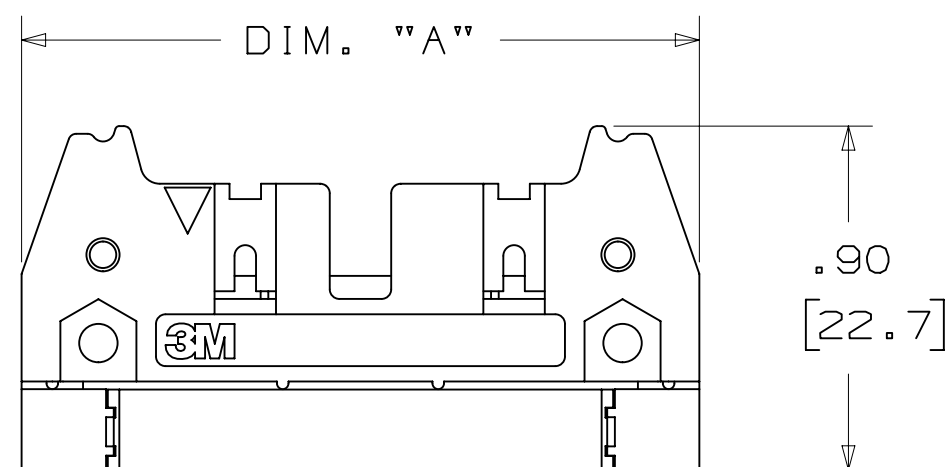
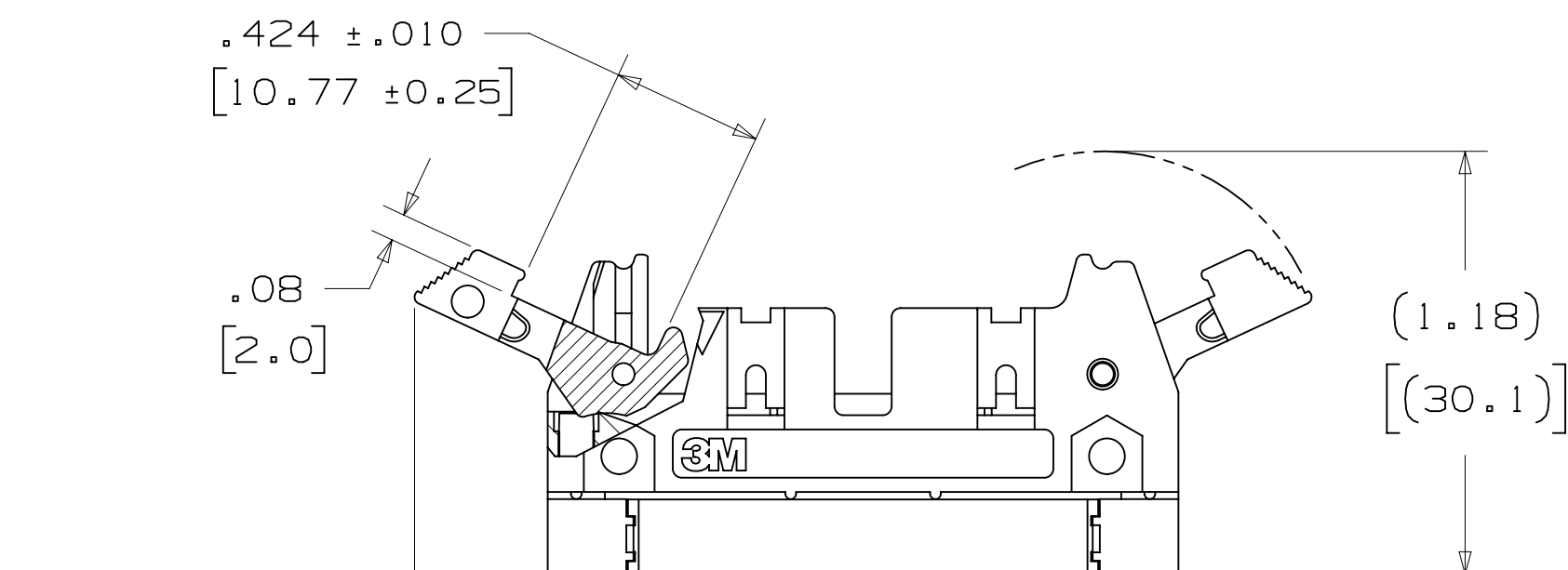


