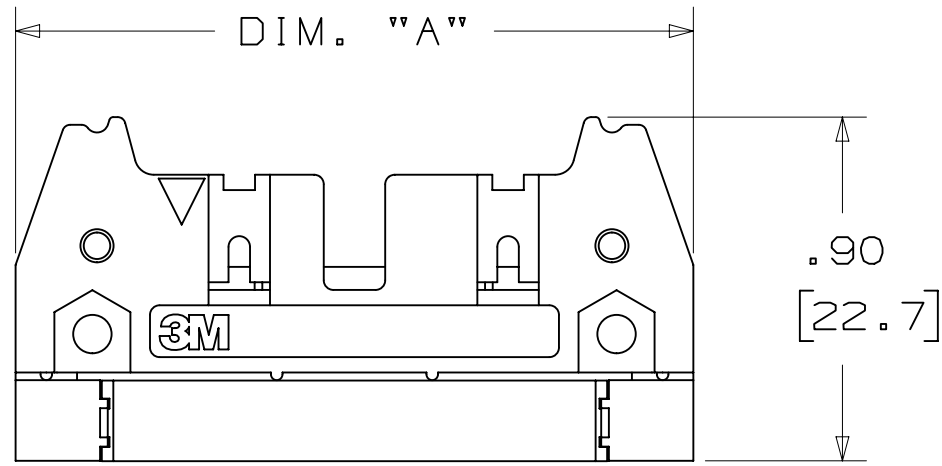
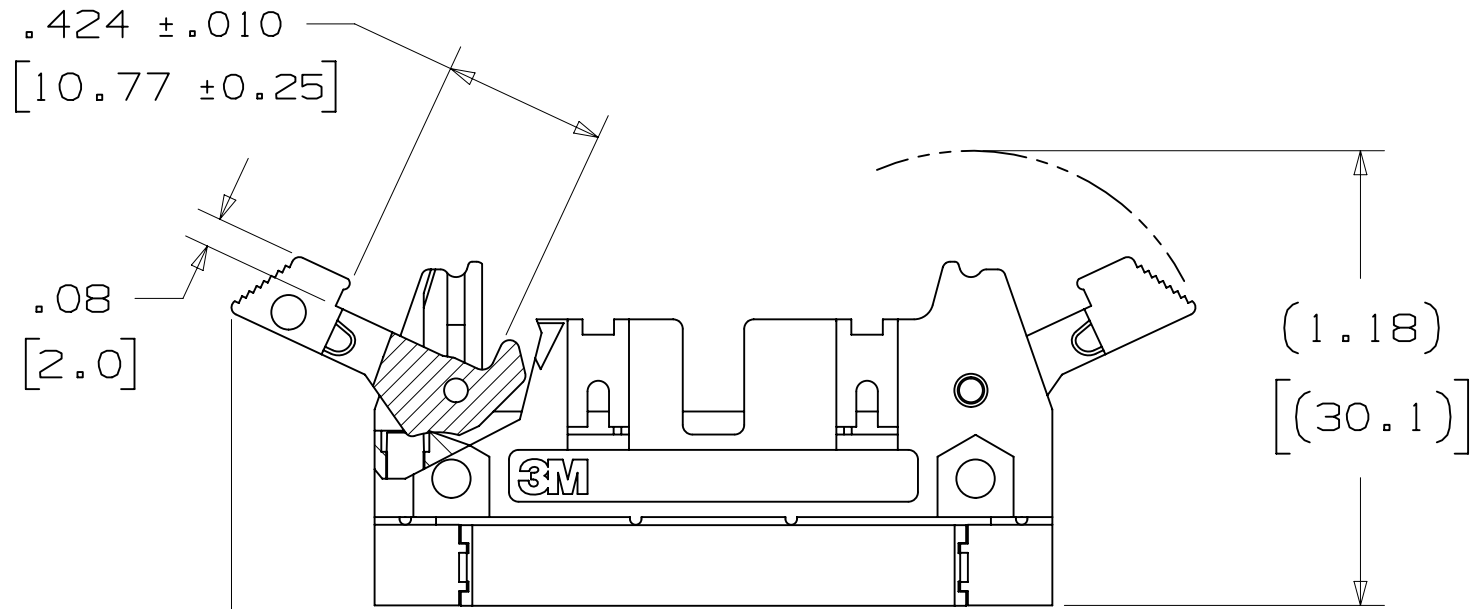


