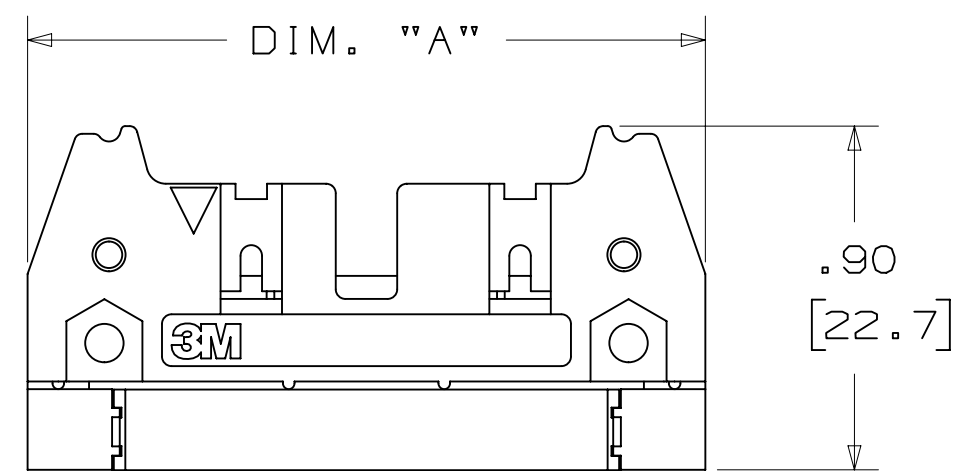
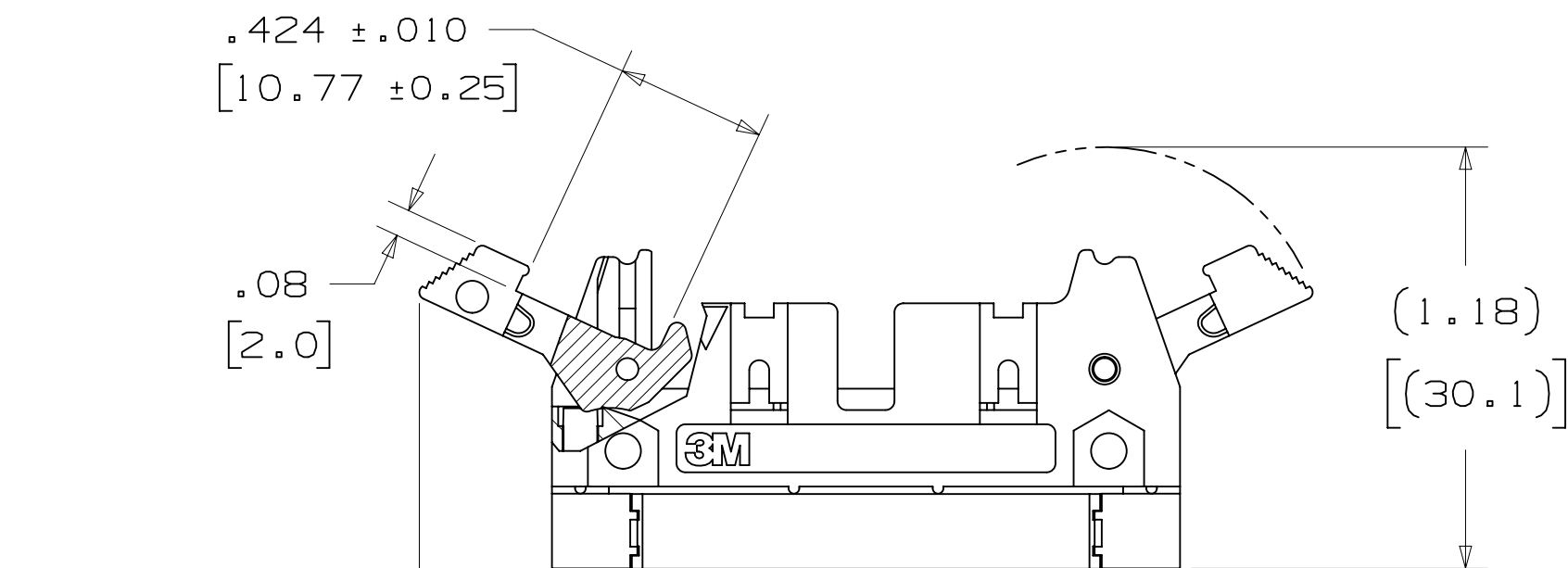