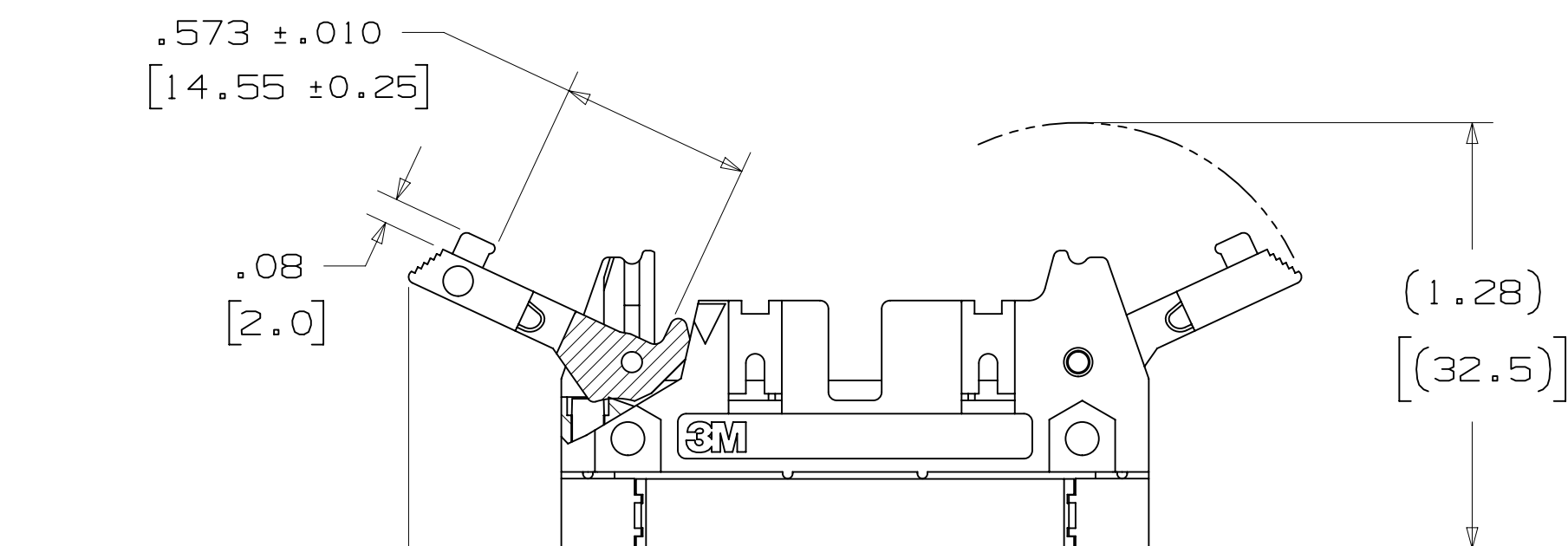
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-DOOX
HEADER WITHOUT LATCH EJECTOR



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



-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 = 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)

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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 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.