3M™ THREE-WALL CONDO HEADER, 3000 SERIES

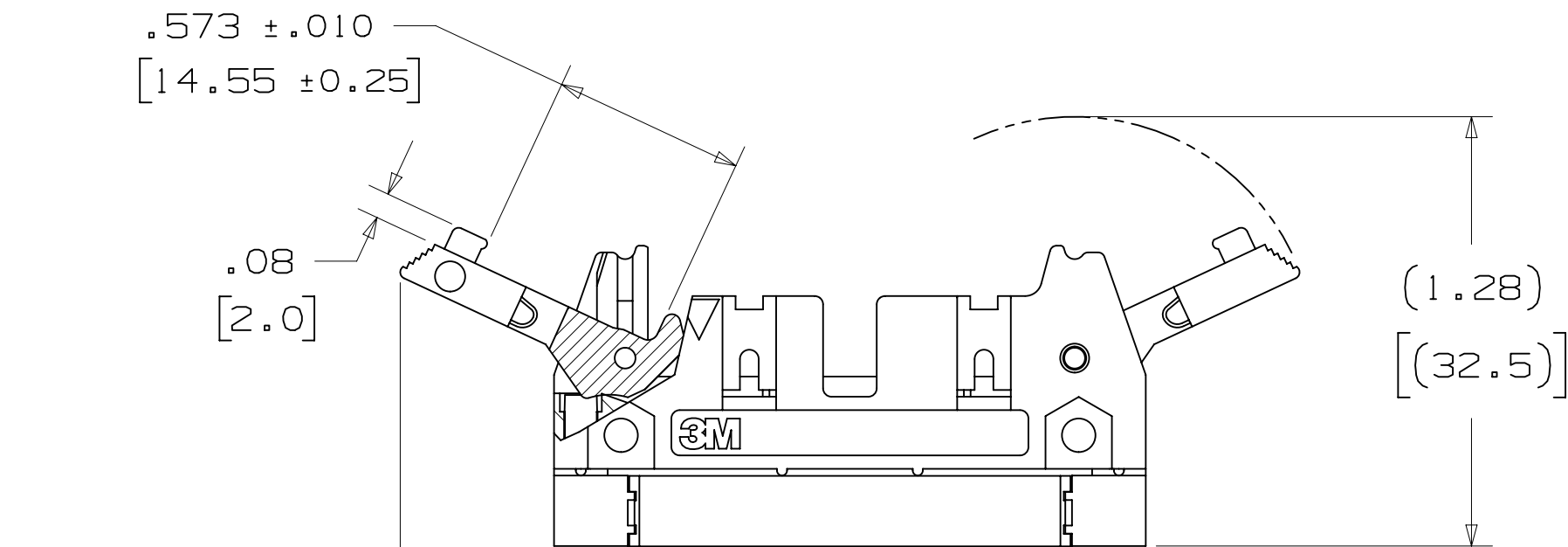
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-D00X
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

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 X 10⁹Ω 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

- REGULATORY INFORMATION: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION.
- IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
- NOTCHES A & C WILL ACCOMODATE 3M POLARIZING KEY: N3518.
- 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.

ORDERING INFORMATION

X3XXX-DXXXXX

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

3M PART NUMBER:
(SEE TABLE 1)

LATCH/EJECTOR SYSTEM:
0 = NO LATCH/EJECTOR INSTALLED
2 = SHORT ROLL PIN LATCH/EJECTORS
3 = LONG ROLL PIN LATCH/EJECTORS

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)

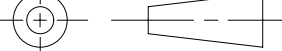
TAIL:
02 = FOR .062 [1.57] THICK BOARD
03 = FOR .094 TO .125 [2.39 TO 3.18] THICK BOARD