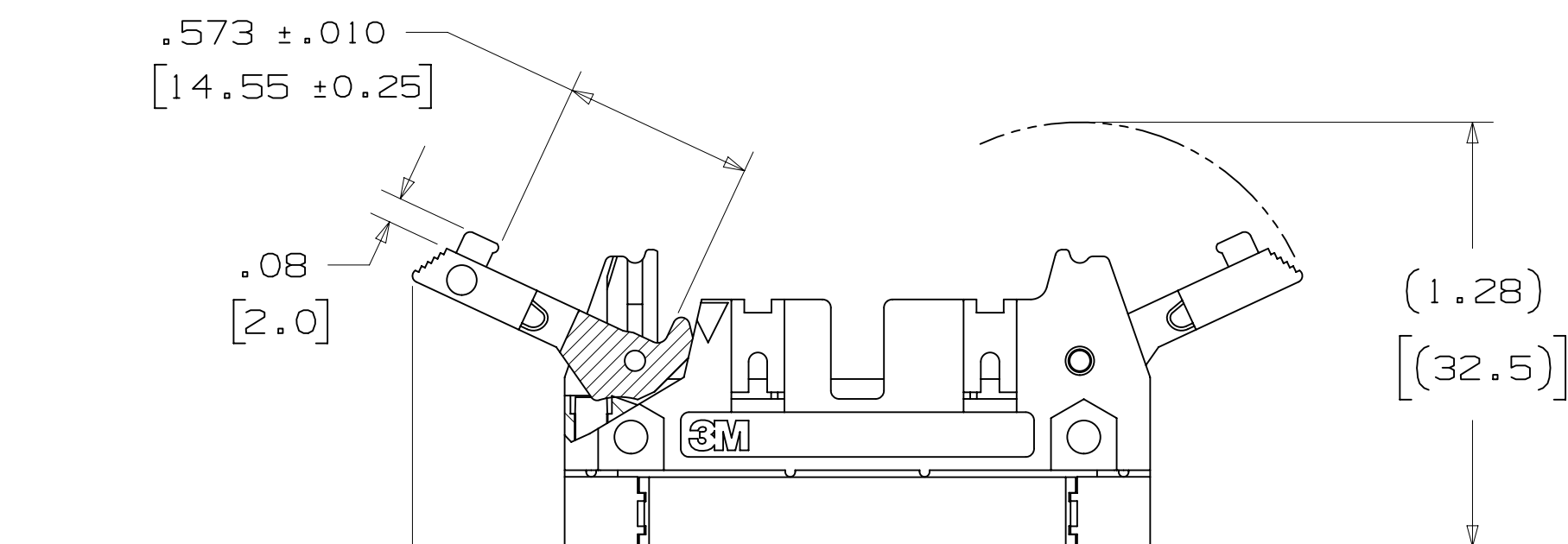
## .100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-DOOX  
HEADER WITHOUT LATCH EJECTOR



(.37) [(9.5)]  -D20X  
HEADER WITH SHORT LATCH EJECTOR  
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



(.46) [(11.7)]  -D30X  
HEADER WITH LONG LATCH EJECTOR  
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX-DXXXXX

3M PART NUMBER:  
(SEE TABLE 1)

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

- PLATING:

RB = 30 $\mu$ " [ 0.76 $\mu$ m ] GOLD AND 200 $\mu$ " [ 5.08 $\mu$ m ] MATTE TIN  
(APP. E1 & C1 APPLY)

UB = 30 $\mu$ " [ 0.76 $\mu$ m ] GOLD AND 200 $\mu$ " [ 5.08 $\mu$ m ]  
TIN LEAD (APP. E3 & C2 APPLY)

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

- \* STACKED PINS CONSERVE SPACE ON THE CIRCUIT BOARD ALLOWING HIGHER DENSITY PACKAGING.
- \* PIN QUANTITY TO 128 GIVES DESIGN FLEXIBILITY WITH LATCHING.
- \* "HDI" ALTERNATIVE.
- \* THREE-WALL FITS IN VME BOARD STACKING CRITERIA.
- \* ACCEPTS STANDARD IDC SOCKETS.
- \* MATES WITH STANDARD FLAT CABLE HARNESESSES.
- \* HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- \* SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.