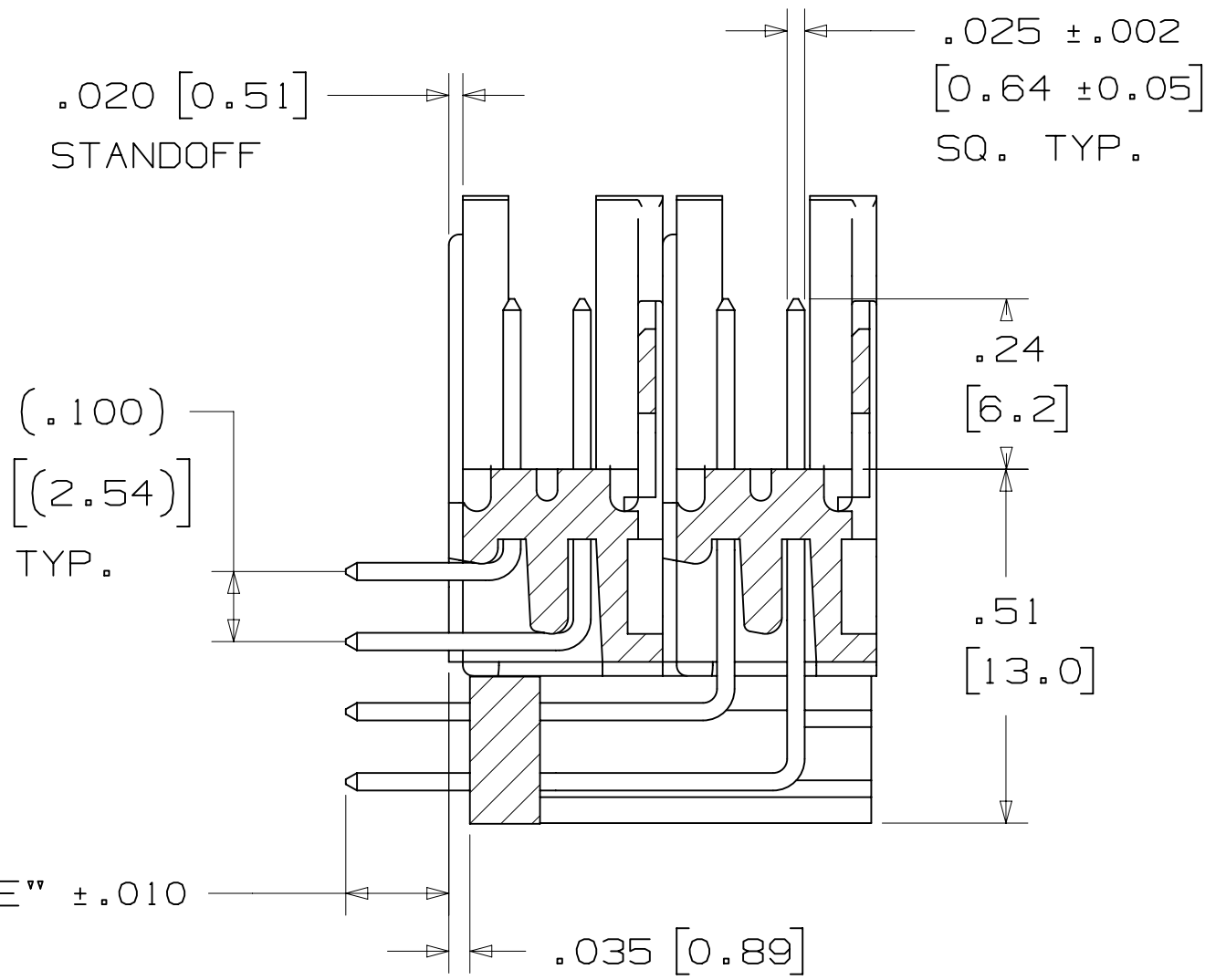
3 NOTCHES A & C WILL ACCOMODATE
3M POLARIZING KEY: N3518.

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

DESIGN	REFERENCE	NEXT	ASSEMBLY	REV	ECO	ISSUE	DATE	AND DESCRIPTION	DRFT	CHKD
CODES				DRFT		CASTIGLIONE	DATE	AUG 05, 2014		
				CHKD			DATE			
						APPL		R. SCHERER	DATE	SEP 05, 2014
DIVISION				DIVISION CODE						
Interconnect Solutions				EMSD						
DO NOT SCALE DRAWING		SCALE 2 1		TOLERANCES EXCEPT AS NOTED						
		INCHES								
		.00 ± .00 ±.01 .000 ±.005 .0000 ±								
THIRD ANGLE PROJECTION				MILLIMETERS						
INTERPRET PER ASME Y14.5 - 2009				.00 ± .00 ±.13 .000 ±						
MAX. SURFACE ROUGHNESS				ANGLES						
✓ UNFINISHED SURFACES										
✗ MARKED UNFINISHED										
				MODEL		SIZE		DRAWING NO.		REV.
				3000 SERIES		D78-5100-0773-1				K
						DET. LISTS		YES X NO		SHT 1 OF 3