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

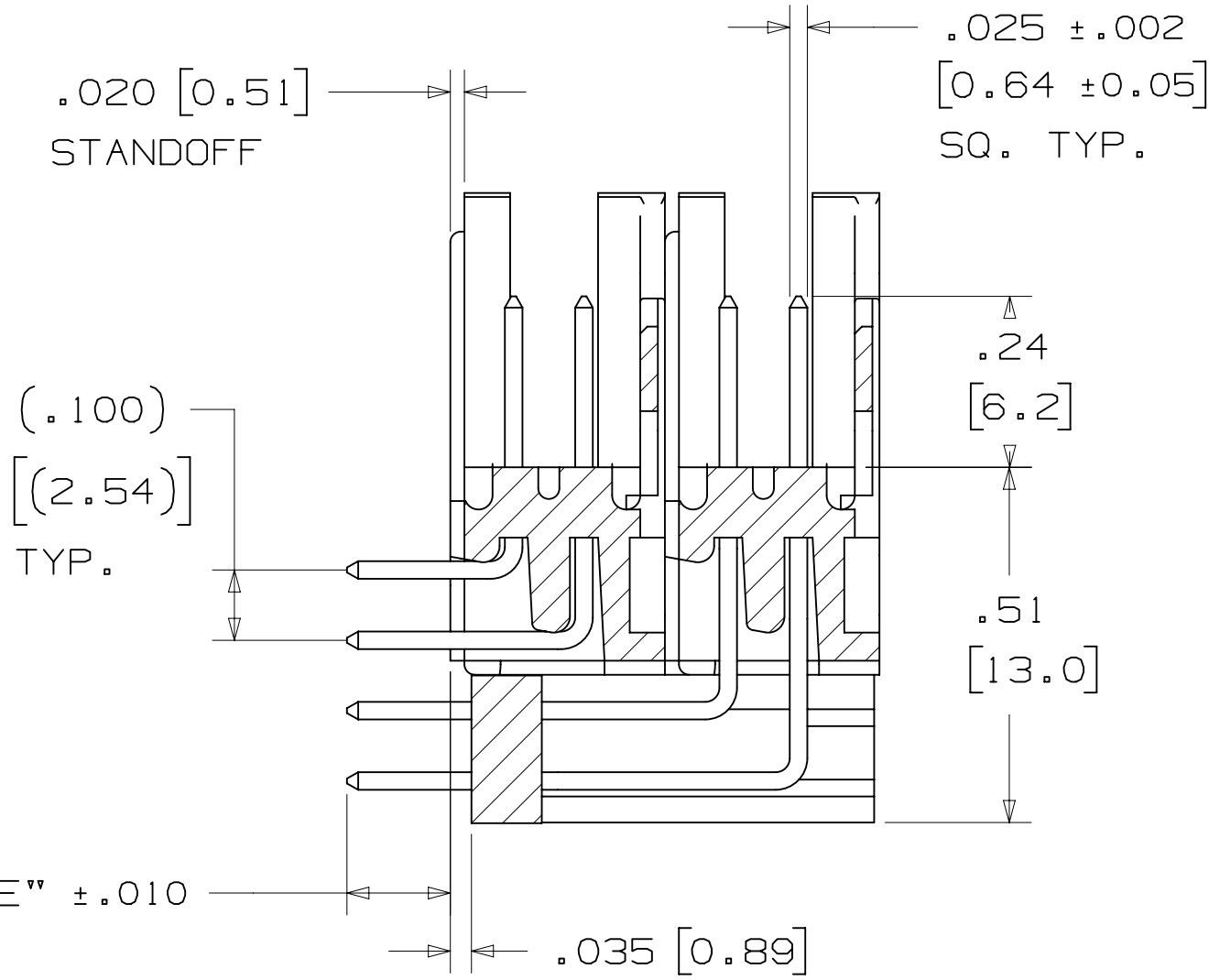
3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

UL FILE NO: E68080

DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD			
ADDRESS CODES				DRFT	CASTIGLIONE		DATE	AUG 05, 2014	MRG	DATE		
				CHKD			DATE		APPROVAL	DATE		
								FR	SCHERER	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 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
DO NOT SCALE DRAWING		SCALE 2/1									TOLERANCES EXCEPT AS NOTED	
		THIRD ANGLE PROJECTION		INCHES		TITLE						
				.0		HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA						
				.00 ± .01								
				.000 ± .005								
				.0000 ±								
				MILLIMETERS		CAGE NUMBER						
				.0		DRAWING NO.						
				.00 ± .13		SIZE						
				.00 ± .005		D78-5100-0773-1						
				.000 ±		REV.						
				ANGLES ±		MODEL						
						3000 SERIES						
						DET. LISTS ☐ YES ☒ NO SHT 1 OF 3						

