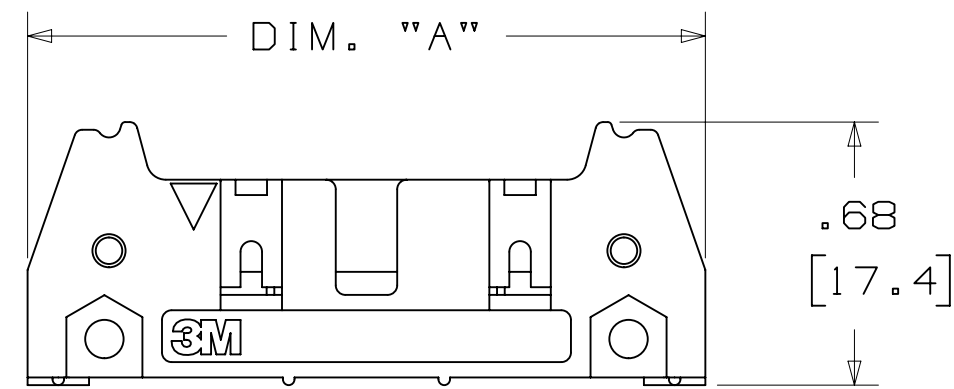


.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

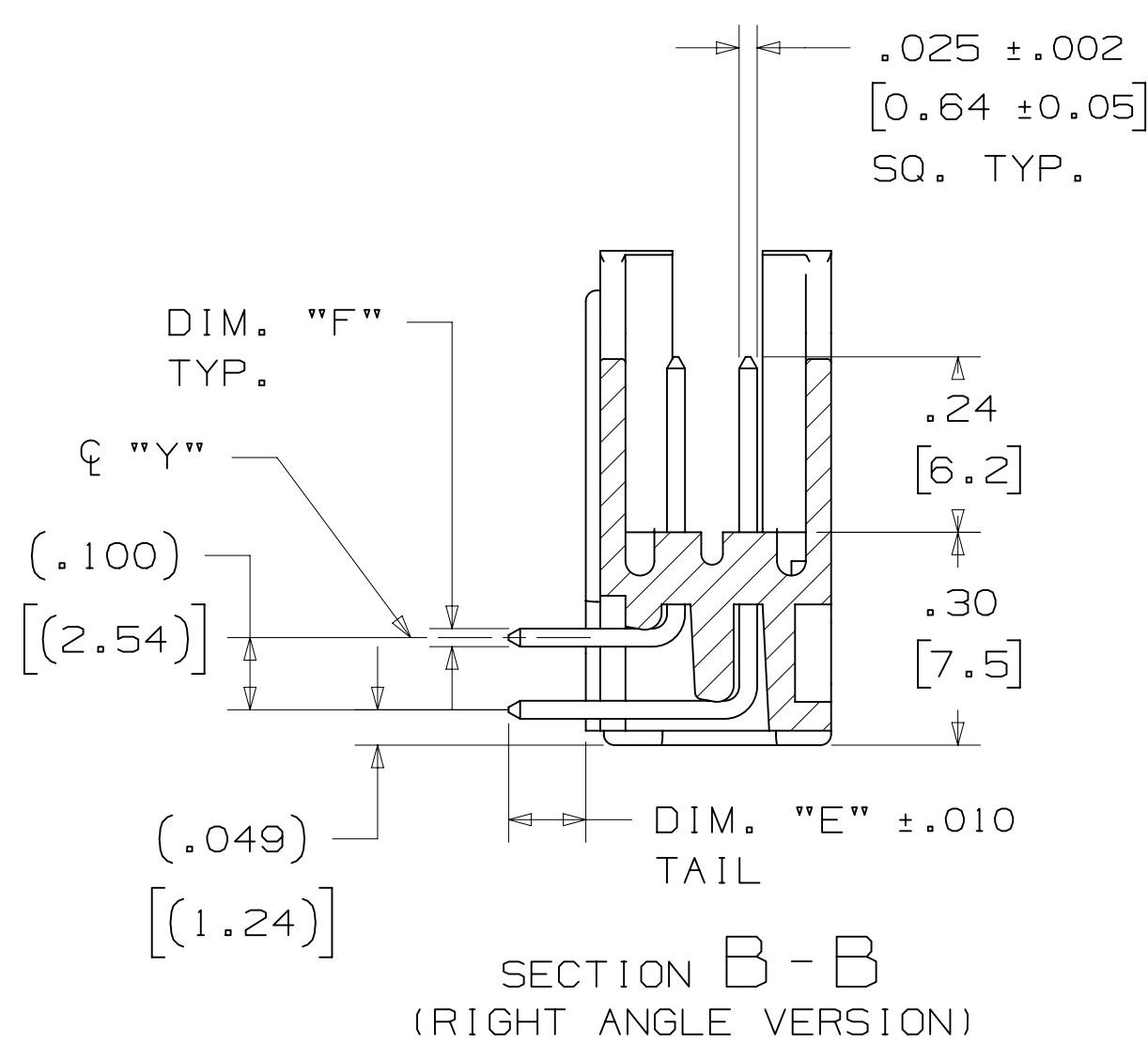


Technical drawing of a mechanical part with dimensions:

- Top left dimension:  $.573 \pm .010$
- Top left dimension in brackets:  $[14.55 \pm 0.25]$
- Left side dimension:  $.08$
- Left side dimension in brackets:  $[2.0]$
- Right side dimension:  $(1.07)$
- Right side dimension in brackets:  $[(27.2)]$

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

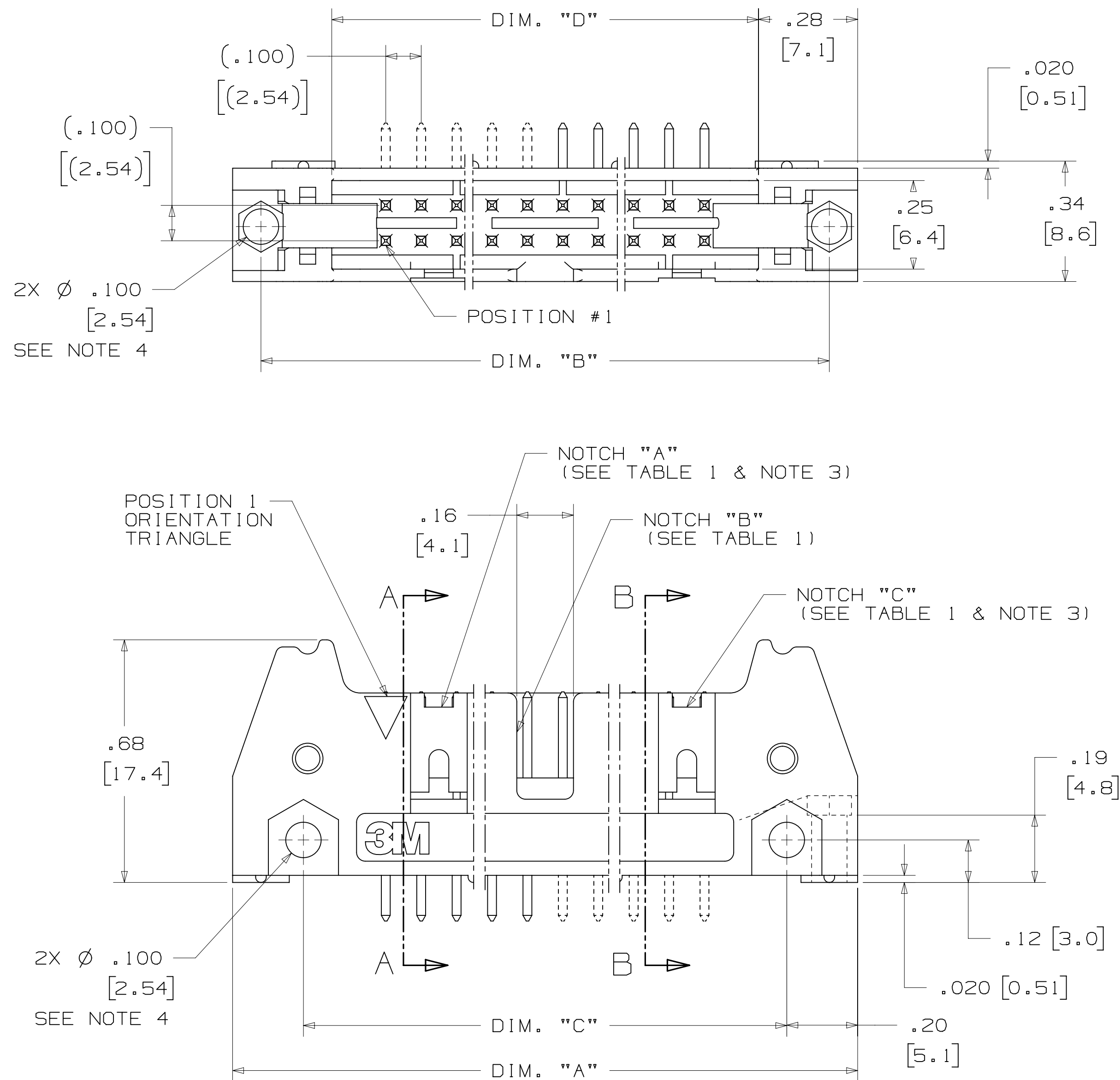
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



