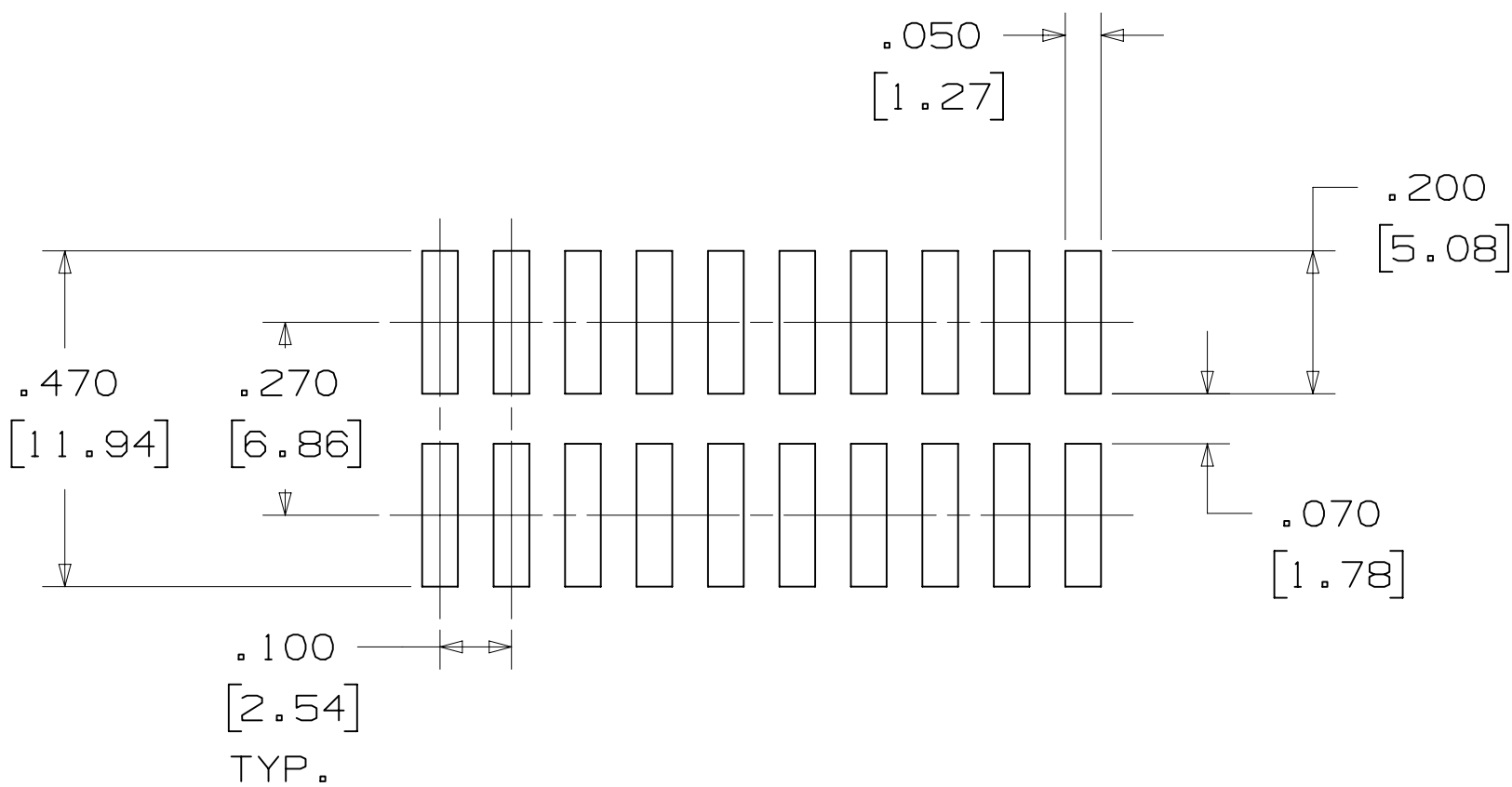
