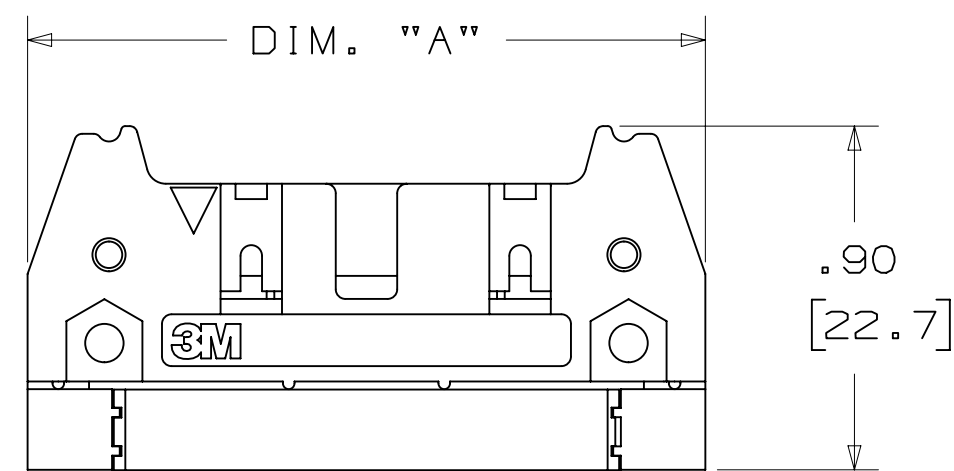
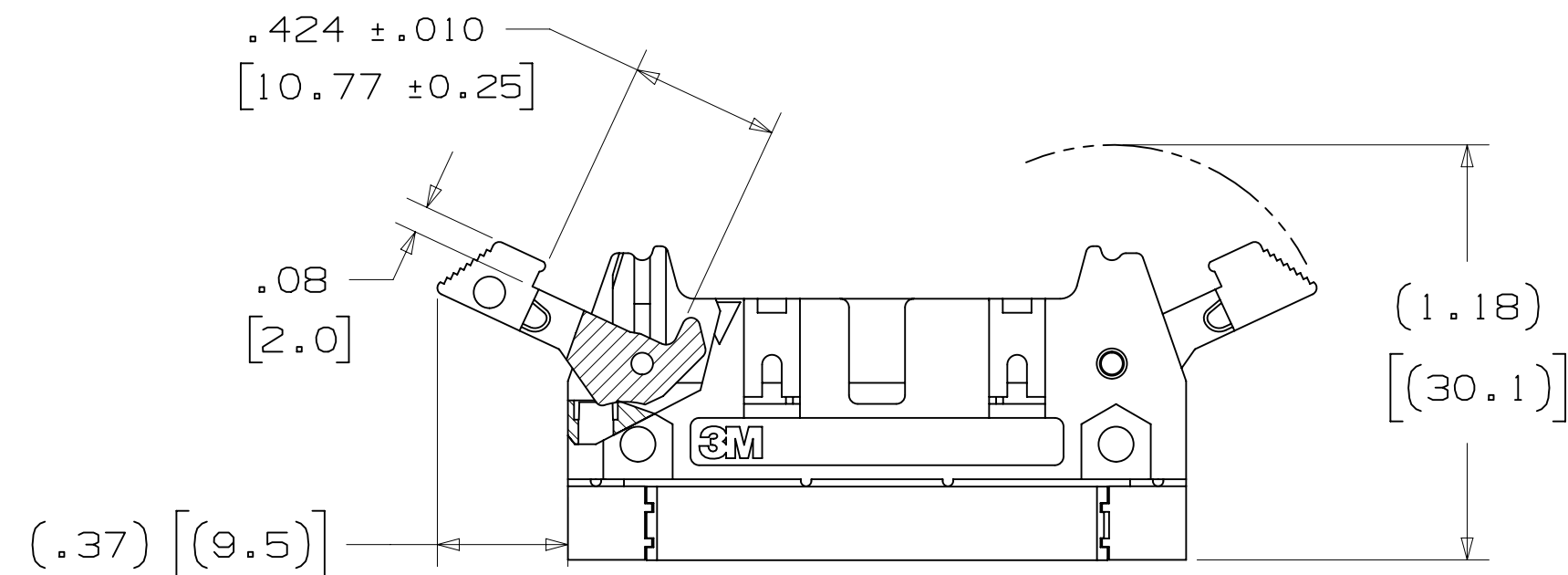