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

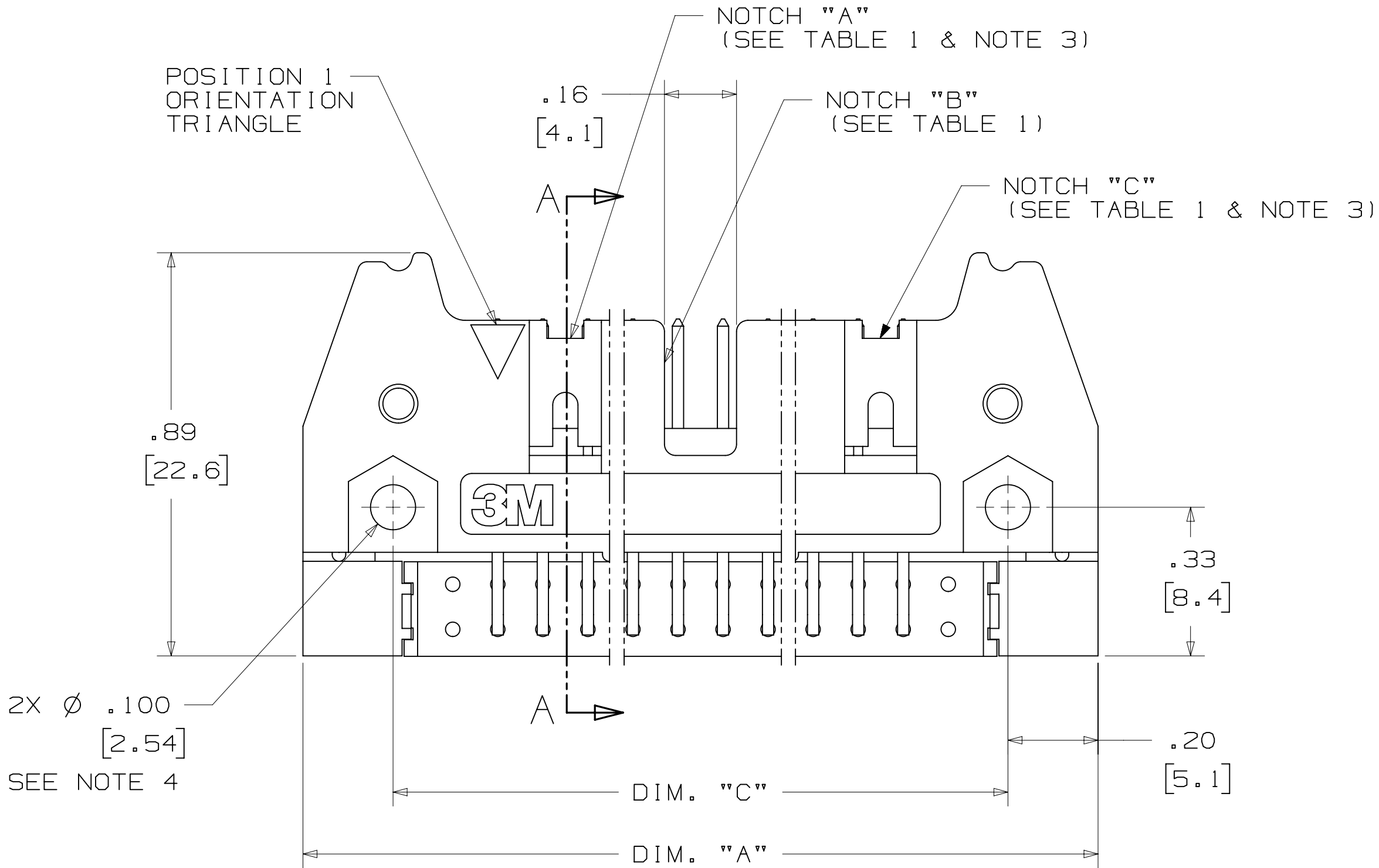
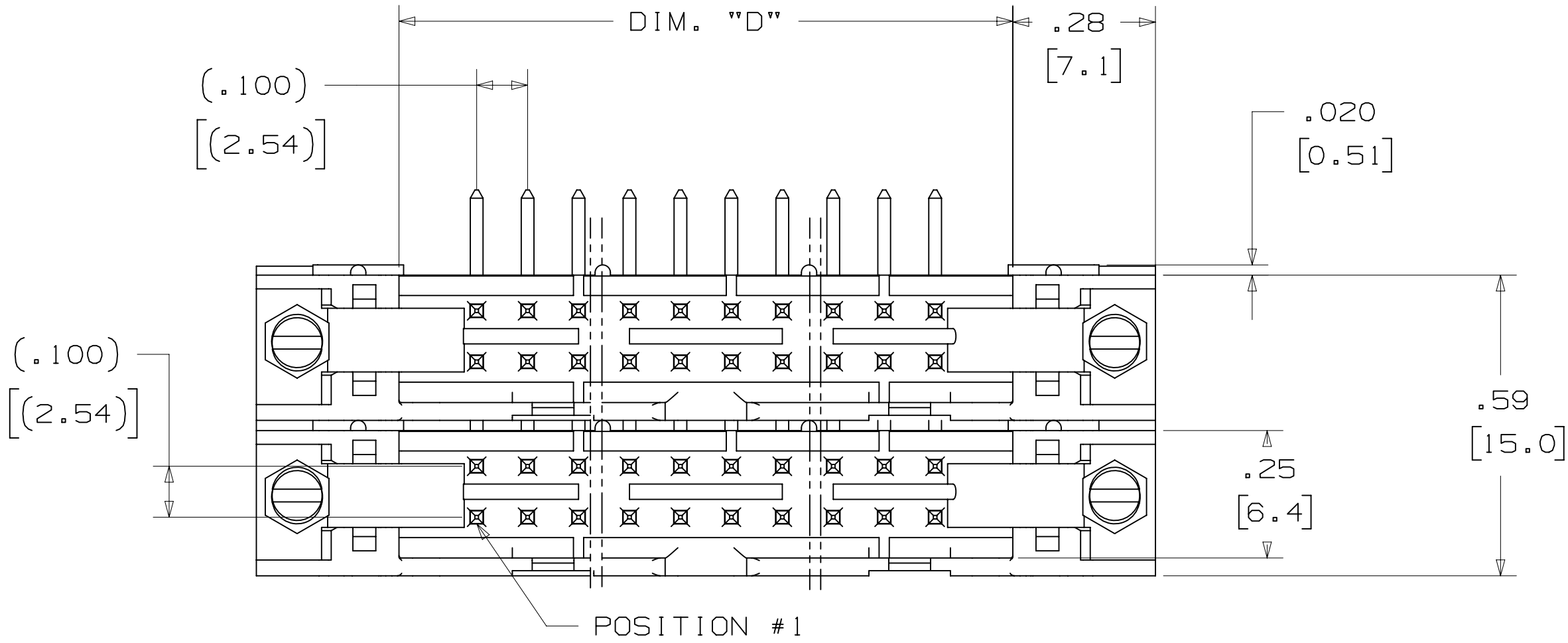