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: 200μ" [5.08μm] TIN LEAD OR MATTE TIN (SEE ORDERING INFORMATION)  
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING: 1A (EIA 364-70)  
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)

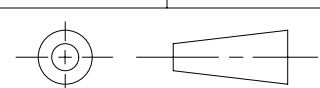
## NOTES

|    |                                                                                                                                                                                                                                        |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | REGULATORY INFORMATION:<br>ROHS COMPLIANT. SEE THE<br>REGULATORY INFORMATION<br>APPENDIX (RIA) IN THE<br>"ROHS COMPLIANCE" SECTION<br>OF <a href="http://WWW.3MCONNECTORS.COM">WWW.3MCONNECTORS.COM</a> FOR<br>COMPLIANCE INFORMATION. |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

2 IN THE EVENT OF CONFLICT  
BETWEEN THIS DATA AND THAT  
CONTAINED IN THE PRODUCT  
SPECIFICATION, THE PRODUCT  
SPECIFICATION TAKES PRECEDENT.

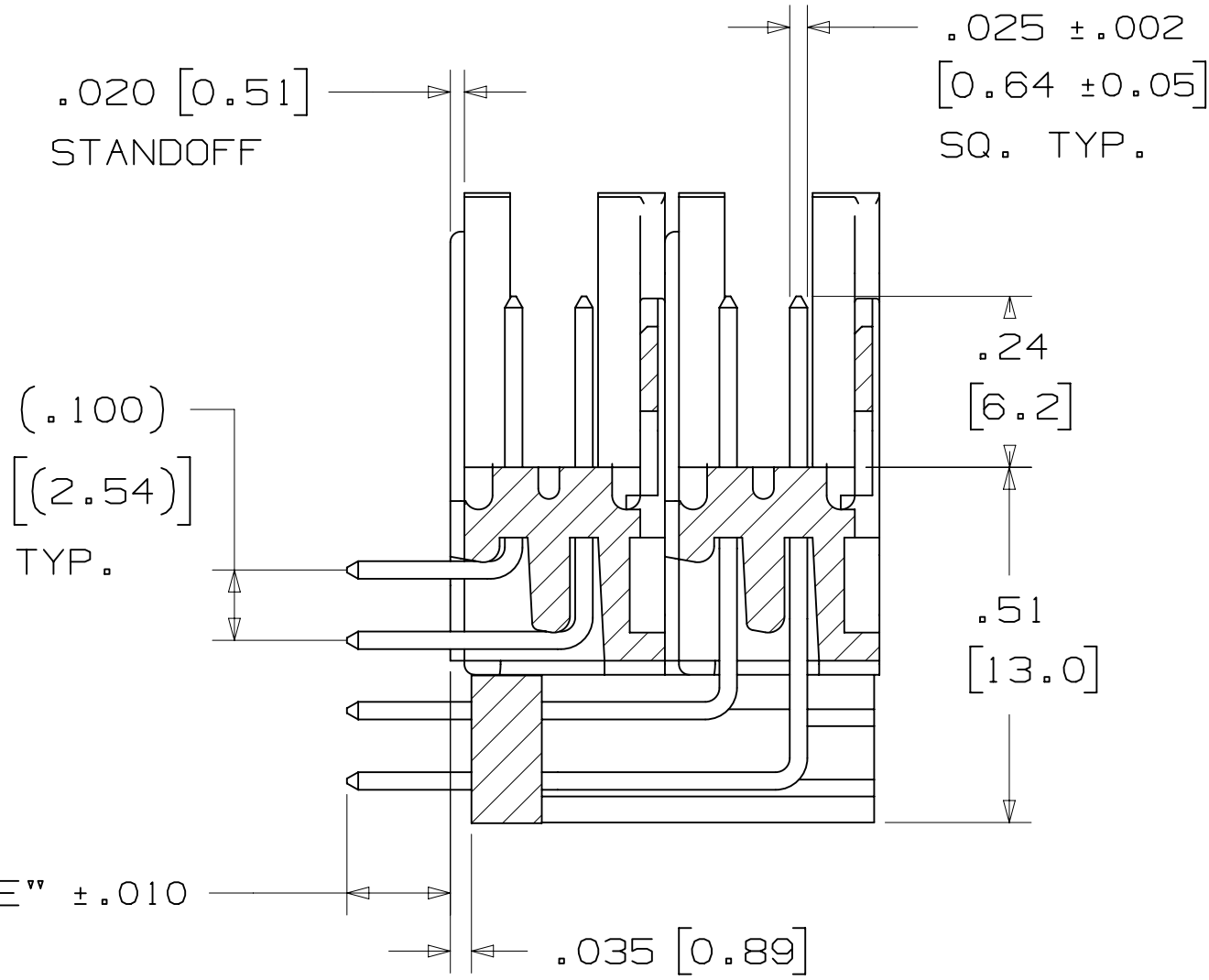
3 NOTCHES A & C WILL ACCOMODATE  
3M POLARIZING KEY: N3518.