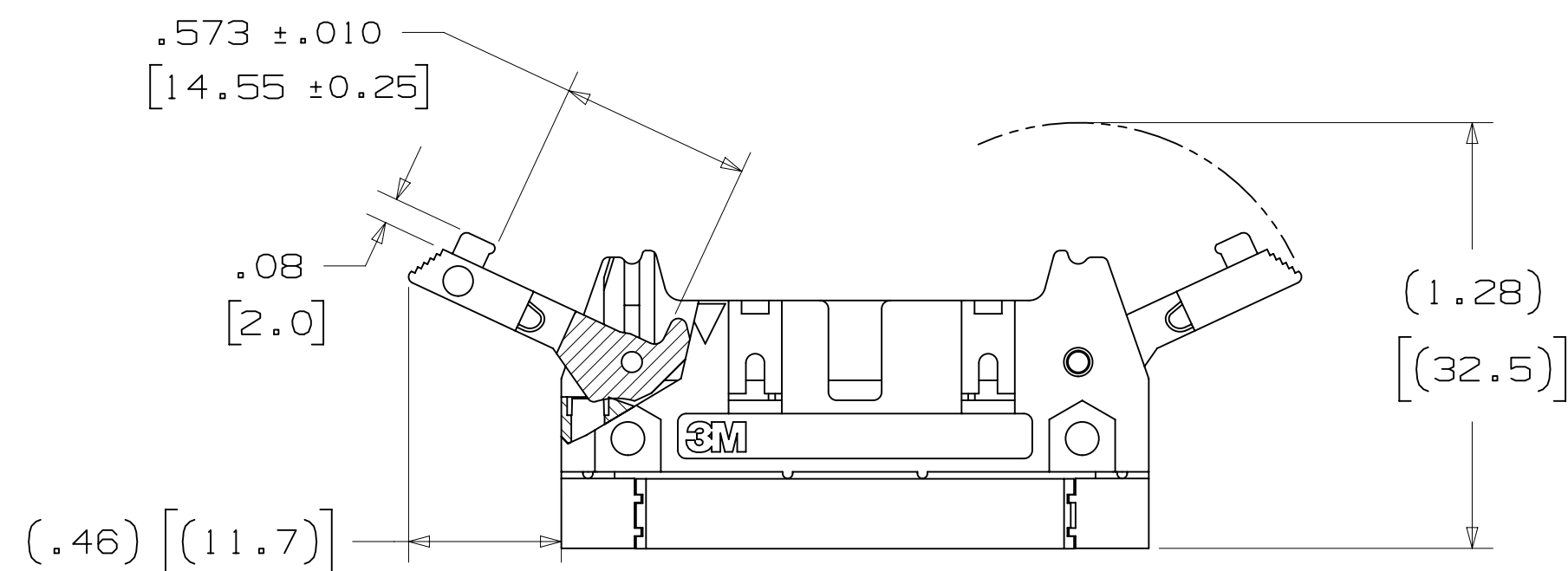
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-LOOX
HEADER WITHOUT LATCH EJECTOR



-L20X
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-L30X
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX-LXXXXX

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

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

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.
- * ACCEPTS STANDARD IDC SOCKETS.
- * MATES WITH STANDARD FLAT CABLE HARNESSSES.
- * 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_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} 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: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR 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) AND
Ø .116 (2.95) MOUNTING HOLE.