UL[®]
US
UL FILE NO: E68080

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

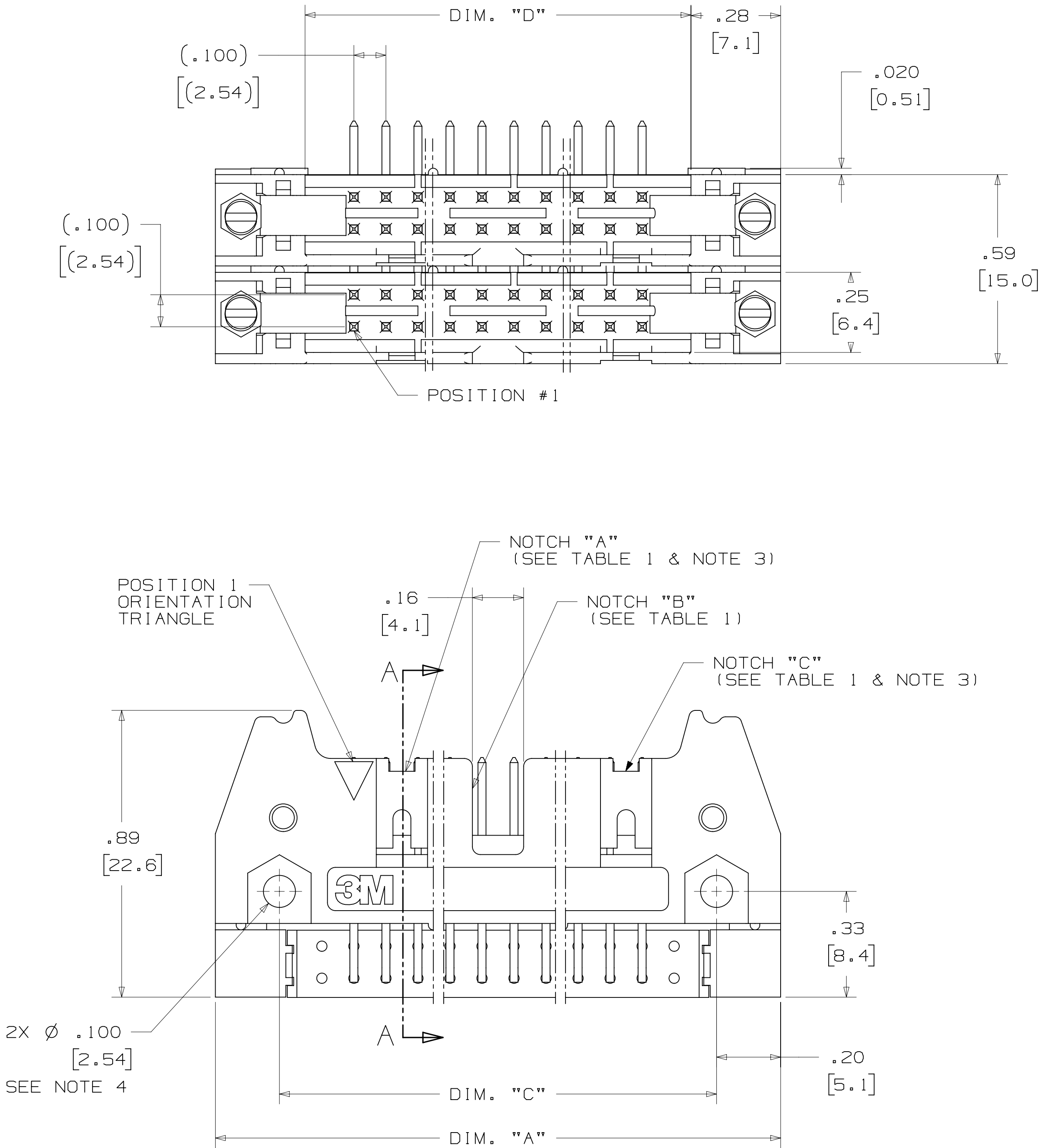


SECTION A - A

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	DATE
CHKD		DATE		APPR	DATE
				R. SCHERER	SEP 05, 2014
DIVISION		DIVISION CODE			
Interconnect Solutions		EMSD			
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED			
THIRD ANGLE PROJECTION		INCHES			
		.00 ± .01			
		.000 ± .005			
		.0000 ±			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS			
		0 ±			
		.0 ± .3			
		.00 ± .13			
		.000 ±			
MAX SURFACE ROUGHNESS		ANGLES			
SURFACES					
MARKED ONLY					
MODEL		3000 SERIES			
CAGE NUMBER		DRAWING NO.			
D		78-5100-0773-1			
REV.		K			
DET		LISTS			
YES		NO			
SHT		2 OF 3			