| PIN QTY. | 3M PART NUMBER | DIM. "A"       | DIM. "B"        | DIM. "C"        | DIM. "D"      | POLARIZING NOTCHES | PIN QTY |
|----------|----------------|----------------|-----------------|-----------------|---------------|--------------------|---------|
| 06       | 3869           | 1.06 [ 27.0 ]  | .905 [ 22.99 ]  | .665 [ 16.89 ]  | .51 [ 12.9 ]  | B*                 | 06      |
| 08       | 3889           | 1.16 [ 29.5 ]  | 1.005 [ 25.53 ] | .765 [ 19.43 ]  | .61 [ 15.5 ]  | B*                 | 08      |
| 10       | 3793           | 1.26 [ 32.1 ]  | 1.105 [ 28.04 ] | .865 [ 21.97 ]  | .71 [ 18.0 ]  | BC                 | 10      |
| 14       | 3314           | 1.46 [ 37.2 ]  | 1.305 [ 33.12 ] | 1.065 [ 27.05 ] | .91 [ 23.1 ]  | BC                 | 14      |
| 16       | 3408           | 1.56 [ 39.7 ]  | 1.405 [ 35.66 ] | 1.165 [ 29.59 ] | 1.01 [ 25.6 ] | ABC                | 16      |
| 20       | 3428           | 1.76 [ 44.8 ]  | 1.604 [ 40.74 ] | 1.365 [ 34.67 ] | 1.21 [ 30.7 ] | ABC                | 20      |
| 24       | 3627           | 1.96 [ 49.9 ]  | 1.805 [ 45.82 ] | 1.565 [ 39.75 ] | 1.41 [ 35.8 ] | ABC                | 24      |
| 26       | 3429           | 2.06 [ 52.4 ]  | 1.905 [ 48.36 ] | 1.665 [ 42.29 ] | 1.51 [ 38.3 ] | ABC                | 26      |
| 30       | 3440           | 2.26 [ 57.5 ]  | 2.105 [ 53.44 ] | 1.865 [ 47.37 ] | 1.71 [ 43.4 ] | ABC                | 30      |
| 34       | 3431           | 2.46 [ 62.6 ]  | 2.305 [ 58.52 ] | 2.065 [ 52.45 ] | 1.91 [ 48.5 ] | ABC                | 34      |
| 40       | 3432           | 2.76 [ 70.2 ]  | 2.605 [ 66.14 ] | 2.365 [ 60.07 ] | 2.21 [ 56.1 ] | ABC                | 40      |
| 50       | 3433           | 3.26 [ 82.9 ]  | 3.105 [ 78.84 ] | 2.865 [ 72.77 ] | 2.71 [ 68.8 ] | ABC                | 50      |
| 60       | 3372           | 3.76 [ 95.6 ]  | 3.605 [ 91.54 ] | 3.365 [ 85.47 ] | 3.21 [ 81.5 ] | ABC                | 60      |
| 64       | 3764           | 3.96 [ 100.7 ] | 3.805 [ 96.62 ] | 3.565 [ 90.55 ] | 3.41 [ 86.6 ] | ABC                | 64      |

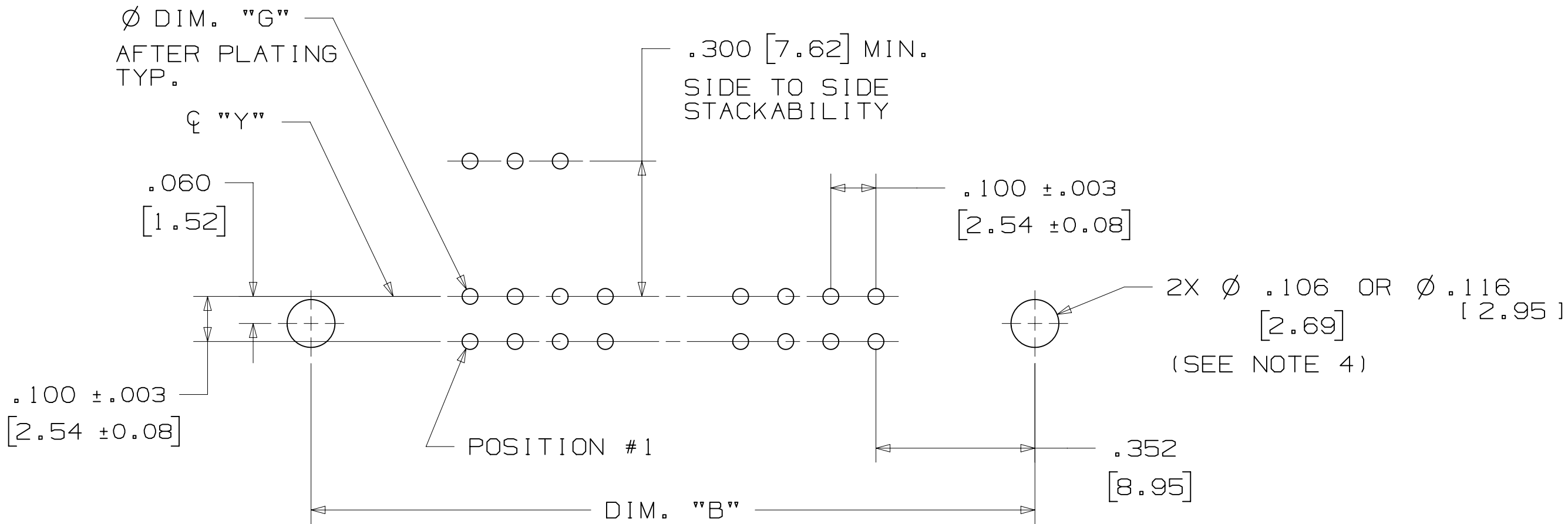
\* AVAILABLE WITHOUT CENTER NOTCH B. CONTACT 3M

| 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                       |                                                     |               |                         |                      |                     |                                    |