SECTION A - A

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.



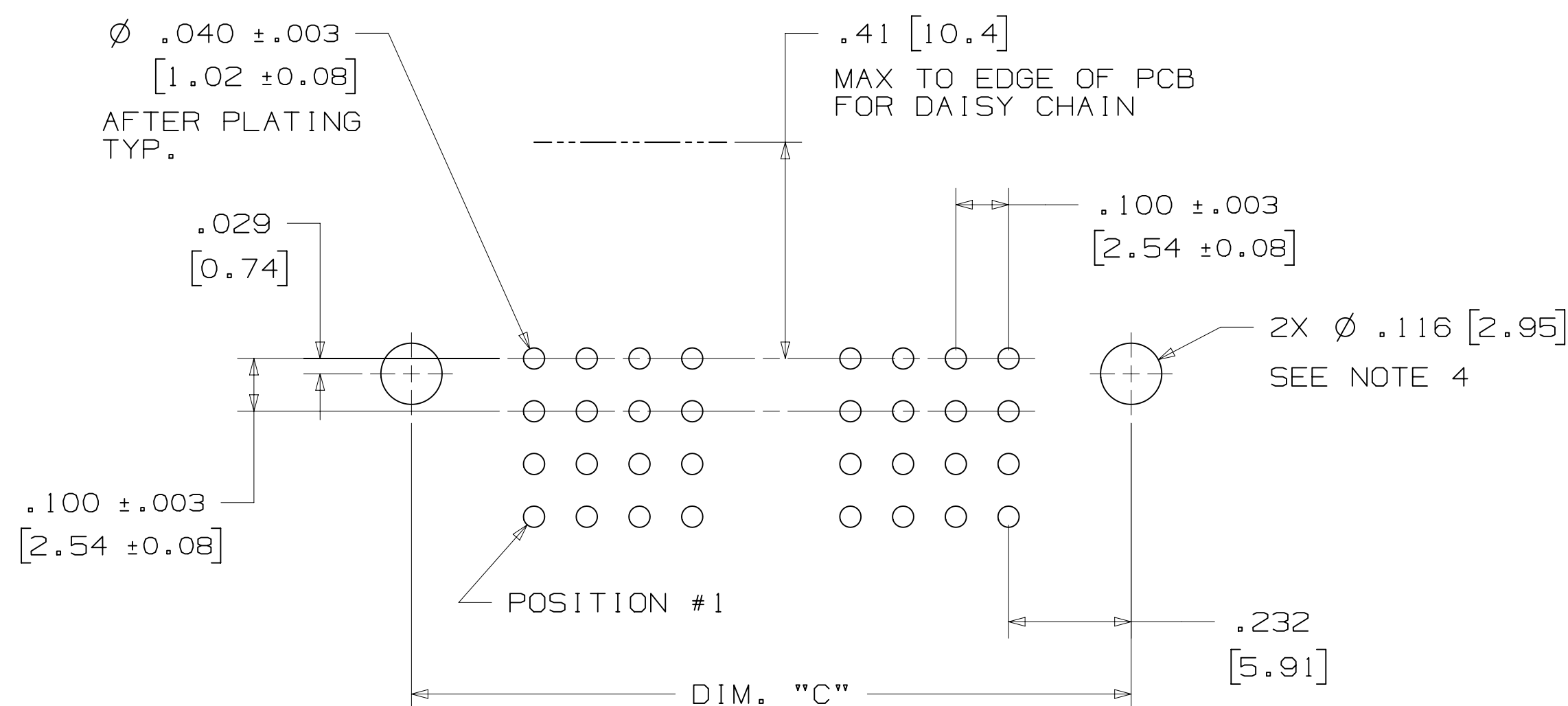
DESIGN REFERENCE		NEXT ASSEMBLY		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DR	CASTIGLIONE	DATE	DATE	DATE
CHKD	AUG 05, 2014	DATE	DATE	DATE
DIVISION		DIVISION CODE		
Interconnect Solutions		EMSD		
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		
MAX SURFACE ROUGHNESS		SURFACES		
MARKED ONLY		ANGLES		
CAGE NUMBER		DRAWING NO.		REV.
D78-5100-0773-1		K		
MODEL		3000 SERIES		REV.