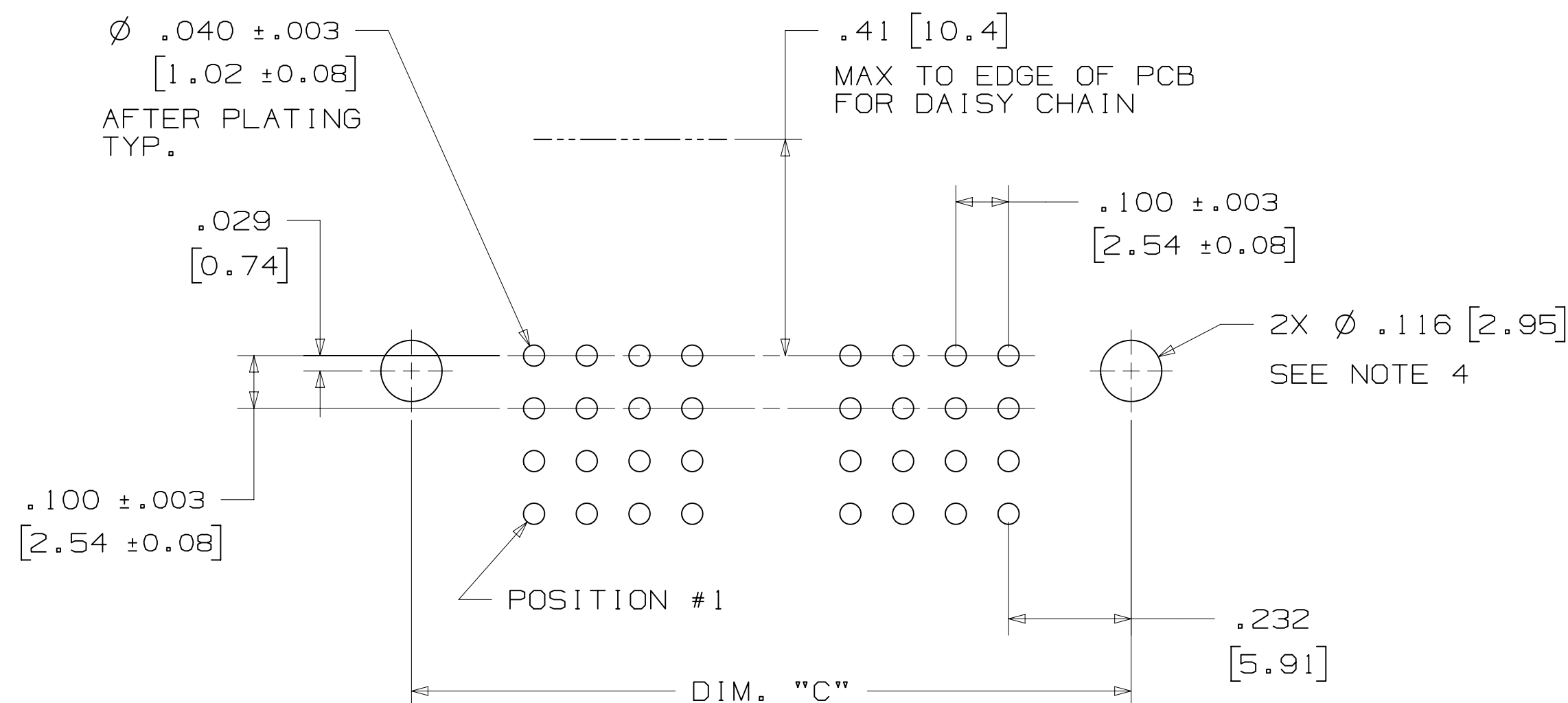
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3M Center
St. Paul,
MN 55144