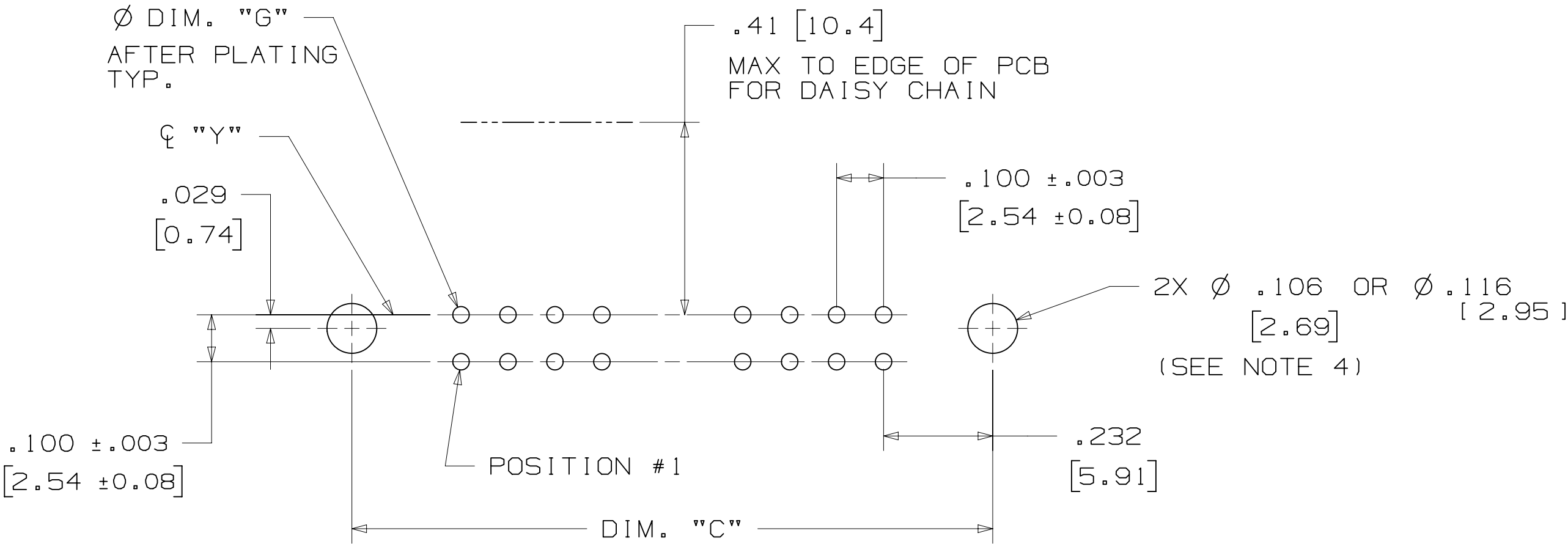


|                                                                                       |  |                                                                            |  |                                                                                                                                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

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



RECOMMENDED MOUNTING HOLE PATTERN  
(STRAIGHT VERSION)



RECOMMENDED MOUNTING HOLE PATTERN  
(RIGHT ANGLE VERSION)

PART CUSTOMIZATION

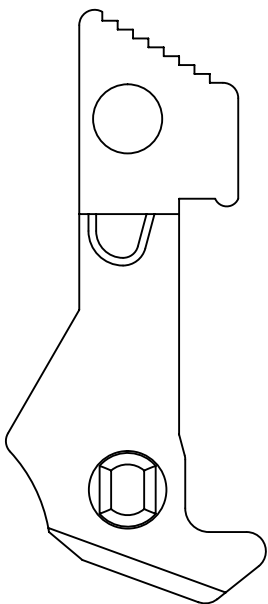
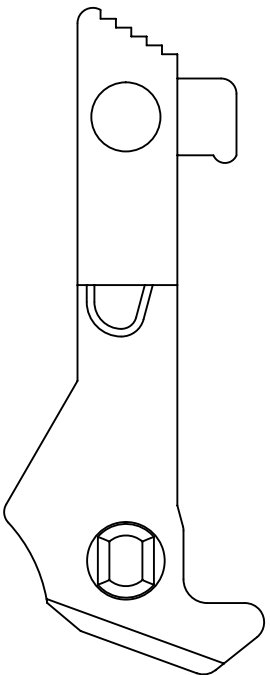
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

| MATERIAL         | SHORT LATCH | LONG LATCH | LATCH STYLE | COLOR |
|------------------|-------------|------------|-------------|-------|
| HIGH TEMP. (PCT) | N3505-2B    | N3505-3B   | ROLL PIN    | BLACK |
| HIGH TEMP (PPA)  | N3505-30B   | N3505-31B  | SNAP-IN     | BLACK |