4 MOUNTING HARDWARE:  
FROM SOLDER SIDE OF PC BOARD  
USE #4-24 THREAD CUTTING SCREW  
(3M PART #3341-5) WITH  
Ø .116 (2.95) MOUNTING HOLE.

|                                                                                       |  |       |  |                                                                           |  |                                                                                                                                                                                                                                               |  |             |  |
|---------------------------------------------------------------------------------------|--|-------|--|---------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|
| K                                                                                     |  | 60056 |  | MAR 06,2015                                                               |  | JNC                                                                                                                                                                                                                                           |  | RS          |  |
| J                                                                                     |  | 56068 |  | AUG 05,2014                                                               |  | JNC                                                                                                                                                                                                                                           |  | RS          |  |
|                                                                                       |  |       |  | REVISED AND REDRAWN                                                       |  |                                                                                                                                                                                                                                               |  |             |  |
| REV                                                                                   |  | ECO   |  | ISSUE DATE AND DESCRIPTION                                                |  | DRFT                                                                                                                                                                                                                                          |  | CHKD        |  |
| DFT                                                                                   |  | CAST  |  | DATE                                                                      |  | MFG                                                                                                                                                                                                                                           |  | DATE        |  |
| 1                                                                                     |  | 0     |  | 05, 2014                                                                  |  |                                                                                                                                                                                                                                               |  |             |  |
| CHKD                                                                                  |  |       |  | DATE                                                                      |  | APPROVAL                                                                                                                                                                                                                                      |  | DATE        |  |
|                                                                                       |  |       |  |                                                                           |  | S. SCHERER                                                                                                                                                                                                                                    |  | SEP 05,2014 |  |
| DIVISION<br>Intercon Solutions                                                        |  |       |  | DIVISION CODE<br>EMSD                                                     |  | © 3M COPYRIGHT 2015<br>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. |  |             |  |
| DO NOT SCALE DRAWING                                                                  |  |       |  | TOLERANCES EXCEPT AS NOTED                                                |  |                                                                                                                                                          |  |             |  |
| SCALE 2/1                                                                             |  |       |  | INCHES<br>.01 ±<br>.000 ±<br>.0005 ±<br>.0000 ±                           |  | TITLE<br>HEADER, 3-WALL,<br>CONDO, .100 X .100<br>LATCH/EJECTOR, RA                                                                                                                                                                           |  |             |  |
|  |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | CAGE NUMBER<br>D 78-5100-0773-1                                                                                                                                                                                                               |  |             |  |
| THIRD ANGLE PROJECTION<br>INTERPRET PER ASME Y14.5 - 2009                             |  |       |  | MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1 |  | DRAWING NO.<br>078-5100-0773-1                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | REV.<br>K                                                                                                                                                                                                                                     |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | MODEL<br>3000 SERIES                                                                                                                                                                                                                          |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>1             |  |       |  | MILLIMETERS<br>0 ±<br>.01 ±<br>.003 ±<br>.0001 ±                          |  | DET. 125 YES YES NO SHT 1 OF 3                                                                                                                                                                                                                |  |             |  |
| MAX SURFACE ROUGHNESS<br>125<br>100<br>63<br>32<br>16<br>8<br>4<br>2<br>              |  |       |  |                                                                           |  |                                                                                                                                                                                                                                               |  |             |  |

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

3M™ THREE-WALL CONDO HEADER, 3000 SERIES  
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE

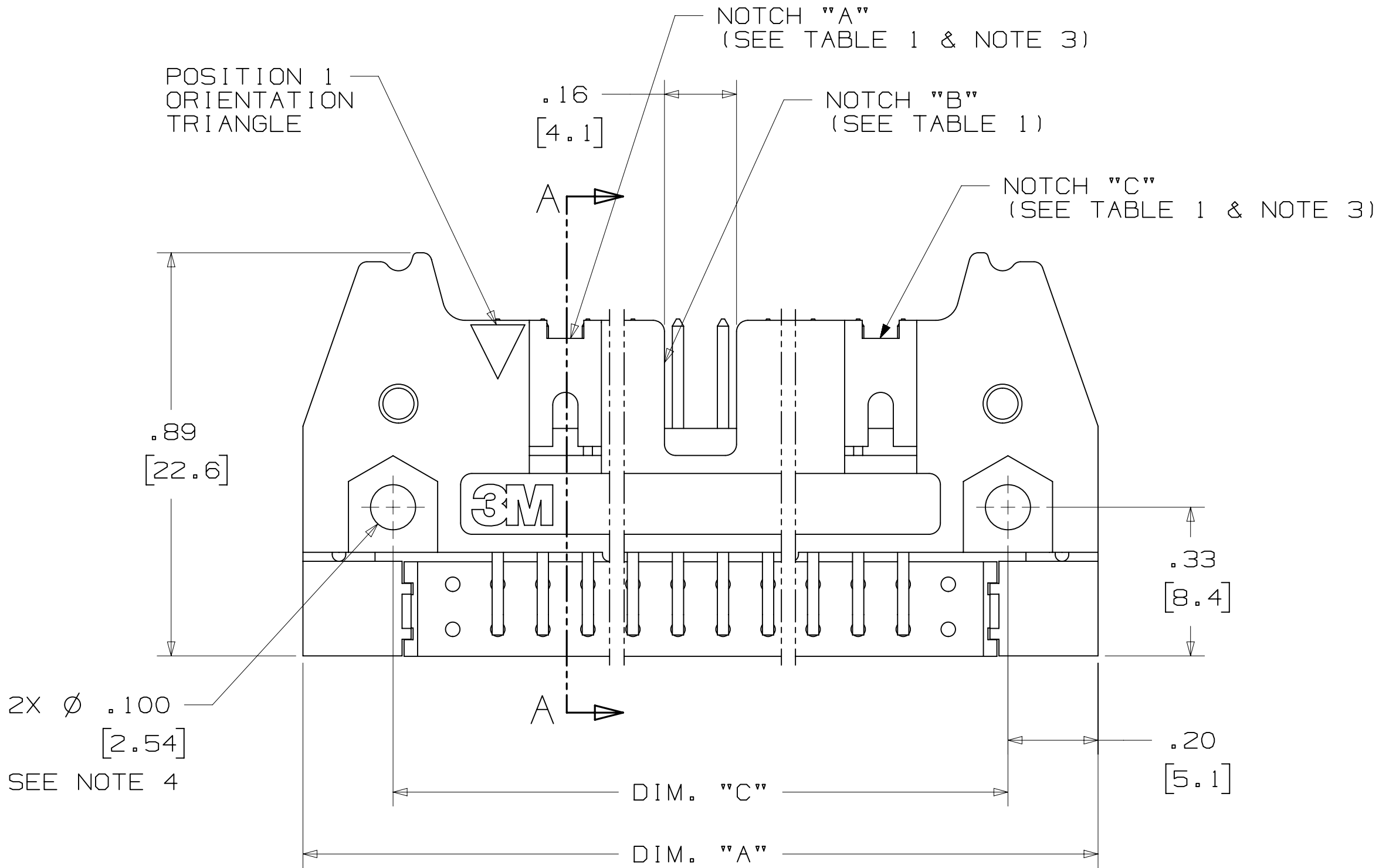
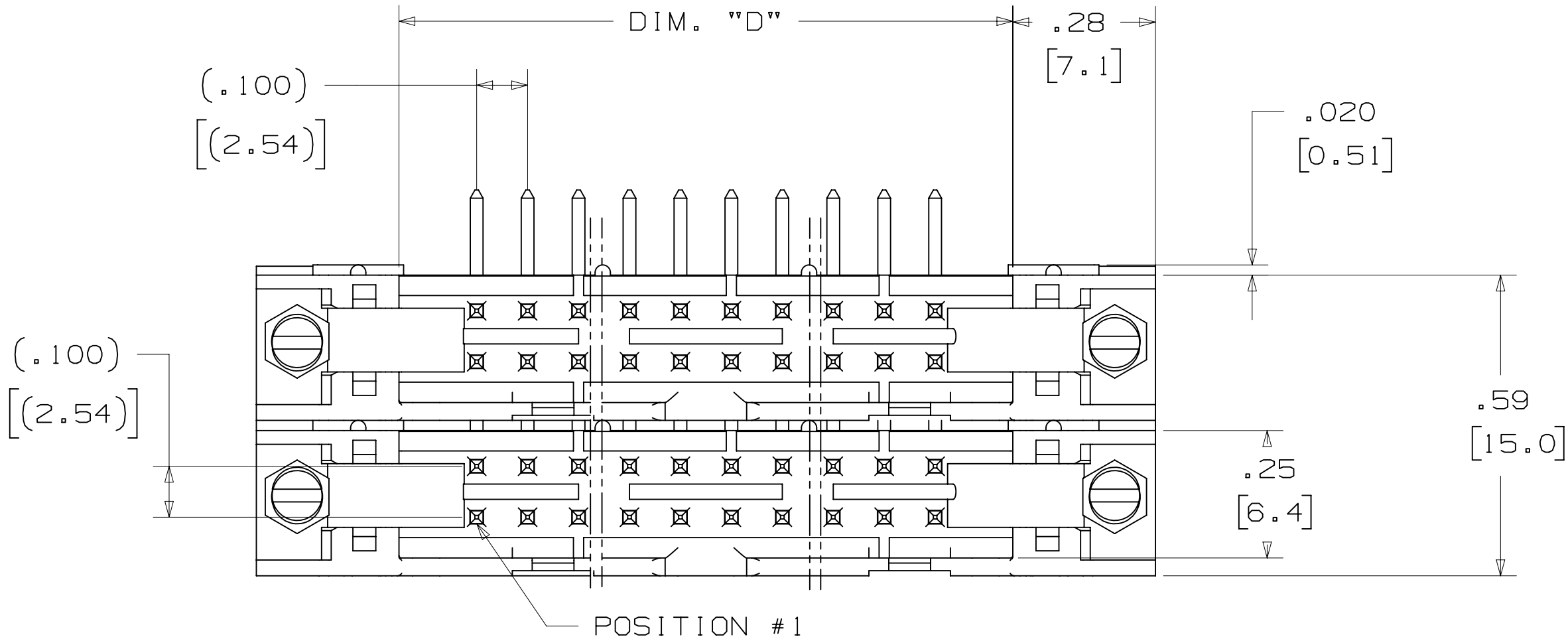