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

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

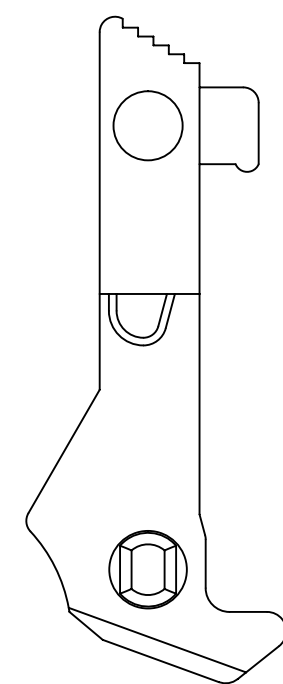


PART CUSTOMIZATION

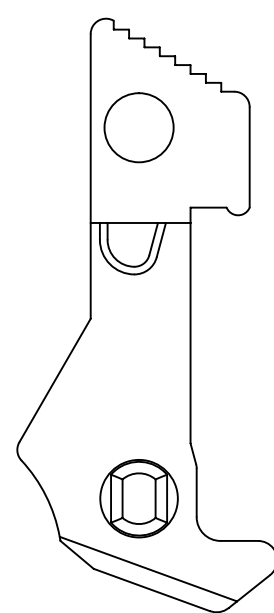
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

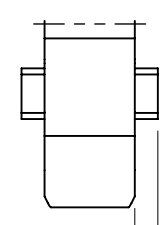
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP. (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



LONG



SHORT



-. (.03)
[(0.8)]
TYP.

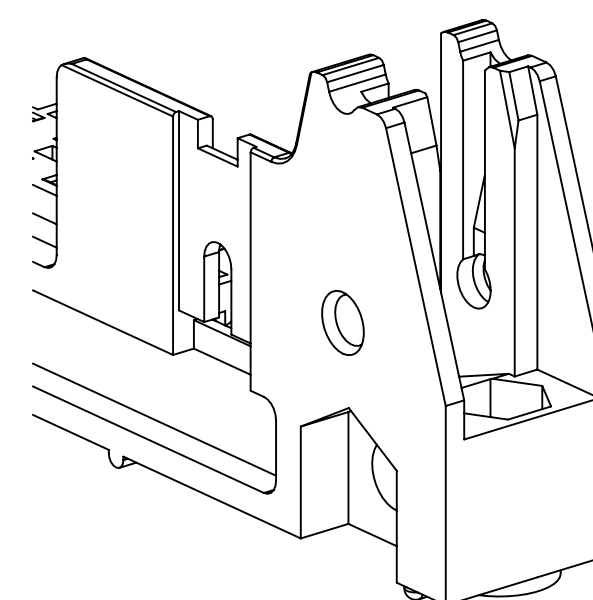
SNAP-IN LATCHES

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

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

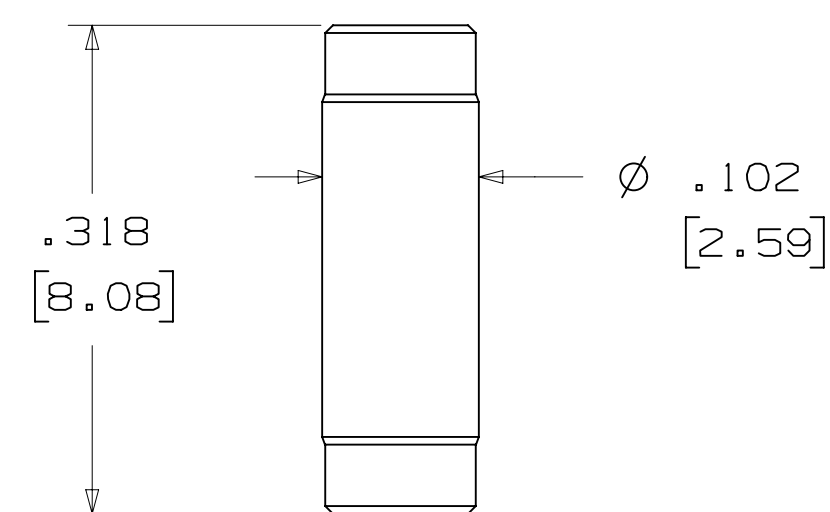
3341-5

(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.