- \* SELECTIVE PIN REMOVAL (ATA OR OTHER COMPATABILITY)
- \* WIRE WRAP TAILS STYLE

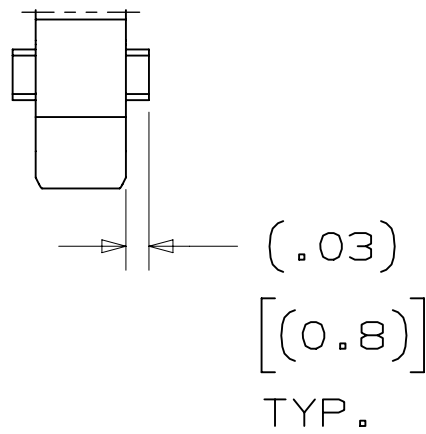


LONG

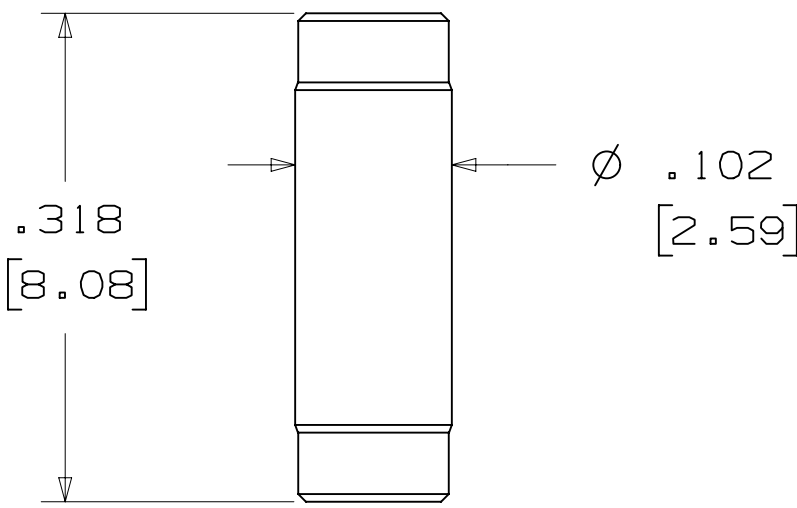
SHORT

SNAP-IN LATCHES

NOTE:  
SNAP-IN LATCHES CAN ONLY BE ORDERED SEPARATELY AND ARE THE CUSTOMERS RESPONSIBILITY TO INSTALL.



POLARIZING POST



| 3M PART NO. | MATERIAL | COLOR |
|-------------|----------|-------|
| 3201-4      | LCP      | BLACK |

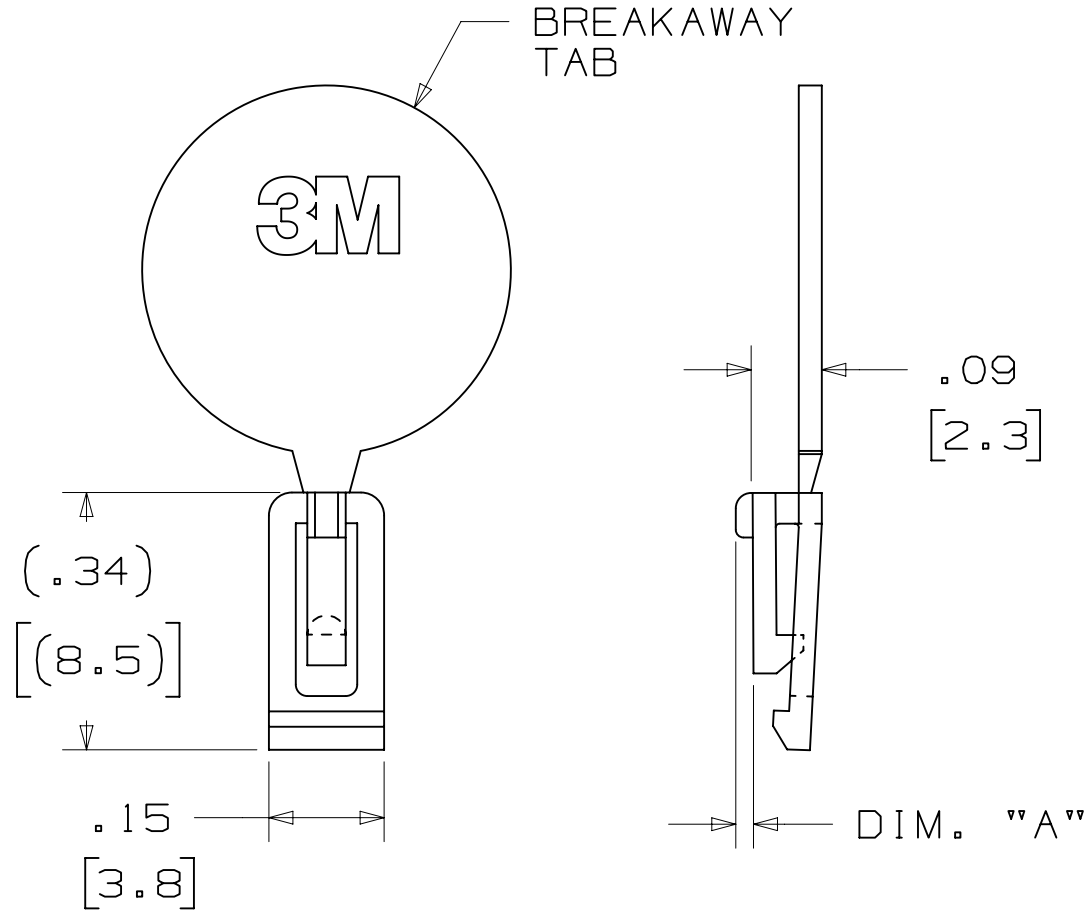
NOTE:  
INSERT POST INTO ONE MOUNTING HARDWARE HOLE ON BOTTOM OF HEADER. SET POST TO PROTRUDE .115 [2.92]