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St. Paul,
MN 55144
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HEADER, 3-WALL,
CONDO, .100 X .100
LATCH/EJECTOR, RA

DET [] YES [X] NO [] SHT 2 OF 3

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

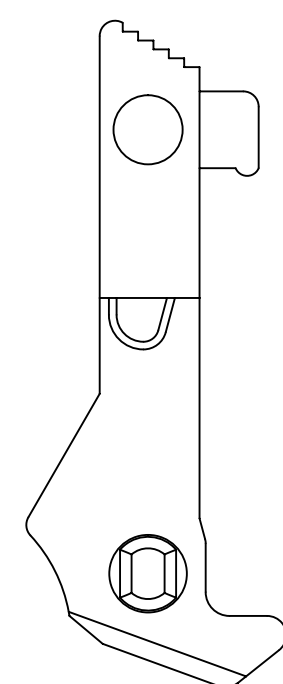


PART CUSTOMIZATION

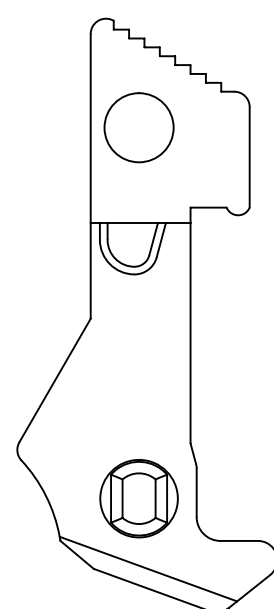
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

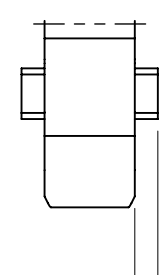
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP. (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



