

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



X3XXX-DXXXXX

3M PART NUMBER:
(SEE TABLE 1)

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

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

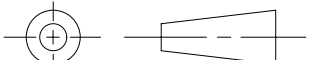
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FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

2 PHYSICAL :

CONTACT :
MATERIAL : COPPER ALLOY
PLATING :
UNDER PLATING : 100 μ " [2.54 μ m] NICKEL-OVERALL
WIPING AREA : 30 μ " [0.76 μ m] AVG. GOLD
SOLDER TAILS : 200 μ " [5.08 μ m] TIN LEAD OR MATTE TIN (SEE ORDERING INFORMATION)
MARKINGS : 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

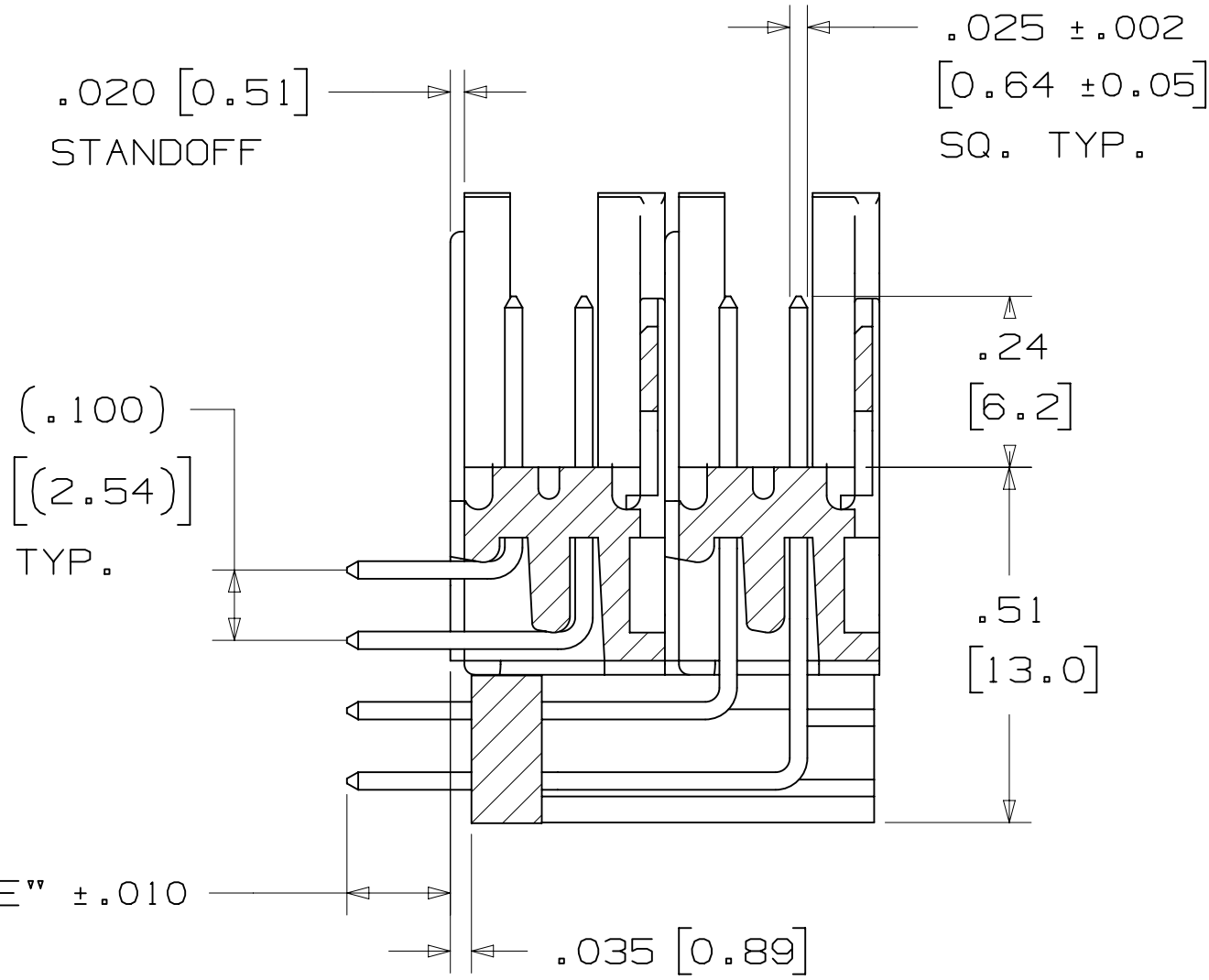
CURRENT RATING: 1A (EIA 364-70)
INSULATION RESISTANCE: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