K2 OPTION

| 2500 & 3000 SERIES SHROUDED HEADER |                     |                  |    |    |    |  |
|------------------------------------|---------------------|------------------|----|----|----|--|
| TOTAL NO. OF PINS                  | NO. OF TAILS KINKED | POSITIONS KINKED |    |    |    |  |
| 10                                 | 4                   | 3                | 4  | 7  | 8  |  |
| 14                                 | 4                   | 3                | 4  | 11 | 12 |  |
| 16                                 | 4                   | 3                | 4  | 13 | 14 |  |
| 20                                 | 4                   | 3                | 4  | 17 | 18 |  |
| 24                                 | 4                   | 3                | 4  | 21 | 22 |  |
| 26                                 | 4                   | 3                | 4  | 23 | 24 |  |
| 30                                 | 4                   | 5                | 6  | 25 | 26 |  |
| 34                                 | 4                   | 7                | 8  | 27 | 28 |  |
| 36                                 | 4                   | 7                | 8  | 27 | 28 |  |
| 40                                 | 4                   | 7                | 8  | 33 | 34 |  |
| 50                                 | 4                   | 7                | 8  | 43 | 44 |  |
| 60                                 | 4                   | 11               | 12 | 49 | 50 |  |
| 64                                 | 4                   | 11               | 12 | 53 | 54 |  |

KINKED TAIL DETAIL:  
- KINK IS LOCATED .05" BELOW BOTTOM SURFACE OF PLASTIC.  
- EXTERNAL RADIUS OF KINK TOWARD PART CENTERLINE.

POLARIZING KEYS



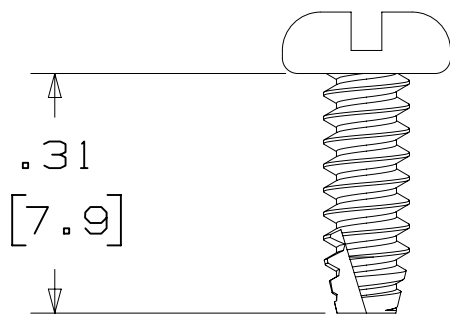
| 3M PART NO. | MATERIAL | COLOR | DIM. "A" |
|-------------|----------|-------|----------|
| N3518       | LCP      | BLACK | .02      |