LONG



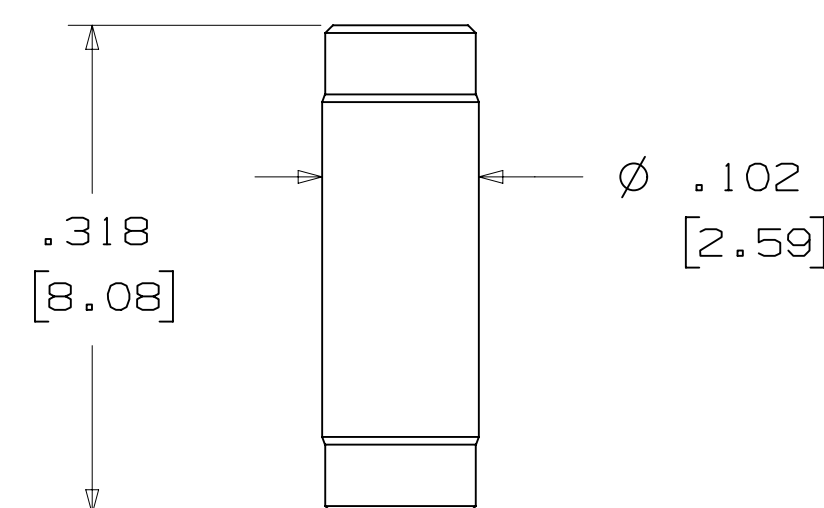
SHORT



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

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

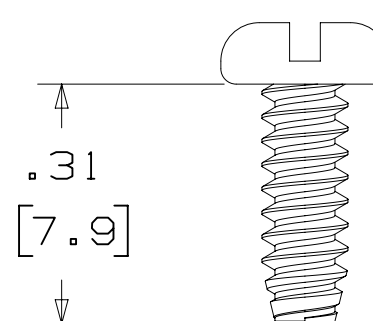
POLARIZING POST



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

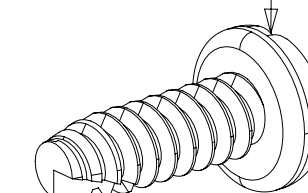
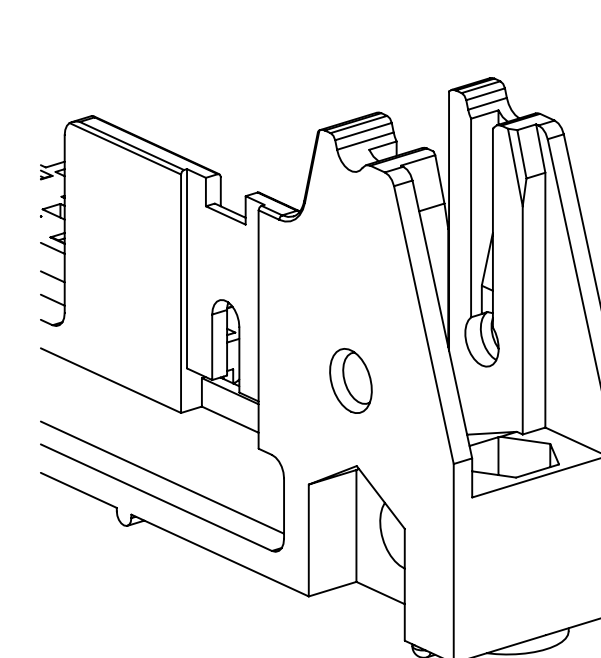
NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