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)

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ACCESS CODES				DRFT CASTIGLIONE		DATE 05, 2014		MFG		DATE			
				CHKD		DATE		APPRV. R. SCHERER		DATE SEP 05, 2014			
DIVISION Interconnect Solutions				DIVISION CODE EMSD				© 3M COPYRIGHT 2015					
DO NOT SCALE DRAWING		SCALE 2 1		TOLERANCES EXCEPT AS NOTED		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.			
 THIRD ANGLE PROJECTION				INCHES .00 ± .00 ± .01 .000 ± .005 .0000 ±		TITLE HEADER, 3-WALL, CONDO, 100 X 100 LATCH/EJECTOR, RA		CAGE NUMBER D		DRAWING NO. 578-5100-0773-1		REV. K	
INTERPRET PER ASME Y14.5 - 2009 ☒ MAX. SURFACE ROUGHNESS ☒ ALL SURFACES ☐ MARKED ONLY				MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±									
MODEL				3000 SERIES				DET.		LISTS		YES ☒ NO ☐ SHT 1 OF 2	

UL[®]
US
UL FILE NO: E68080

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

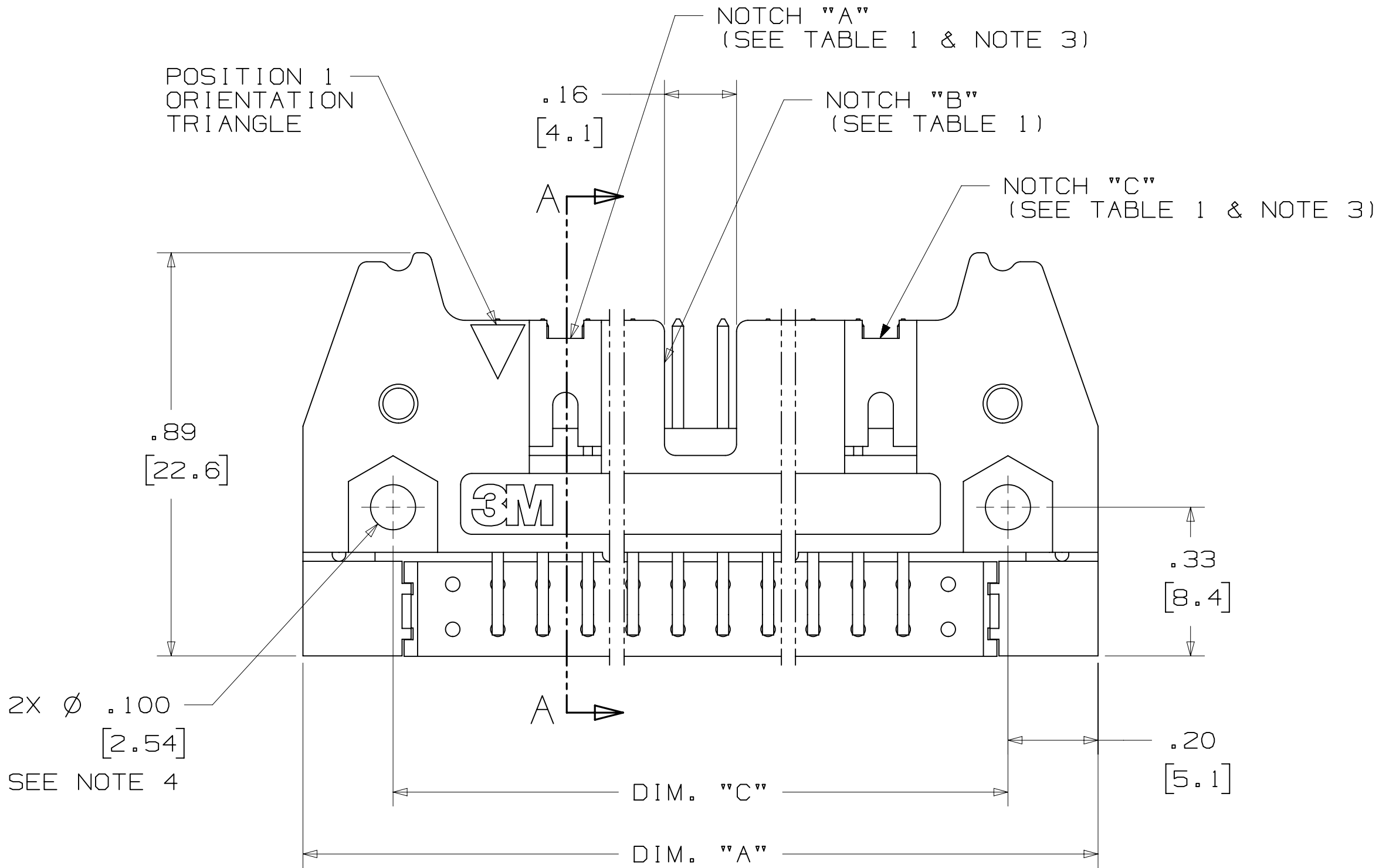
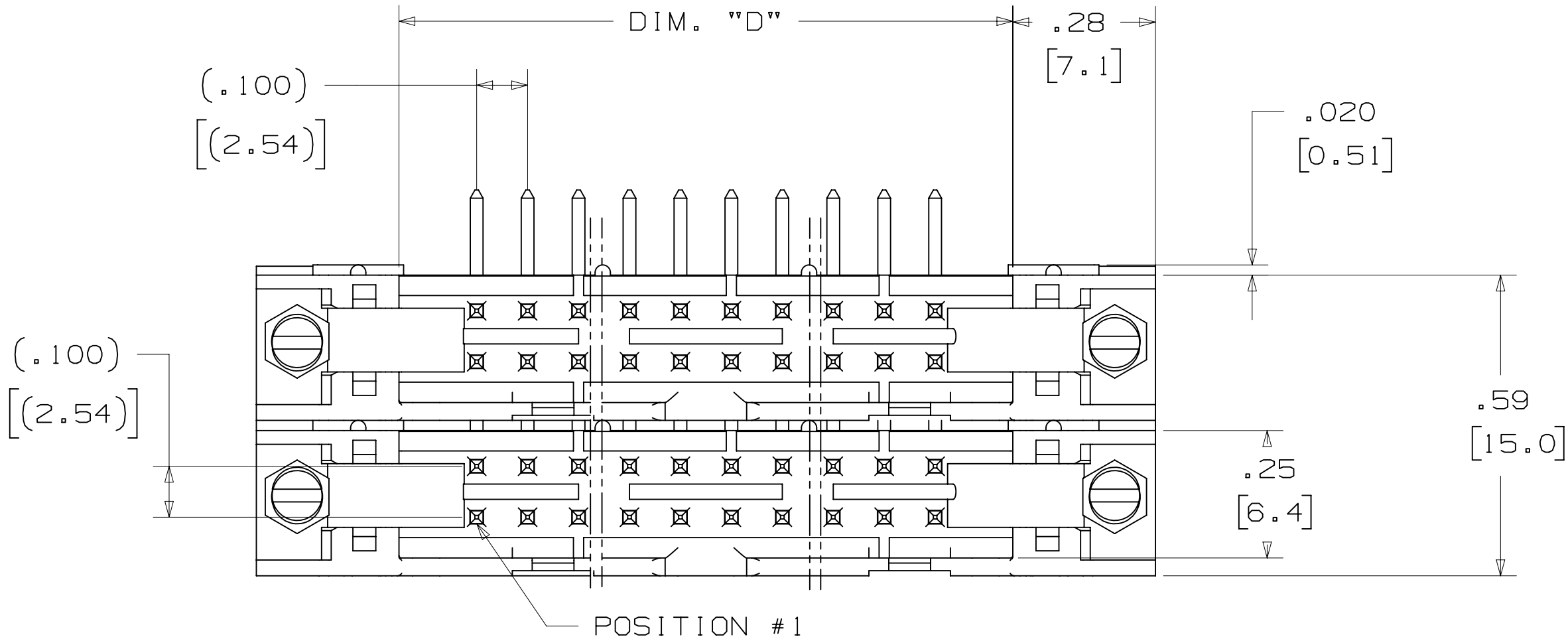