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

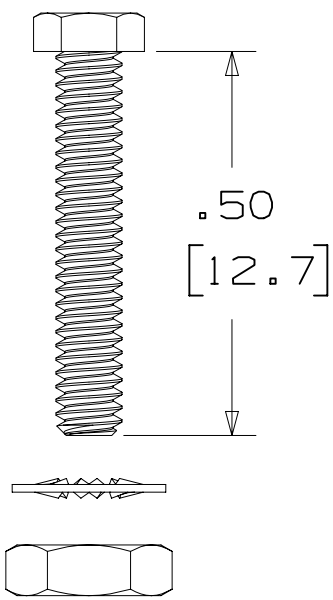
|                                                 |  |                                           |  |                            |  |                                    |  |                                                          |  |                                                   |  |                                                                                                                                                                      |  |
|-------------------------------------------------|--|-------------------------------------------|--|----------------------------|--|------------------------------------|--|----------------------------------------------------------|--|---------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| DESIGN REFERENCE                                |  | NEXT ASSEMBLY                             |  | REV                        |  | ECO                                |  | ISSUE DATE AND DESCRIPTION                               |  | DRFT                                              |  | CHKD                                                                                                                                                                 |  |
| <del>ACCESS CODES</del>                         |  | <del>ACCESS CODES</del>                   |  | <del>DFT</del>             |  | <del>CAST</del>                    |  | <del>IGL</del> ONE                                       |  | <del>DATE</del>                                   |  | <del>DATE</del>                                                                                                                                                      |  |
|                                                 |  |                                           |  |                            |  |                                    |  | JUL 25, 2014                                             |  | MG                                                |  | DATE                                                                                                                                                                 |  |
|                                                 |  |                                           |  |                            |  |                                    |  | DATE                                                     |  | REV                                               |  | DATE                                                                                                                                                                 |  |
|                                                 |  |                                           |  |                            |  |                                    |  |                                                          |  | R. SCHERER                                        |  | SEP 05, 2014                                                                                                                                                         |  |
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| DO NOT SCALE DRAWING                            |  | SCALE 4 1                                 |  | TOLERANCES EXCEPT AS NOTED |  |                                    |  |                                                          |  |                                                   |  |                                                                                                                                                                      |  |
|                                                 |  | INCHES                                    |  | TITLE                      |  |                                    |  | HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA |  |                                                   |  |                                                                                                                                                                      |  |
| THIRD ANGLE PROJECTION                          |  | .00 ± .01<br>.000 ± .005<br>.0000 ± .0002 |  | MILLIMETERS                |  | 0 ± .3<br>.00 ± .13<br>.000 ± .002 |  | CAGE NUMBER                                              |  | SIZE                                              |  | DRAWING NO.                                                                                                                                                          |  |
| <del>INTERPRET PER ASME Y14.5 - 2009</del>      |  |                                           |  |                            |  |                                    |  | D                                                        |  | 578-000-0772-3                                    |  | REV. S                                                                                                                                                               |  |
| <del>MAX SURFACE ROUGHNESS</del>                |  | <del>MAX SURFACES</del>                   |  | <del>ANGLE</del>           |  | <del>3000 SERIES</del>             |  | <del>DET. LISTS</del>                                    |  | <del>YES</del> <del>NO</del>                      |  | <del>SHT 3 OF 4</del>                                                                                                                                                |  |
| <input checked="" type="checkbox"/> MARKED ONLY |  |                                           |  |                            |  |                                    |  |                                                          |  |                                                   |  |                                                                                                                                                                      |  |