SECTION A - A

| TABLE 1  |                |                |                 |               |                    |          |
|----------|----------------|----------------|-----------------|---------------|--------------------|----------|
| PIN QTY. | 3M PART NUMBER | DIM. "A"       | DIM. "C"        | DIM. "D"      | POLARIZING NOTCHES | PIN QTY. |
| 20       | 3793           | 1.26 [ 32.1 ]  | .865 [ 21.97 ]  | .71 [ 18.0 ]  | BC                 | 20       |
| 28       | 3314           | 1.46 [ 37.2 ]  | 1.065 [ 27.05 ] | .91 [ 23.1 ]  | BC                 | 28       |
| 32       | 3408           | 1.56 [ 39.7 ]  | 1.165 [ 29.59 ] | 1.01 [ 25.6 ] | ABC                | 32       |
| 40       | 3428           | 1.76 [ 44.8 ]  | 1.365 [ 34.67 ] | 1.21 [ 30.7 ] | ABC                | 40       |
| 48       | 3627           | 1.96 [ 49.9 ]  | 1.565 [ 39.75 ] | 1.41 [ 35.8 ] | ABC                | 48       |
| 52       | 3429           | 2.06 [ 52.4 ]  | 1.665 [ 42.29 ] | 1.51 [ 38.3 ] | ABC                | 52       |
| 60       | 3440           | 2.26 [ 57.5 ]  | 1.865 [ 47.37 ] | 1.71 [ 43.4 ] | ABC                | 60       |
| 68       | 3431           | 2.46 [ 62.6 ]  | 2.065 [ 52.45 ] | 1.91 [ 48.5 ] | ABC                | 68       |
| 80       | 3432           | 2.76 [ 70.2 ]  | 2.365 [ 60.07 ] | 2.21 [ 56.1 ] | ABC                | 80       |
| 100      | 3433           | 3.26 [ 82.9 ]  | 2.865 [ 72.77 ] | 2.71 [ 68.8 ] | ABC                | 100      |
| 120      | 3372           | 3.76 [ 95.6 ]  | 3.365 [ 85.47 ] | 3.21 [ 81.5 ] | ABC                | 120      |
| 128      | 3764           | 3.96 [ 100.7 ] | 3.565 [ 90.55 ] | 3.41 [ 86.6 ] | ABC                | 128      |

| TABLE 2               |              |               |
|-----------------------|--------------|---------------|
| 3M PART NUMBER SUFFIX | CONTACT TAIL | DIM. "E"      |
| -XX02                 | 02           | .112 [ 2.84 ] |
| -XX03                 | 03           | .155 [ 3.94 ] |