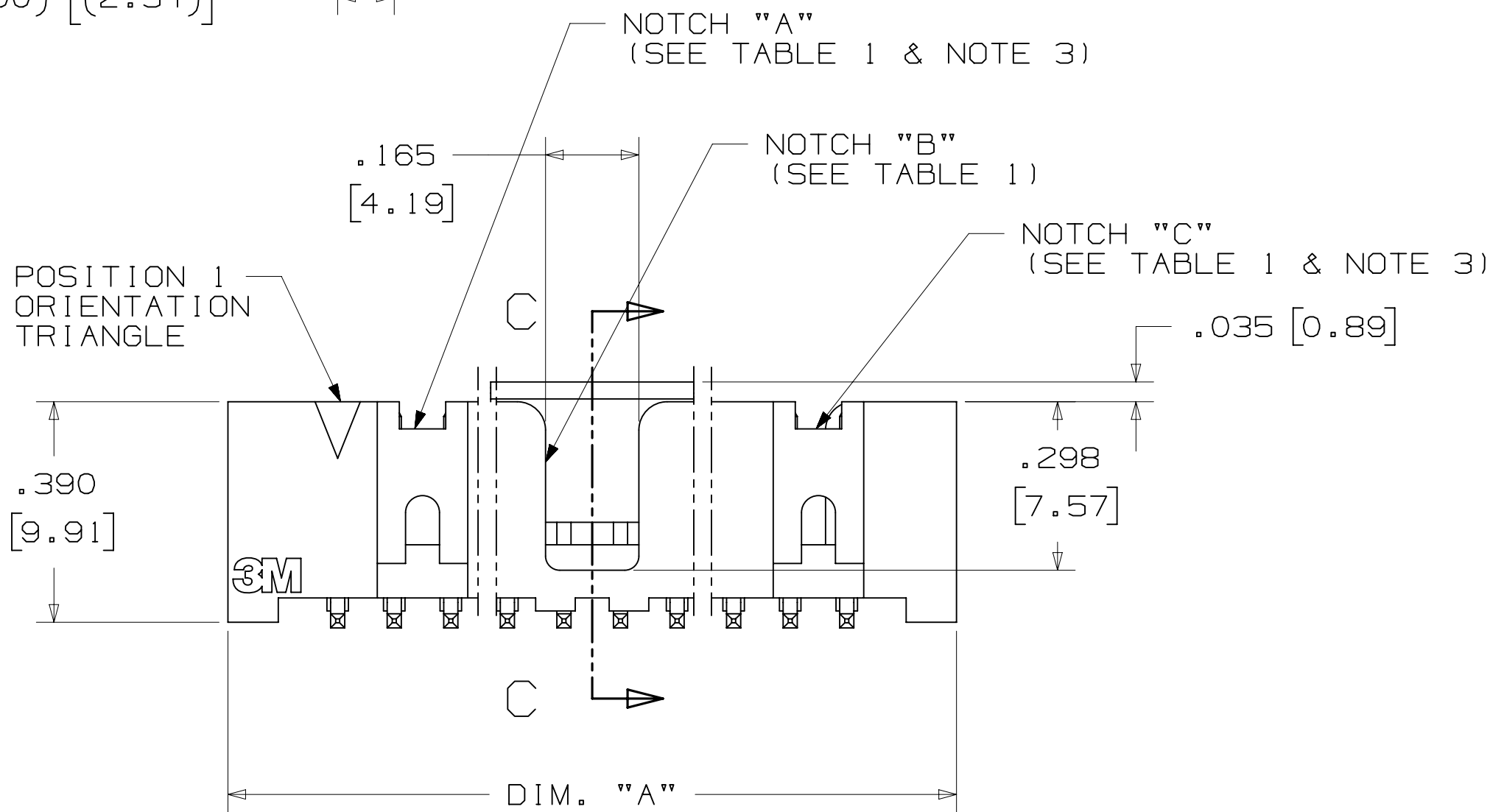