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

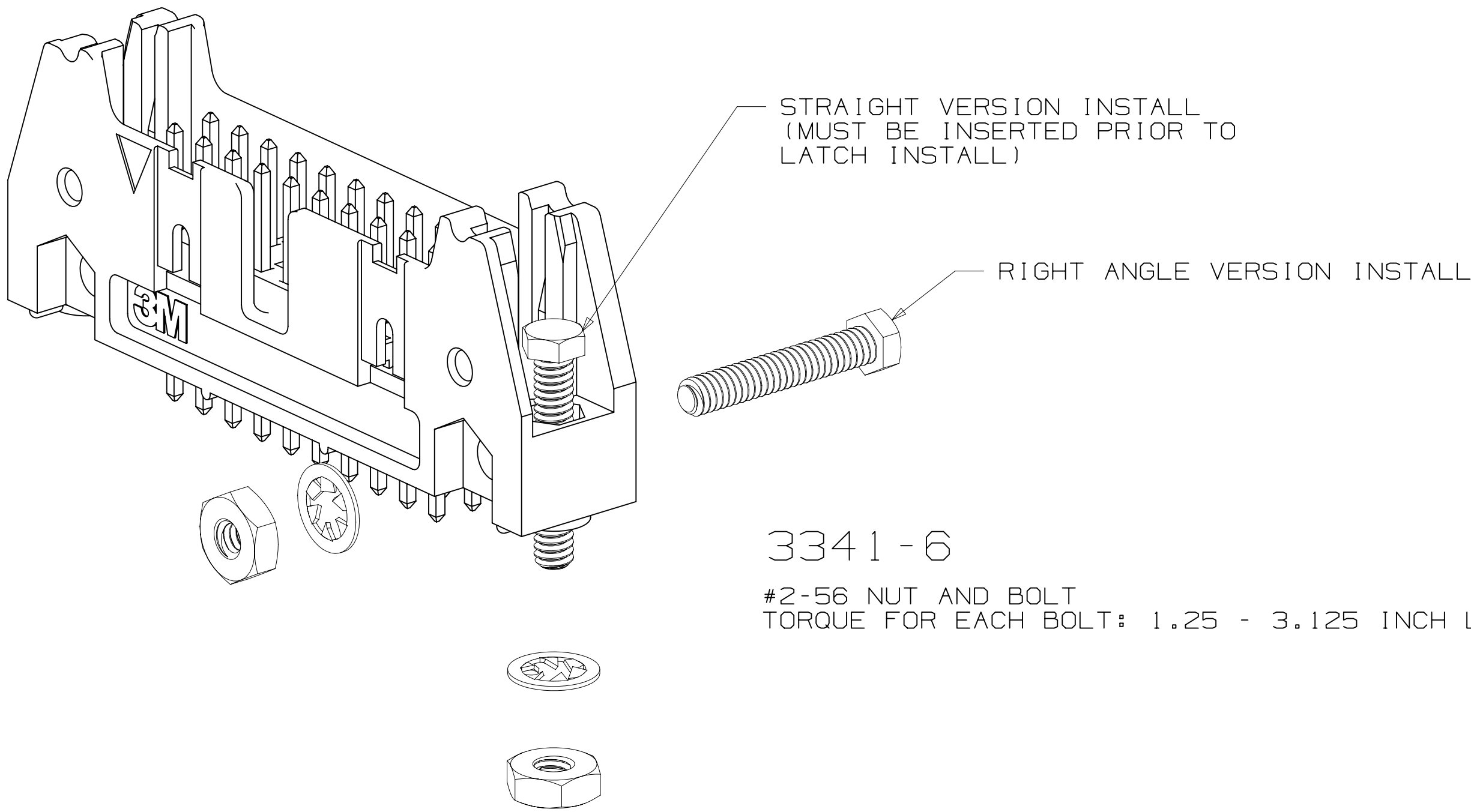
MOUNTING HARDWARE



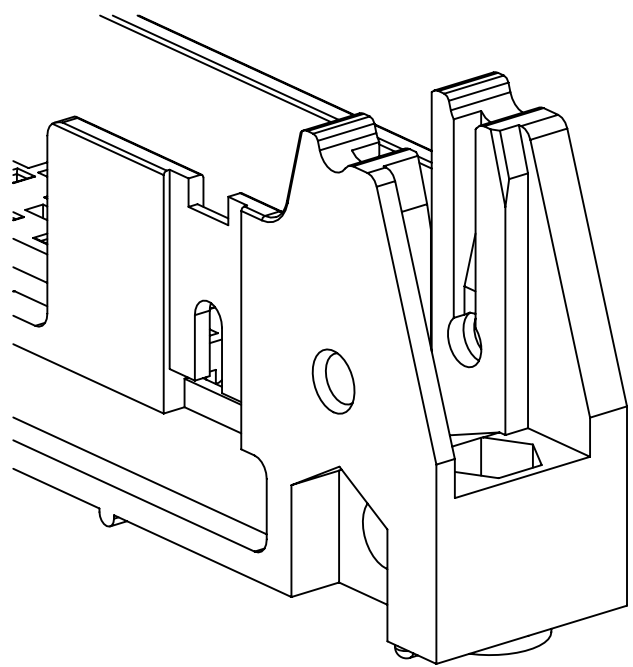
3341-5  
(INSTALL FROM BOTTOM OF BOARD)  
PANHEAD THREAD CUTTING SCREW:  
#4-24 X 5/16"  
TYPE: USA STD BT, FEDERAL BG  
MATERIAL: STAINLESS STEEL



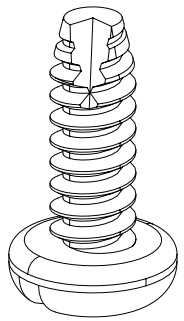
3341-6  
HEX HEAD BOLT, NUT AND WASHER:  
BOLT - #2-56 X 1/2"  
MATERIAL: STAINLESS STEEL



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

|                                 |  |               |  |                                                                                                                                                                                                                        |  |                       |  |              |  |
|---------------------------------|--|---------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|--|--------------|--|
| S                               |  | 60056         |  | MAR 06, 2015                                                                                                                                                                                                           |  | JNC                   |  | RS           |  |
| R                               |  | 56068         |  | JUL 25, 2014                                                                                                                                                                                                           |  | JNC                   |  | RS           |  |
| REV                             |  | ECO           |  | ISSUE DATE AND DESCRIPTION                                                                                                                                                                                             |  | DRFT                  |  | CHKD         |  |
| DPR1                            |  | CASTIGLIONE   |  | DATE                                                                                                                                                                                                                   |  | MFG                   |  | DATE         |  |
| CHKD                            |  |               |  | JUL 25, 2014                                                                                                                                                                                                           |  | R. SCHERER            |  | SEP 05, 2014 |  |
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| DO NOT SCALE DRAWING            |  | SCALE 4 1     |  | TOLERANCES EXCEPT AS NOTED                                                                                                                                                                                             |  | 3M St. Paul, MN 55144 |  |              |  |
| THIRD ANGLE PROJECTION          |  | INCHES        |  | TITLE                                                                                                                                                                                                                  |  |                       |  |              |  |
| INTERPRET PER ASME Y14.5 - 2009 |  | MILLIMETERS   |  | HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA                                                                                                                                                               |  |                       |  |              |  |
| MAX SURFACE ROUGHNESS           |  | SURFACES      |  | CAGE NUMBER                                                                                                                                                                                                            |  | SIZE                  |  | DRAWING NO.  |  |
| MARKED ONLY                     |  | ANGLES        |  | D                                                                                                                                                                                                                      |  | 78-5100-0772-3        |  | REV.         |  |
|                                 |  |               |  | MODEL                                                                                                                                                                                                                  |  | 3000 SERIES           |  | DET          |  |
|                                 |  |               |  |                                                                                                                                                                                                                        |  |                       |  | LISTS        |  |
|                                 |  |               |  |                                                                                                                                                                                                                        |  |                       |  | YES NO       |  |
|                                 |  |               |  |                                                                                                                                                                                                                        |  |                       |  | SHT 4 OF 4   |  |