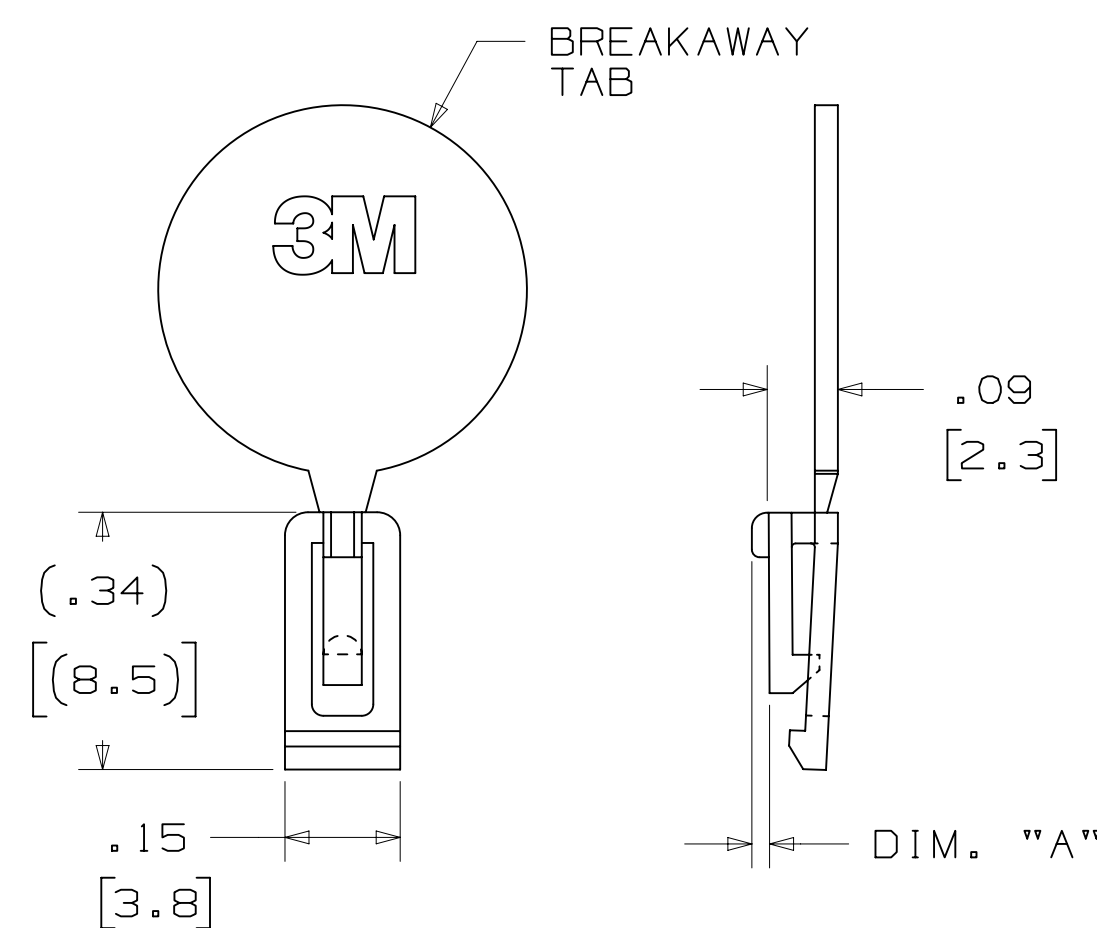
POLARIZING POST



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

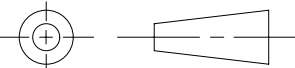
NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

POLARIZING KEY



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	
PART		CASTIGLIONE		DATE		AUG 05,2014		MFG	
CHKD				DATE				APPRV R. SCHERER	
								DATE SEP 05,2014	
DIVISION				DIVISION CODE		© 3M COPYRIGHT 2015			
Interconnect Solutions				EMSD		 This document and the information it contains are 3M property and may not be reproduced or further distributed without the express permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
DO NOT SCALE		SCALE		TOLERANCES EXCEPT AS NOTED					
DRAWING		$\frac{4}{1}$							
		INCHES		$.0 \pm$ $.00 \pm .01$ $.0000 \pm .005$ $.0000 \pm$					
THIRD ANGLE PROJECTION				MILLIMETERS					
INTERPRET PER ASME Y14.5 - 2009				$.0 \pm$ $.00 \pm .3$ $.000 \pm .13$ $.000 \pm$					
MAX SURFACE ROUGHNESS				☒ PLAIN SURFACES ☐ MARKED ONLY					
				ANGLES					
CAGE NUMBER		SIZE		DRAWING NO.		REV.			
D		D78-5100-0773-1		K					
MODEL		3000 SERIES		DET.		LISTS		YES ☒ NO	
								SHT 3 OF 4	