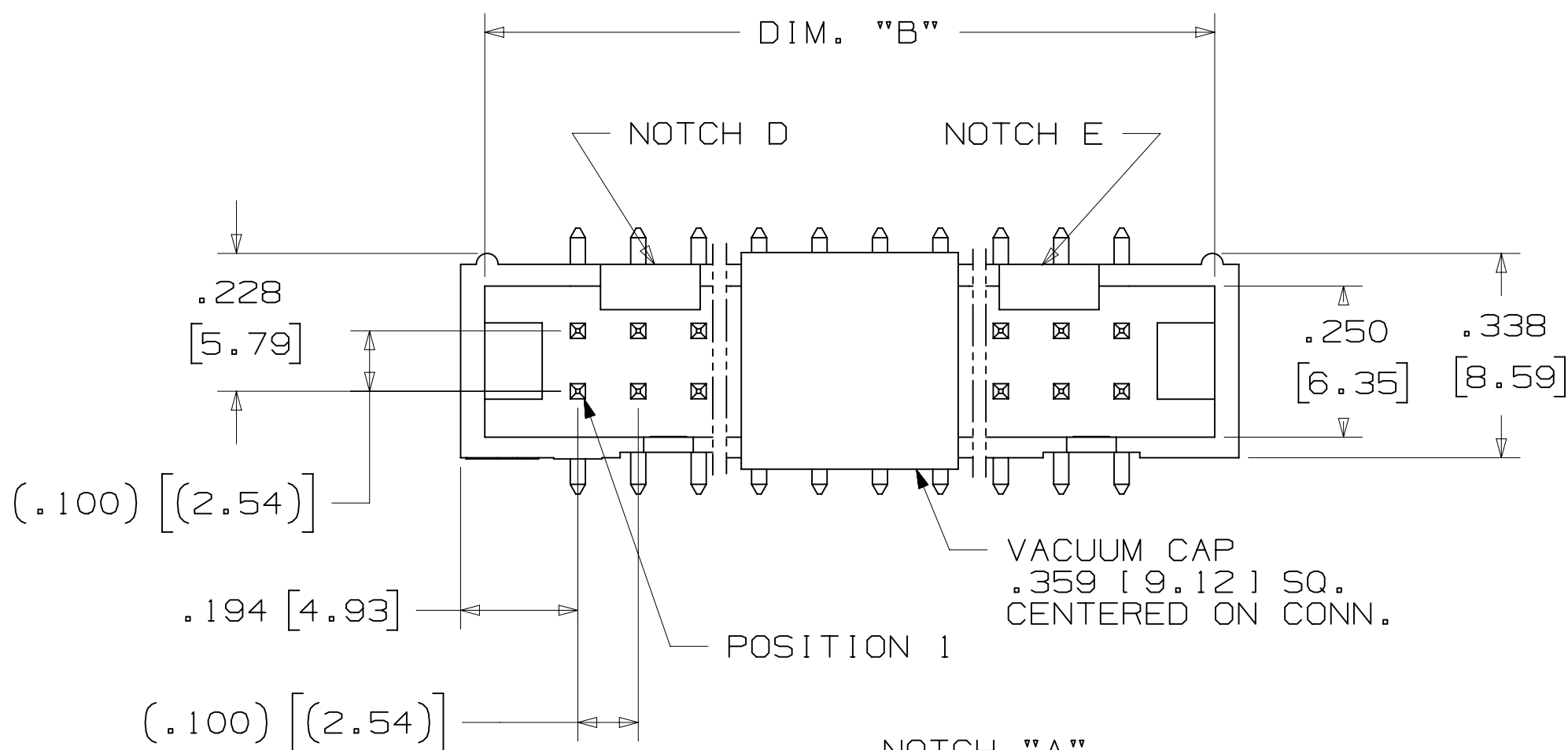
N25XX-6VOC-XX-XX