NOTE:  
.112 [ 2.84 ] TAIL LENGTH SUITABLE FOR  
.062 [ 1.57 ] THICK PC BOARD.



|                                 |             |                            |             |            |
|---------------------------------|-------------|----------------------------|-------------|------------|
| DESIGN REFERENCE                |             | NEXT ASSEMBLY              |             |            |
| REV                             | ECO         | ISSUE DATE AND DESCRIPTION | DRFT        | CHKD       |
| DR                              | CASTIGLIONE | DATE                       | AUG 05,2014 | MFG        |
| CHKD                            |             | DATE                       |             | DATE       |
| DIVISION                        |             | DIVISION CODE              |             |            |
| Interconnect Solutions          |             | EMSD                       |             |            |
| DO NOT SCALE DRAWING            | SCALE 4/1   | TOLERANCES EXCEPT AS NOTED |             |            |
| THIRD ANGLE PROJECTION          |             | INCHES                     |             |            |
| INTERPRET PER ASME Y14.5 - 2009 |             | MILLIMETERS                |             |            |
| MAX SURFACE ROUGHNESS           |             | .00 ± .01                  |             |            |
| SURFACES                        |             | .000 ± .005                |             |            |
| MARKED ONLY                     |             | .0000 ±                    |             |            |
|                                 |             | .0 ± .3                    |             |            |
|                                 |             | .00 ± .13                  |             |            |
|                                 |             | .000 ±                     |             |            |
|                                 |             | ANGLES                     |             |            |
| CAGE NUMBER                     |             | DRAWING NO.                |             | REV.       |
| D78-5100-0773-1                 |             | K                          |             |            |
| MODEL                           |             | 3000 SERIES                |             | DET        |
|                                 |             | LISTS                      |             | YES        |
|                                 |             | XNO                        |             | SHT 2 OF 3 |

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3M Center  
St. Paul,  
MN 55144

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HEADER, 3-WALL,  
CONDO, .100 X .100  
LATCH/EJECTOR, RA

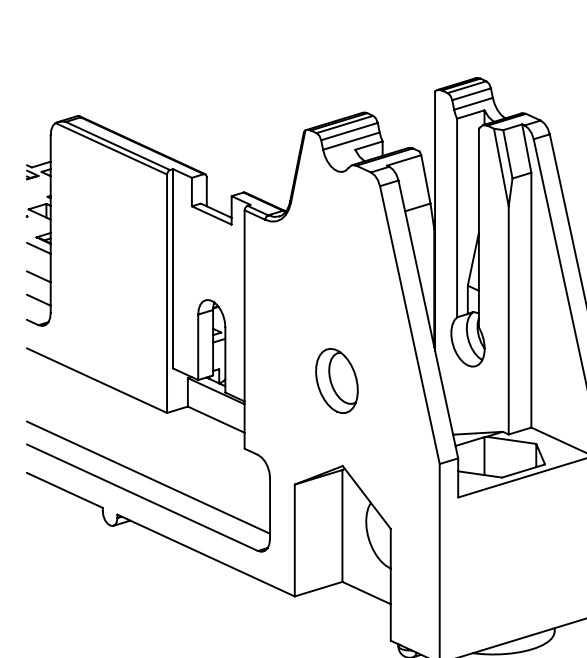
|     |       |             |                            |    |
|-----|-------|-------------|----------------------------|----|
| K   | 60056 | MAR 06,2015 | JNC                        | RS |
| J   | 56068 | AUG 05,2014 | JNC                        | RS |
| REV |       | ECO         | ISSUE DATE AND DESCRIPTION |    |
| REV |       | ECO         | ISSUE DATE AND DESCRIPTION |    |
| REV |       | ECO         | ISSUE DATE AND DESCRIPTION |    |

## .100" X .100" LATCH/EJECTOR, RIGHT ANGLE



Technical drawing of a screw. The drawing shows the screw's profile with a hexagonal head. Dimensions are indicated: a vertical arrow pointing up to the head is labeled "31", and a vertical arrow pointing down from the head is labeled "[7.9]".