SECTION A - A

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
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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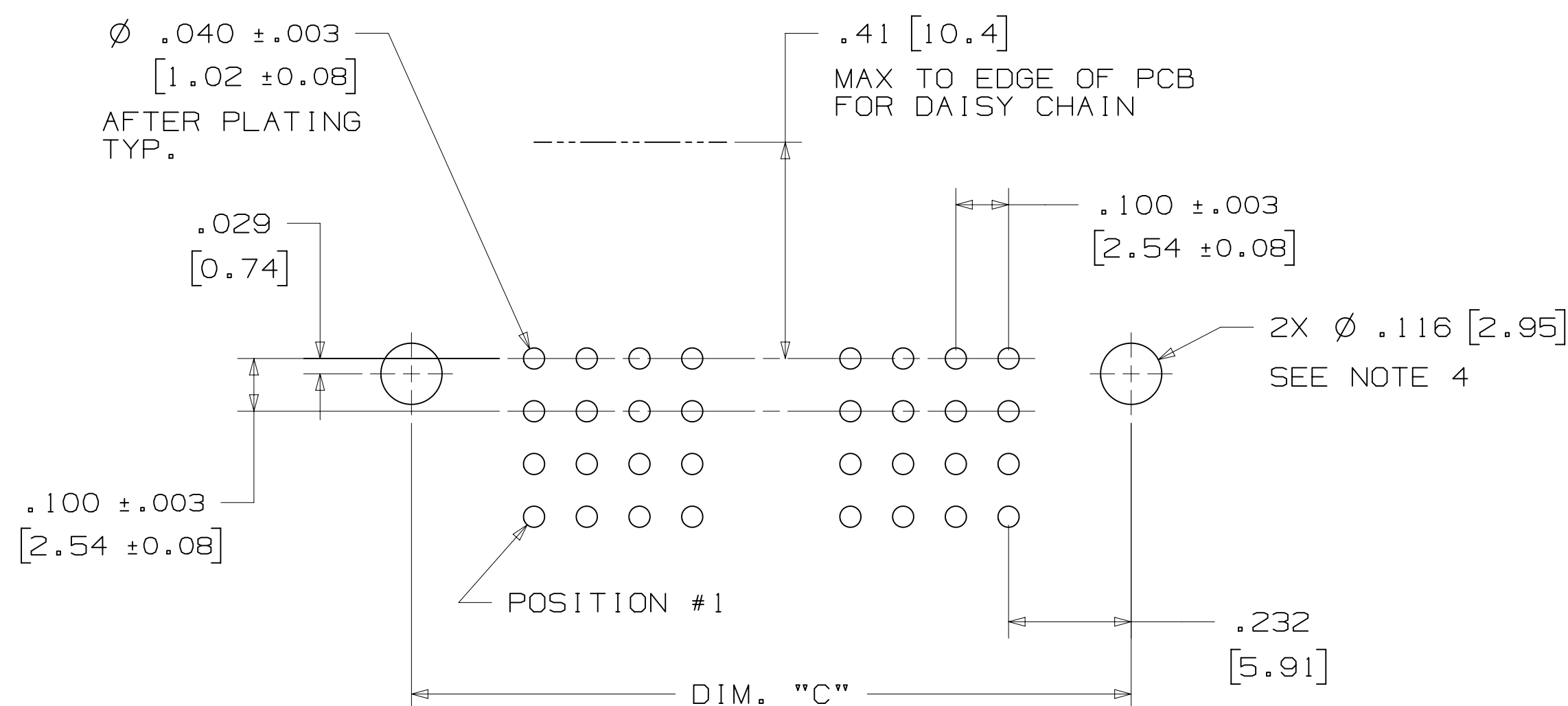
3M Center
St. Paul,
MN 55144