N = HIGH TEMP BLACK (PCT)  
(RB PLATING REQ'D)

PIN QUANTITY:  
(SEE TABLE 1)

PACKAGING OPTIONS:  
WX = TAPE & REEL PACKAGING (SEE TABLE 1)

PLATING:  
RB = 30µ" [ 0.76µm ] AVG. GOLD  
200µ" [ 5.08µm ] MATTE TIN (RIA, E1 & C1 APPLY)



RECOMMENDED PAD LAYOUT

|                        |  |                                      |  |                                |  |                              |  |                                                                                                                                                                                                                        |  |      |  |
|------------------------|--|--------------------------------------|--|--------------------------------|--|------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|--|
| DESIGN REFERENCE       |  | NEXT ASSEMBLY                        |  | M 56068                        |  | AUG 11, 2014                 |  | JNC                                                                                                                                                                                                                    |  | RS   |  |
| REV                    |  | ECO                                  |  | ISSUE DATE AND DESCRIPTION     |  | DRFT                         |  | CHKD                                                                                                                                                                                                                   |  |      |  |
| CUST CODES             |  | CUST CODES                           |  | DATE                           |  | DATE                         |  | DATE                                                                                                                                                                                                                   |  | DATE |  |
| DIVISION               |  | DIVISION CODE                        |  | DATE                           |  | DATE                         |  | DATE                                                                                                                                                                                                                   |  | DATE |  |
| Interconnect Solutions |  | EMSD                                 |  | AUG 11, 2014                   |  | AUG 11, 2014                 |  | SEP 05, 2014                                                                                                                                                                                                           |  |      |  |
| DO NOT SCALE DRAWING   |  | SCALE 4 1                            |  | TOLERANCES EXCEPT AS NOTED     |  | 3M                           |  | © 3M COPYRIGHT 2015                                                                                                                                                                                                    |  |      |  |
| THIRD ANGLE PROJECTION |  | INCHES .00 ± .01 .000 ± .005 .0000 ± |  | MILLIMETERS 0 ± .0 ± .13 .00 ± |  | 3M Center St. Paul, MN 55144 |  | 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. |  |      |  |
| MAX SURFACE ROUGHNESS  |  | SURFACES                             |  | CAGE NUMBER                    |  | SIZE                         |  | DRAWING NO.                                                                                                                                                                                                            |  | REV. |  |
| MARKED ONLY            |  | ANGLES                               |  | D 78-5100-0770-7               |  | M                            |  | MODEL                                                                                                                                                                                                                  |  | REV. |  |
|                        |  |                                      |  | 3000 SERIES                    |  | DET                          |  | YES                                                                                                                                                                                                                    |  | NO   |  |
|                        |  |                                      |  | SHT 4 OF 5                     |  |                              |  |                                                                                                                                                                                                                        |  |      |  |

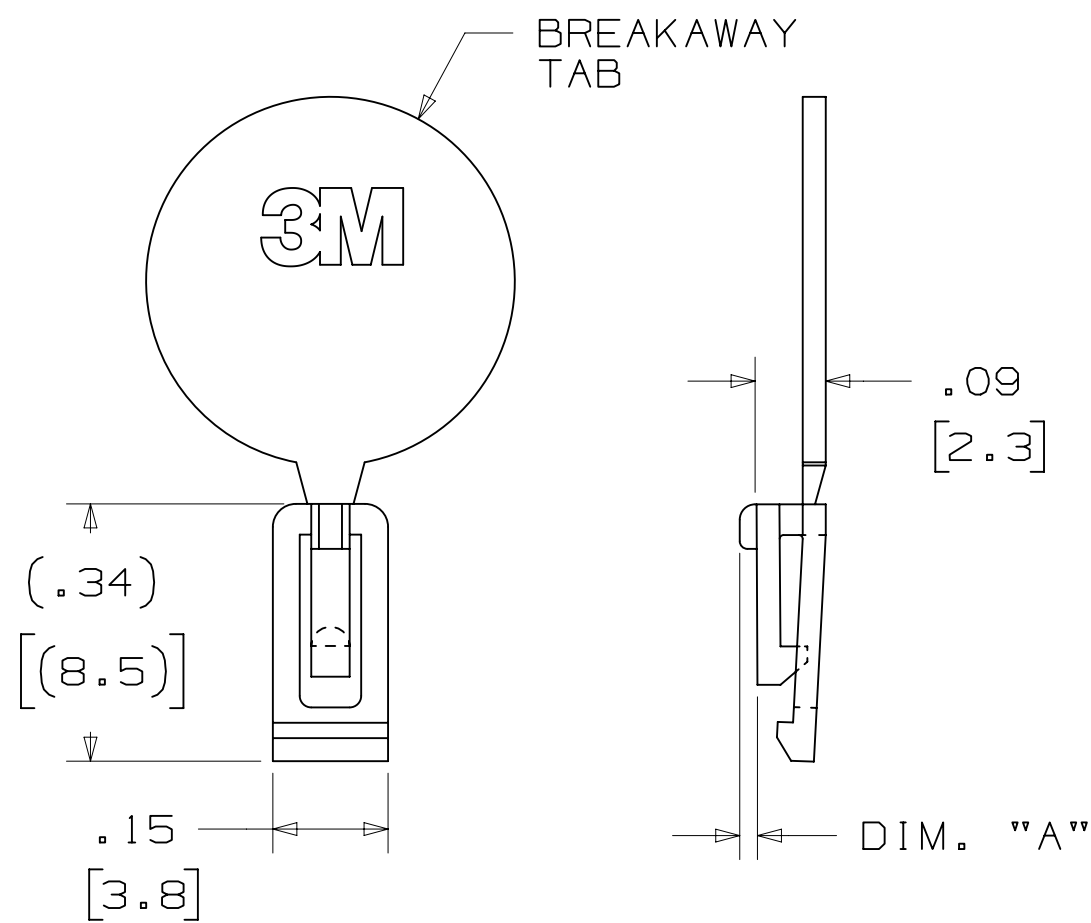
PART CUSTOMIZATION

THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

- \* SELECTIVE PIN REMOVAL (FOR BOARD ASSEMBLY POLARIZATION).
- \* DIFFERENT PIN LENGTHS.