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



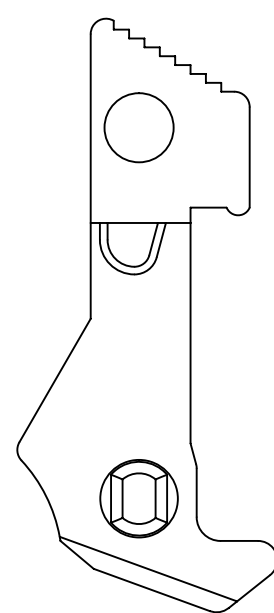
#4-24 TYPE BT SELF THREADING SCREW  
WHEN USING LATCHES, MAXIMUM LENGTH  
OF SCREW IS .250 INCHES PLUS  
THICKNESS OF THE BOARD.  
TORQUE FOR EACH SCREW IS 3-5 INCH LBS.

THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

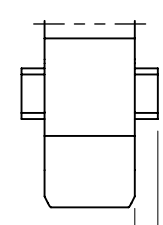
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

LONG



SHORT



(.03)  
[(0.8)]  
TYP.

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

Technical drawing of a vertical shaft. The total height is dimensioned as .318 [8.08]. The diameter is dimensioned as  $\varnothing$  .102 [2.59]. The shaft has a central section with a wider diameter and two narrower sections at the top and bottom.

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

Technical drawing of a 3M Breakaway Tab. The drawing includes a top view and a side view.

**Top View:**

- The tab is circular with the "3M" logo in the center.
- A callout line points to the top edge, labeled "BREAKAWAY TAB".
- Dimension lines indicate a diameter of  $.34$  [8.5].
- Dimension lines indicate a thickness of  $.15$  [3.8].

**Side View:**

- The side view shows the profile of the tab.
- A dimension line indicates a thickness of  $.09$  [2.3].
- A dimension line indicates the length of the tab, labeled "DIM. 'A'".

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

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

|                                 |  |                            |                            |                                                                                                                                                                                                                         |              |      |
|---------------------------------|--|----------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|
| K                               |  | 60056                      | MAR 06, 2015               |                                                                                                                                                                                                                         | JNC          | RS   |
| J                               |  | 56068                      | AUG 05, 2014               |                                                                                                                                                                                                                         | JNC          | RS   |
| REVISED AND REDRAWN             |  |                            |                            |                                                                                                                                                                                                                         |              |      |
| REV                             |  | ECO                        | ISSUE DATE AND DESCRIPTION |                                                                                                                                                                                                                         | DRFT         | CHKD |
| DRFT                            |  | CASTIGLIONE                |                            | DATE                                                                                                                                                                                                                    | AUG 05, 2014 | MFG  |
| CHKD                            |  |                            |                            | DATE                                                                                                                                                                                                                    |              |      |
| APPLY                           |  | R. SCHERER                 |                            | DATE                                                                                                                                                                                                                    | SEP 05, 2014 |      |
| DIVISION                        |  | INTERCONNECT SOLUTIONS     |                            | DIVISION CODE                                                                                                                                                                                                           |              |      |
| EMSD                            |  | TOLERANCES EXCEPT AS NOTED |                            | 3M CENTER                                                                                                                                                                                                               |              |      |
| DO NOT SCALE DRAWING            |  | SCALE 1                    |                            | ST. PAUL, MN 55144                                                                                                                                                                                                      |              |      |
| THIRD ANGLE PROJECTION          |  | INCHES                     |                            | 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. |              |      |
| INTERPRET PER ASME Y14.5 - 2009 |  | MILLIMETERS                |                            | TITLE                                                                                                                                                                                                                   |              |      |
| MAX SURFACE ROUGHNESS           |  | .0000 ±                    |                            | HEADER, 3-WALL,                                                                                                                                                                                                         |              |      |
| FLAT SURFACES                   |  | .00 ± .13                  |                            | CONDO, .100 X .100                                                                                                                                                                                                      |              |      |
| ✓ □ MARKED ONLY                 |  | .0000 ±                    |                            | LATCH/EJECTOR, RA                                                                                                                                                                                                       |              |      |
| MODEL                           |  | 3000 SERIES                |                            | SIZE DRAWING NO.                                                                                                                                                                                                        |              | REV. |
| D                               |  | D78-5100-0773-1            |                            | K                                                                                                                                                                                                                       |              |      |
| DET.                            |  | LISTS                      |                            | YES                                                                                                                                                                                                                     |              | NO   |
| SHT                             |  | 3                          |                            | OF                                                                                                                                                                                                                      |              |      |