MOUNTING HARDWARE



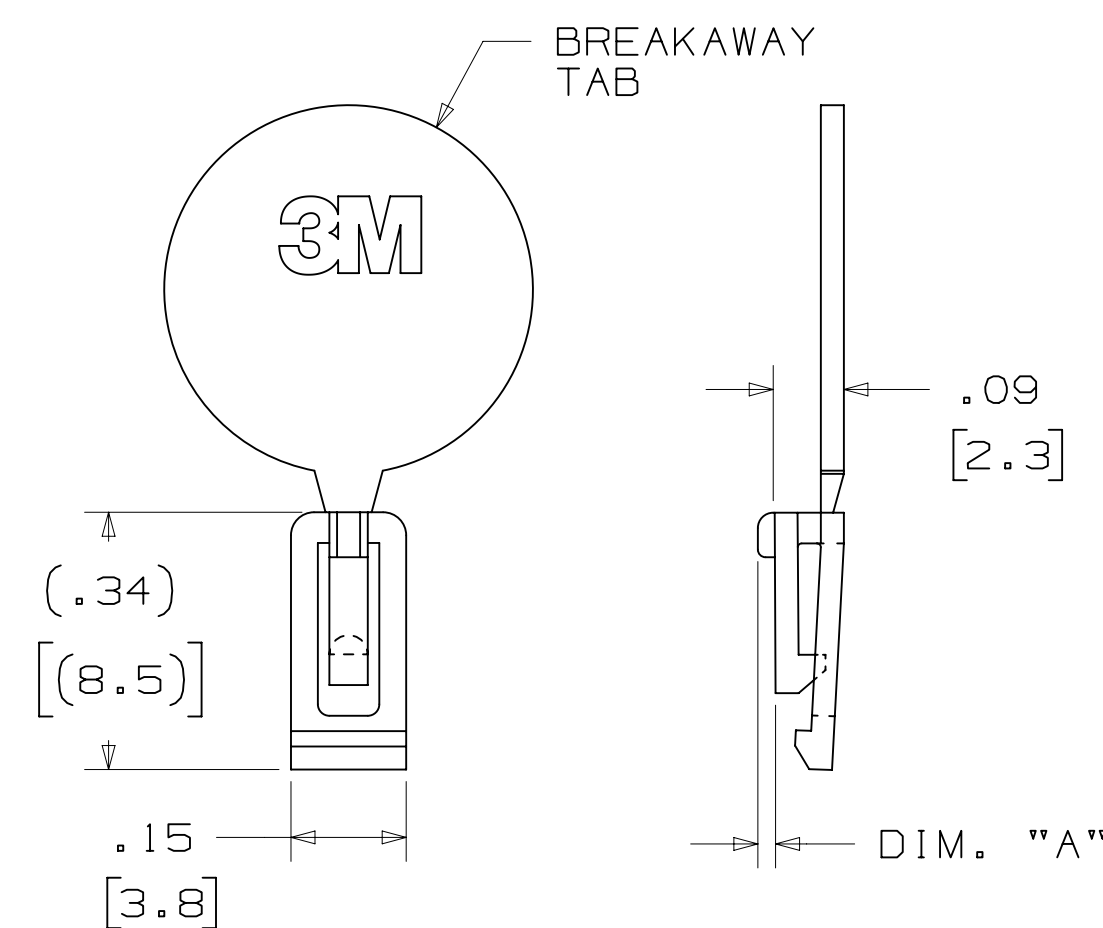
3341-5

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



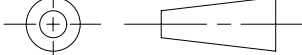
— #4-24 TYPE BT SELF THREADING SCREW
WHEN USING LATCHES, MAXIMUM LENGTH
OF SCREW IS .250 INCHES PLUS
THICKNESS OF THE BOARD.
TORQUE FOR EACH SCREW IS 3-5 INCH LBS.

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					
DESIGN REFERENCE		NEXT ASSEMBLY					
ACCESS CODES		DRFT CST 1 0 1 0 0 0 0 0		DATE AUG 05, 2014		MRG	
		CHKD		DATE		DATE	
				APPROVAL		DATE	
				R. SCHERER		SEP 05,2014	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015			
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DRAWING		INCHES		TITLE			
4		0.0 ± 0.00 ± .01 0.000 ± .005 0.0000 ±		HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA			
		MILLIMETERS		CAGE NUMBER			
THIRD ANGLE PROJECTION		0 ± 0.00 ± .3 0.00 ± .13 0.000 ±		SIZE			
INTERPRET PER ASME Y14.5 - 2009		0 ± 0.00 ± .3 0.00 ± .13 0.000 ±		DRAWING NO.			
MAX SURFACE ROUGHNESS		0 ± 0.00 ± .3 0.00 ± .13 0.000 ±		D 78-5100-0773-1			
1 MAX SURFACES		0 ± 0.00 ± .3 0.00 ± .13 0.000 ±		REV.			
1 MARKED ONLY		0 ± 0.00 ± .3 0.00 ± .13 0.000 ±		K			
		ANGLES		MODEL			
				3000 SERIES			
				DET. TITS			
				YES ☒ NO			
				SHT 3 OF			

Mouser Electronics

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[4](#) [3428-D202](#) [3429-D002](#) [N3408-D302RB](#) [N3433-D302RB](#) [3764-D302](#) [3432-D302](#) [N3793-D302RB](#) [3793-D302](#)
[3793-6202](#) [N3431-D202RB](#) [3764-D202](#) [N3314-D202RB](#) [N3314-D302RB](#) [N3372-D202RB](#) [N3372-D302RB](#) [N3408-](#)
[D202RB](#) [N3428-D202RB](#) [N3428-D302RB](#) [N3429-D202RB](#) [N3429-D302RB](#) [N3431-D002RB](#) [N3431-D302RB](#)
[N3432-D202RB](#) [N3432-D302RB](#) [N3433-D002RB](#) [N3433-D202RB](#) [N3440-D202RB](#) [N3440-D302RB](#) [N3627-D202RB](#)
[N3627-D302RB](#) [N3764-D202RB](#) [N3764-D302RB](#) [N3793-D202RB](#)