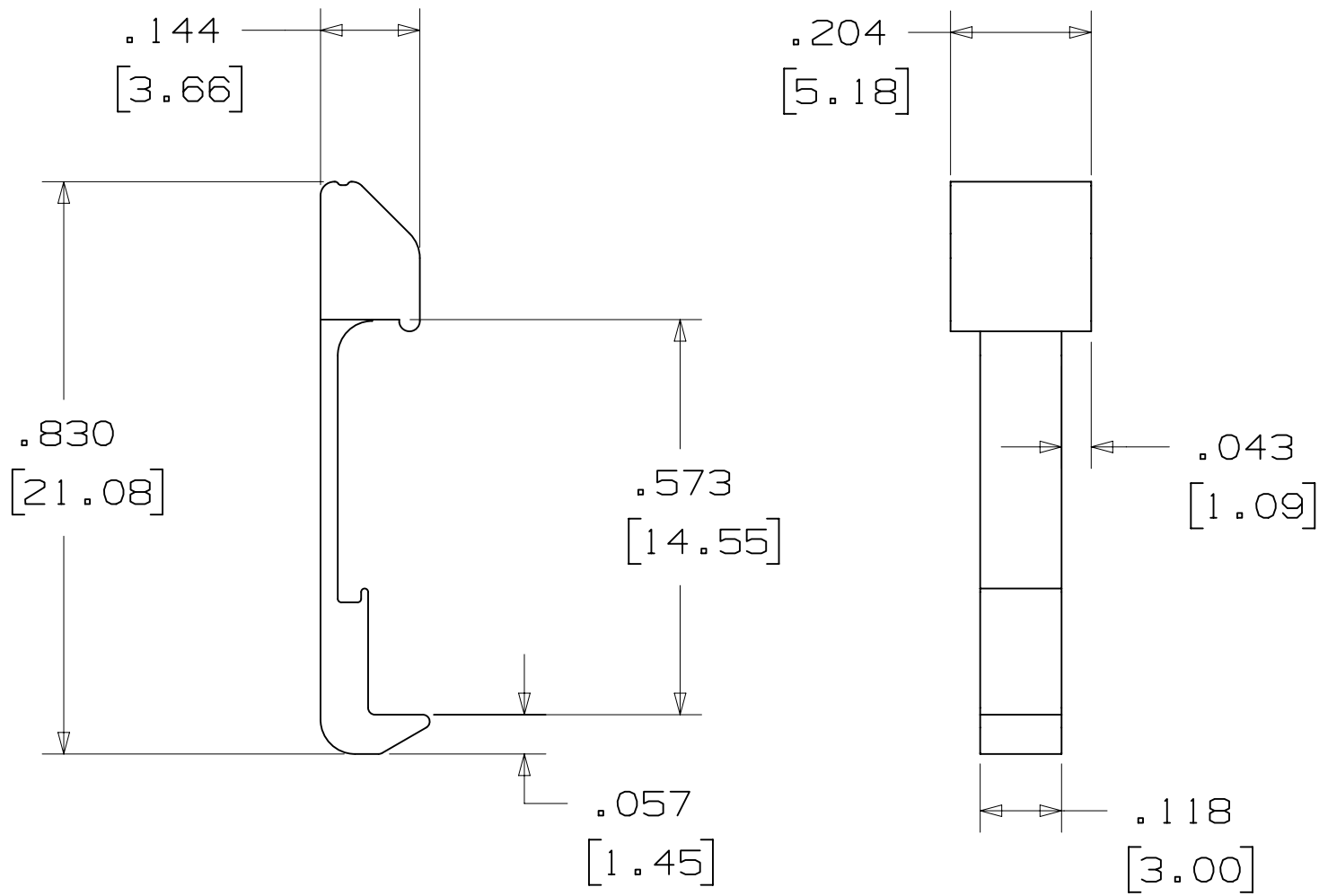
POLARIZING KEY



| 3M PART NO. | MATERIAL | COLOR | DIM. "A" |
|-------------|----------|-------|----------|
| N3518       | LCP      | BLACK | .02      |

NOTE:  
#2216 B/A SCOTCHWELD CAN BE USED TO ADHERE KEYS.