K		60056	MAR 06 2015		JNC	RS
		REVISE ORDERING NUMBER				
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 DATE	DATE	
CHKD			DATE	R. SCHERER SEP 05, 2014		
DESIGN REFERENCE		NEXT ASSEMBLY				
ADDRESS CODES						
DIVISION Interconnect Solutions		DIVISION CODE EMSD				
DO NOT SCALE DRAWING		SCALE 2 1		TOLERANCES EXCEPT AS NOTED		
		INCHES ± .00 ±.01 .0000 ±.005 .0000 ±				
THIRD ANGLE PROJECTION		MILLIMETERS ± .0 ±.3 .00 ±.13 .000 ±				
INTERPRET PER ASME Y14.5 - 2009						
MAX SURFACE ROUGHNESS Rz		MAX SURFACES ✓ ☐ MARKED ONLY				
3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2015 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.				
TITLE		HEADER, 4-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA				
CAGE NUMBER	SIZE DRAWING NO. D78-5100-0774-9				REV. K	
MODEL	3000 SERIES				DET. LISTS ☒ YES ☒ NO SHT 1 OF 3	

UL
UL FILE NO: E68080

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

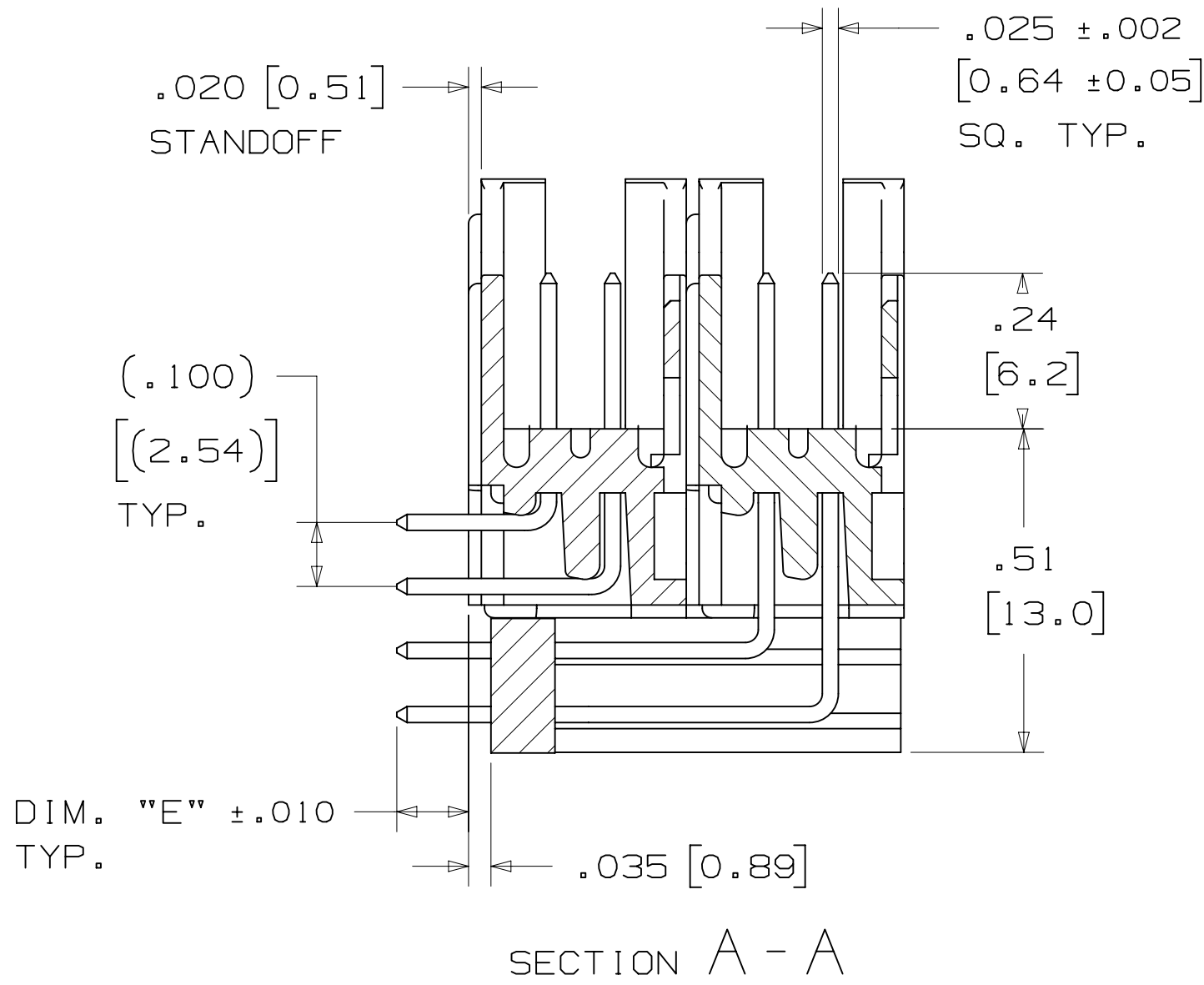
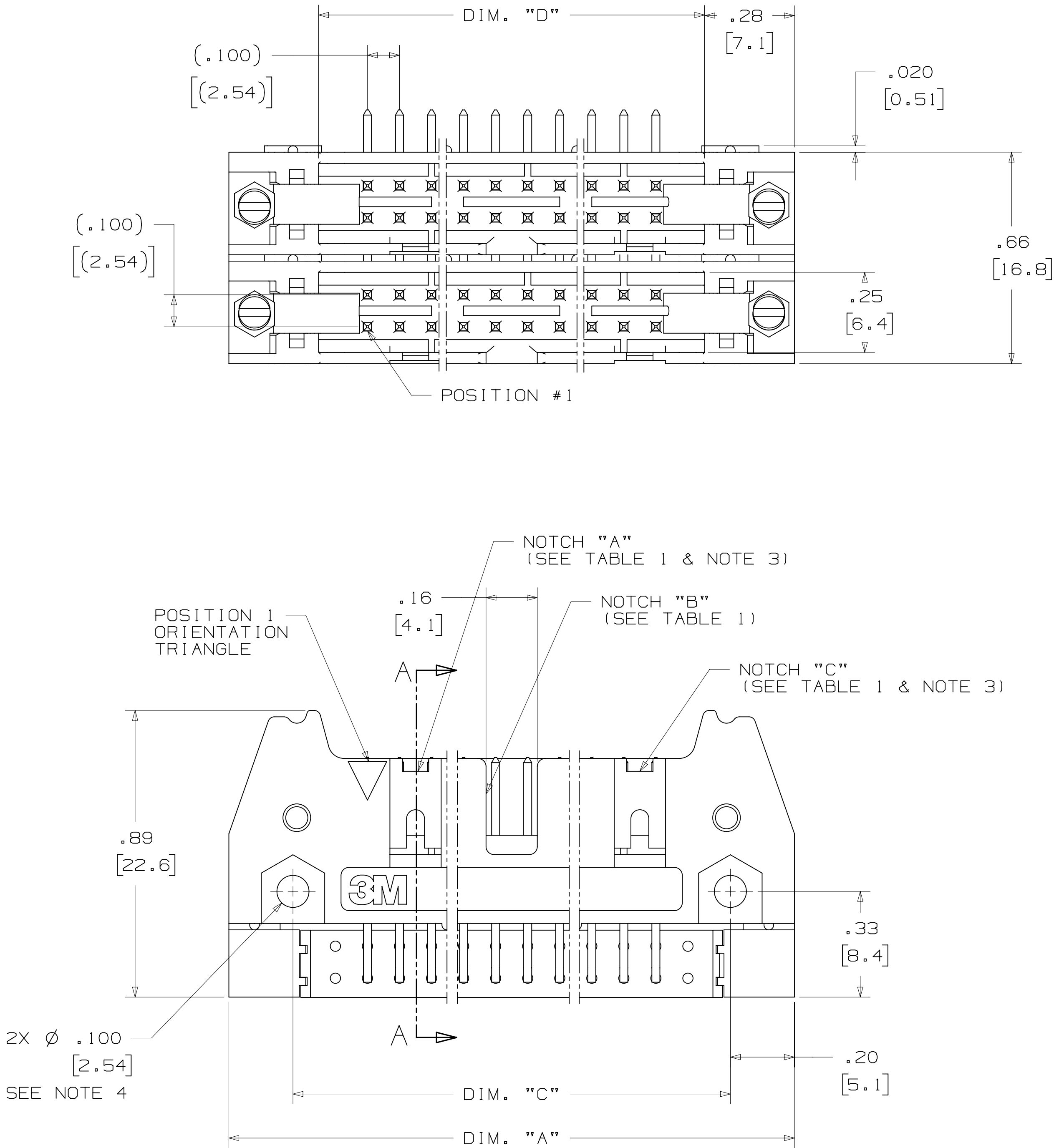