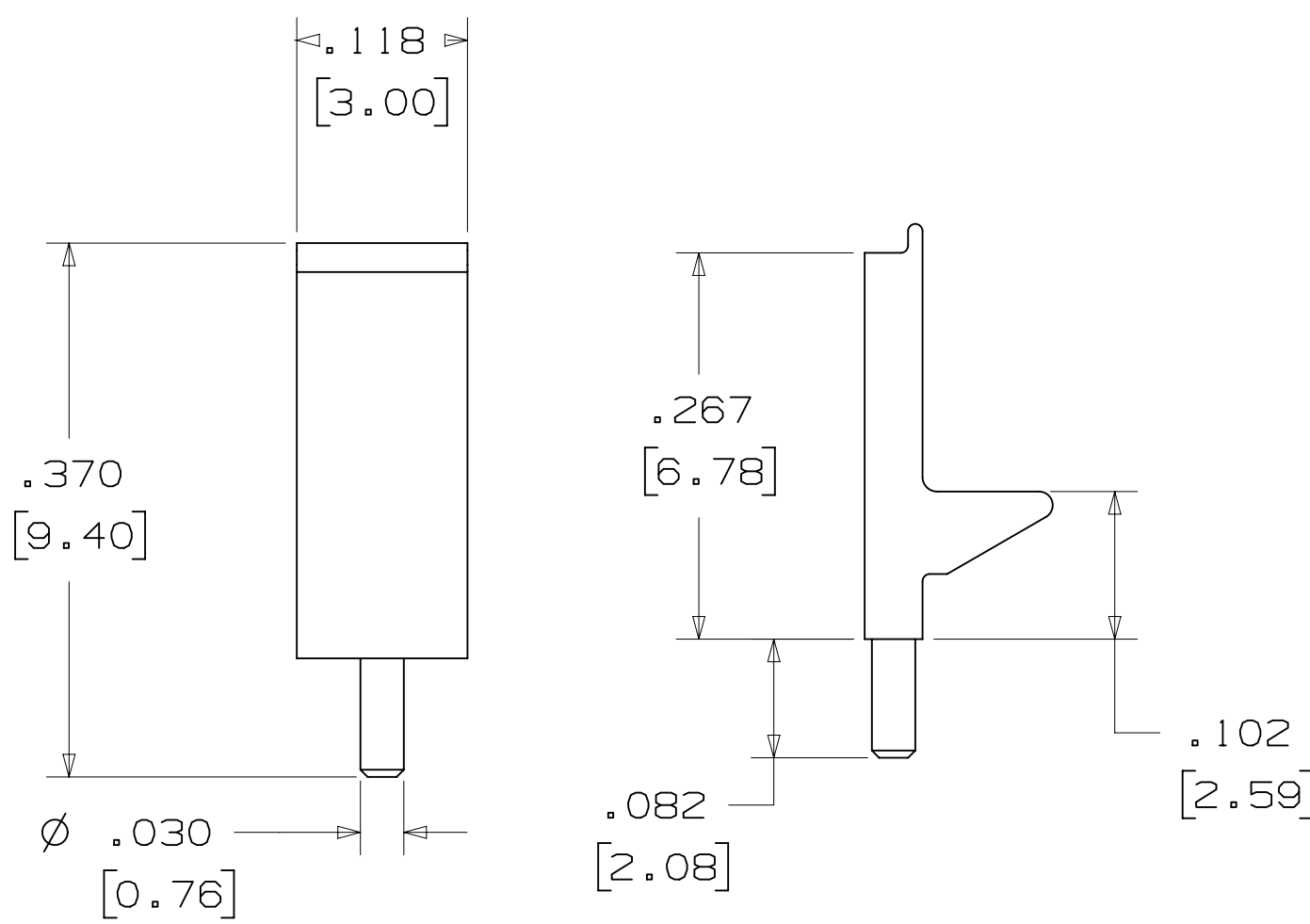
LOW PROFILE LATCH



| PART NO. | MATERIAL | COLOR |
|----------|----------|-------|
| 3505-33B | NYLON    | BLACK |