TABLE 1						
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
20	3793	1.26 [32.1]	.865 [21.97]	.71 [18.0]	BC	20
28	3314	1.46 [37.2]	1.065 [27.05]	.91 [23.1]	BC	28
32	3408	1.56 [39.7]	1.165 [29.59]	1.01 [25.6]	ABC	32
40	3428	1.76 [44.8]	1.365 [34.67]	1.21 [30.7]	ABC	40
48	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
3M CODES	3M CODES	3M CODES	3M CODES	3M CODES	3M CODES	3M CODES
DIVISION	DIVISION CODE	DATE	DATE	DATE	DATE	DATE
Interconnect Solutions	EMSD	AUG 05, 2014	AUG 05, 2014	AUG 05, 2014	SEP 05, 2014	SEP 05, 2014
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED	TOLERANCES EXCEPT AS NOTED	TOLERANCES EXCEPT AS NOTED	TOLERANCES EXCEPT AS NOTED	TOLERANCES EXCEPT AS NOTED
THIRD ANGLE PROJECTION	THIRD ANGLE PROJECTION	INCHES	INCHES	INCHES	INCHES	INCHES
MAX SURFACE ROUGHNESS	MAX SURFACE ROUGHNESS	MILLIMETERS	MILLIMETERS	MILLIMETERS	MILLIMETERS	MILLIMETERS
MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY	MARKED ONLY
TITLE		3M Center St. Paul, MN 55144				
HEADER, 4-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA		CAGE NUMBER D78-5100-0774-9				
MODEL 3000 SERIES		REV. K				

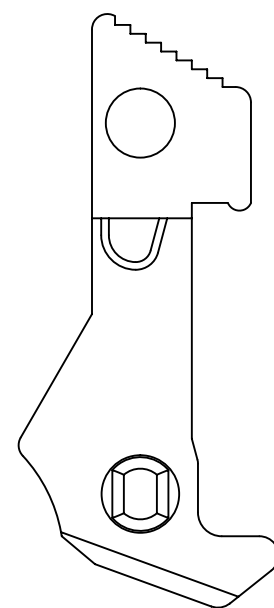
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



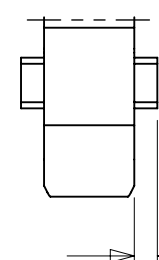
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

SNAP-IN LATCHES

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

Technical drawing of a vertical shaft. The drawing shows a central shaft with a diameter of $\varnothing .102$ and a length of $[8.08]$. The shaft is flanked by two horizontal lines, each with an arrow pointing towards the shaft. The diameter is labeled as $\varnothing .102$ and the length is labeled as $[8.08]$.

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 main body is circular with the "3M" logo in the center.
- A rectangular tab extends from the bottom center.
- Dimensions for the main body: $.34$ (height) and $[(8.5)]$ (width).
- Dimension for the tab: $.15$ (width) and $[3.8]$ (length).

Side View:

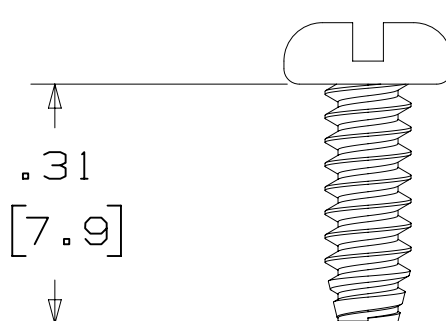
- Shows the profile of the tab and the main body.
- Dimension for the tab thickness: $.09$ and $[2.3]$.
- Dimension for the main body height: DIM. "A".

Labels:

- BREAKAWAY TAB

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

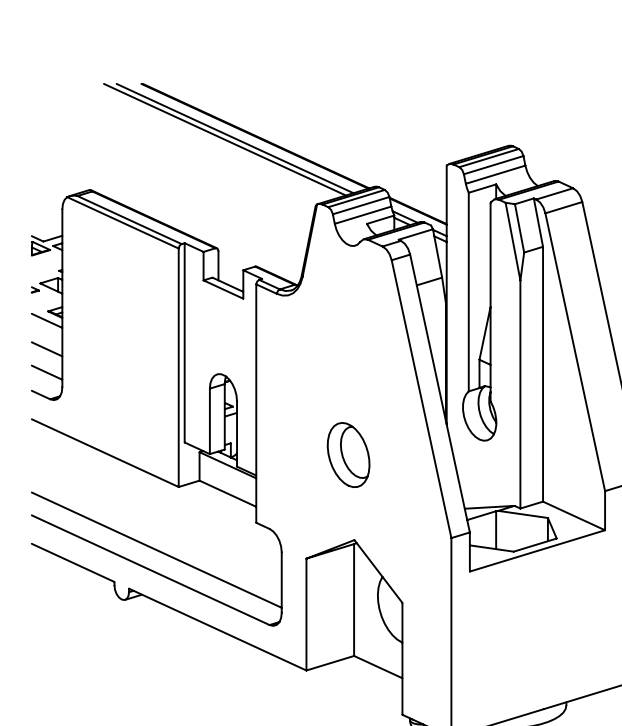
MOUNTING HARDWARE



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



#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.

K	60056	MAR 06, 2015	JNC	RS	
		REVISE ORDERING NUMBER			
J	56068	AUG 05, 2014	JNC	RS	
		REVISED AND REDRAWN			
REV	ECO	ISSUE DATE AND DESCRIPTION		DRIFT	CHK
DRIFT	C	DATE	DATE	DATE	
CAST	GL	AUG 05, 2014	REVISED	DATE	05, 2020
CHKD		DATE	BY: R. SCHERER	DATE	05, 2020

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRIFT		CHK	
ACCORDS				DEPT		CASTIGLIONE		AUG 05, 2014		MFGS		DATE	
				CHKD				DATE		APPRV		DATE	
										R. SCHERER		SEP 05, 20	
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2015					
Interconnect Solutions				EMSD				3M 3M Center St. Paul, MN 55144 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
DO NOT SCALE DRAWING		SCALE 1 4		TOLERANCES EXCEPT AS NOTED									
				INCHES									
				.00 ± .01 .000 ± .005 .000 ±									
THIRD ANGLE PROJECTION				MILLIMETERS									
				.00 ± .3 .00 ± .13 .000 ±									
INTERPRET PER ASME Y14.5 - 2009						CAGE NUMBER		SIZE		DRAWING NO.		REV	
MAX SURFACE ROUGHNESS ☒ MAX SURFACES ☐ MARKED ONLY				ANGLES		D 78-5100-0774-9						K	
						MODEL		3000 SERIES		DET.		☐ YES ☒ NO	
										SHT		3 OF	