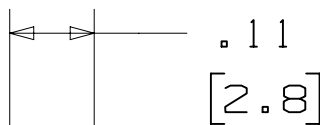
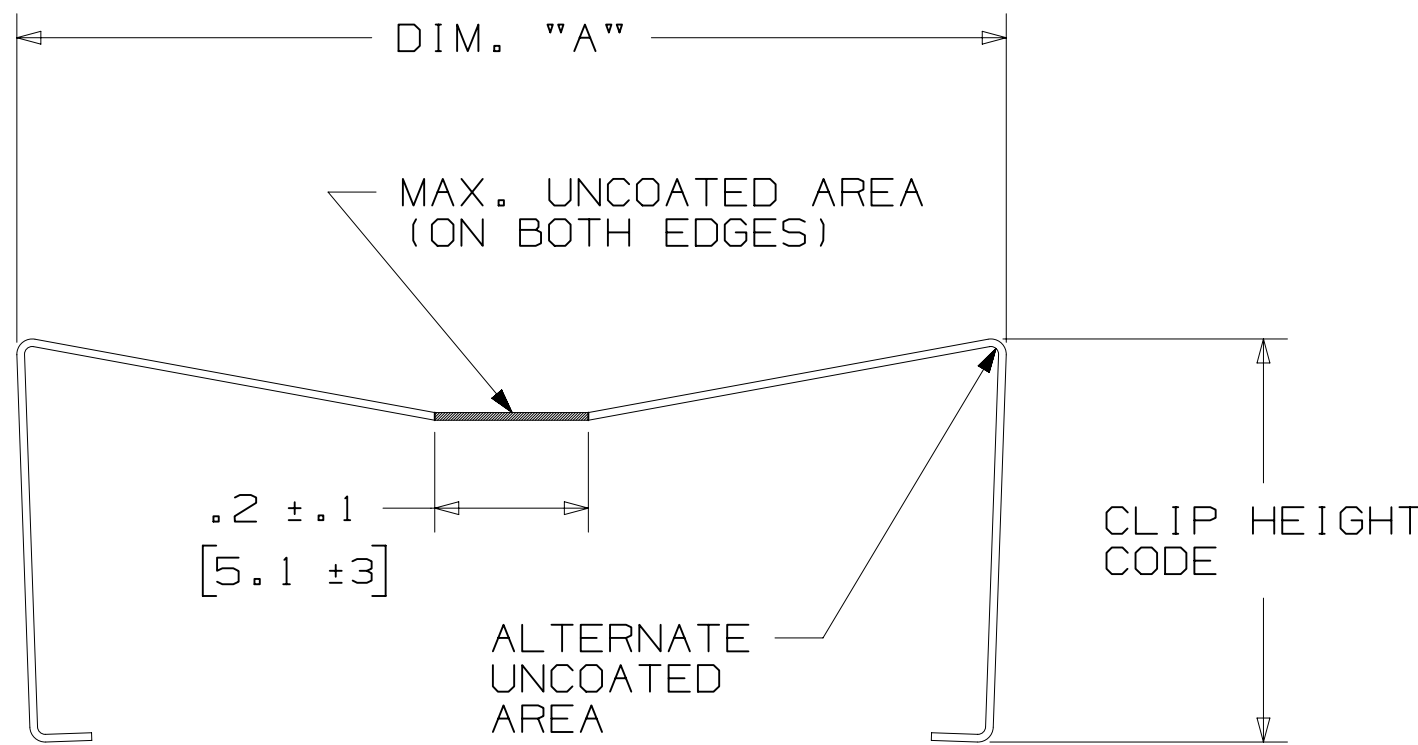
NOTE:  
LATCHES NOT COMPATIBLE WITH REFLOW SOLDERING.  
ATTACH LATCHES AFTER SOLDERING.

POLARIZING POST



| PART NO. | MATERIAL | COLOR |
|----------|----------|-------|
| 3201-3   | PCT      | BLACK |

SHORT/LONG SOCKET RETAINER CLIP



| PIN QTY. | DIM. "A"      |
|----------|---------------|
| 06       | N/A           |
| 08       | N/A           |
| 10       | .81 [ 20.6 ]  |
| 14       | 1.02 [ 25.9 ] |
| 16       | 1.12 [ 28.4 ] |
| 20       | 1.32 [ 33.5 ] |
| 24       | 1.52 [ 38.7 ] |
| 26       | 1.63 [ 41.4 ] |
| 30       | 1.83 [ 46.4 ] |
| 34       | 2.03 [ 51.6 ] |
| 36       | N/A           |
| 40       | 2.33 [ 59.2 ] |
| 50       | 2.83 [ 71.9 ] |
| 60       | 3.33 [ 84.6 ] |
| 64       | 3.53 [ 89.7 ] |

NOTE:  
STAINLESS STEEL WITH GRAY POLYURETHANE COATING.

3505-8XXX  
CLIP HEIGHT CODE — PIN COUNT (SEE TABLE)  
0 = .31 [7.9] FOR SOCKETS WITHOUT STRAIN RELIEF  
1 = .53 [13.5] FOR SOCKETS WITH STRAIN RELIEF

|                                 |  |                                 |  |                                 |  |                                 |  |                                 |  |    |  |
|---------------------------------|--|---------------------------------|--|---------------------------------|--|---------------------------------|--|---------------------------------|--|----|--|
| DESIGN REFERENCE                |  | NEXT ASSEMBLY                   |  | M 56068                         |  | AUG 11, 2014                    |  | JNC                             |  | RS |  |
| REV                             |  | ECO                             |  | ISSUE DATE AND DESCRIPTION      |  | DRFT                            |  | CHKD                            |  |    |  |
| CUST CODES                      |  | CUST CODES                      |  | CUST CODES                      |  | CUST CODES                      |  | CUST CODES                      |  |    |  |
| DIVISION                        |  | DIVISION                        |  | DIVISION                        |  | DIVISION                        |  | DIVISION                        |  |    |  |
| Interconnect Solutions          |  | EMSD                            |  | EMSD                            |  | EMSD                            |  | EMSD                            |  |    |  |
| DO NOT SCALE DRAWING            |  | SCALE 4 1                       |  | TOLERANCES EXCEPT AS NOTED      |  | TOLERANCES EXCEPT AS NOTED      |  | TOLERANCES EXCEPT AS NOTED      |  |    |  |
| THIRD ANGLE PROJECTION          |  | THIRD ANGLE PROJECTION          |  | THIRD ANGLE PROJECTION          |  | THIRD ANGLE PROJECTION          |  | THIRD ANGLE PROJECTION          |  |    |  |
| INTERPRET PER ASME Y14.5 - 2009 |  | INTERPRET PER ASME Y14.5 - 2009 |  | INTERPRET PER ASME Y14.5 - 2009 |  | INTERPRET PER ASME Y14.5 - 2009 |  | INTERPRET PER ASME Y14.5 - 2009 |  |    |  |
| MAX SURFACE ROUGHNESS           |  | MAX SURFACE ROUGHNESS           |  | MAX SURFACE ROUGHNESS           |  | MAX SURFACE ROUGHNESS           |  | MAX SURFACE ROUGHNESS           |  |    |  |
| MARKED ONLY                     |  | MARKED ONLY                     |  | MARKED ONLY                     |  | MARKED ONLY                     |  | MARKED ONLY                     |  |    |  |
| CAGE NUMBER                     |  | CAGE NUMBER                     |  | CAGE NUMBER                     |  | CAGE NUMBER                     |  | CAGE NUMBER                     |  |    |  |
| D 78-5100-0770-7                |  | D 78-5100-0770-7                |  | D 78-5100-0770-7                |  | D 78-5100-0770-7                |  | D 78-5100-0770-7                |  |    |  |
| MODEL                           |  | MODEL                           |  | MODEL                           |  | MODEL                           |  | MODEL                           |  |    |  |
| 3000 SERIES                     |  | 3000 SERIES                     |  | 3000 SERIES                     |  | 3000 SERIES                     |  | 3000 SERIES                     |  |    |  |
| DET                             |  | DET                             |  | DET                             |  | DET                             |  | DET                             |  |    |  |
| YES                             |  | YES                             |  | YES                             |  | YES                             |  | YES                             |  |    |  |
| SHT 5 OF 5                      |  | SHT 5 OF 5                      |  | SHT 5 OF 5                      |  | SHT 5 OF 5                      |  | SHT 5 OF 5                      |  |    |  |