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

K	60056	MAR 06,2015	JNC	RS
REVISE ORDERING NUMBER				
J	56068	AUG 05,2014	JNC	RS
REVISED AND REDRAWN				

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

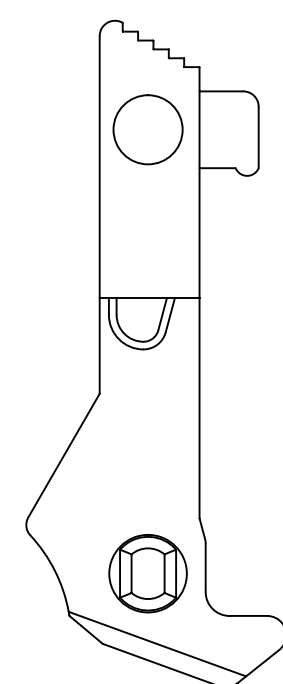


PART CUSTOMIZATION

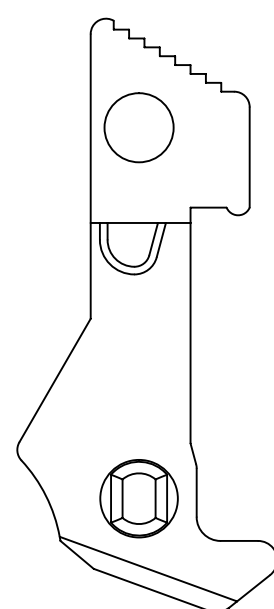
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

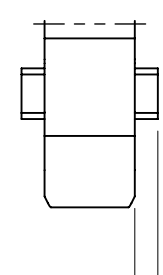
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP. (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



LONG



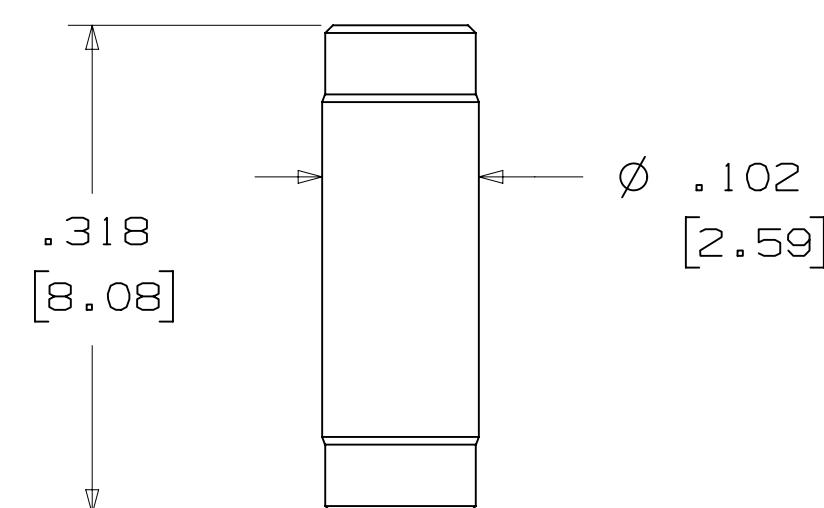
SHORT



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

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

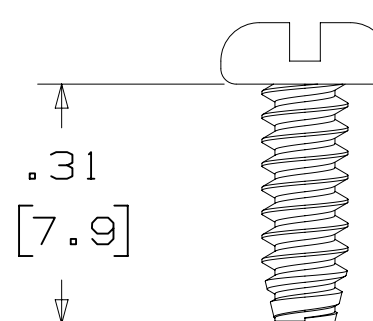
POLARIZING POST



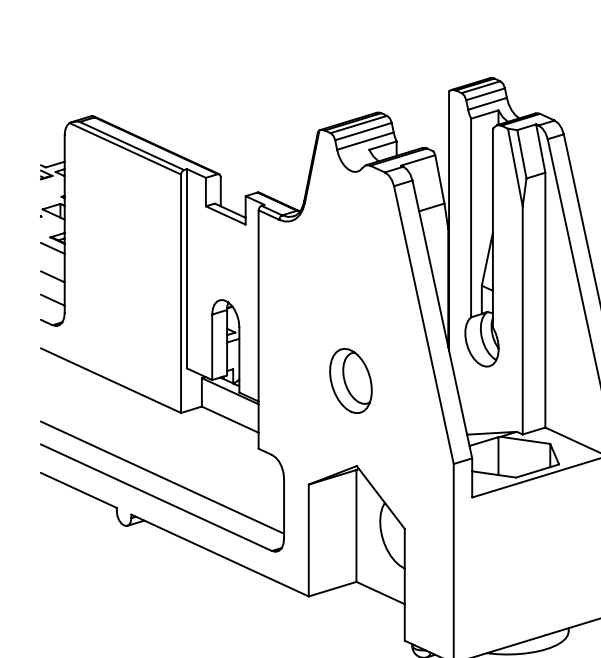
3M PART NO.	MATERIAL	COLOR
3201 - 4	LCP	BLACK

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

MOUNTING HARDWARE

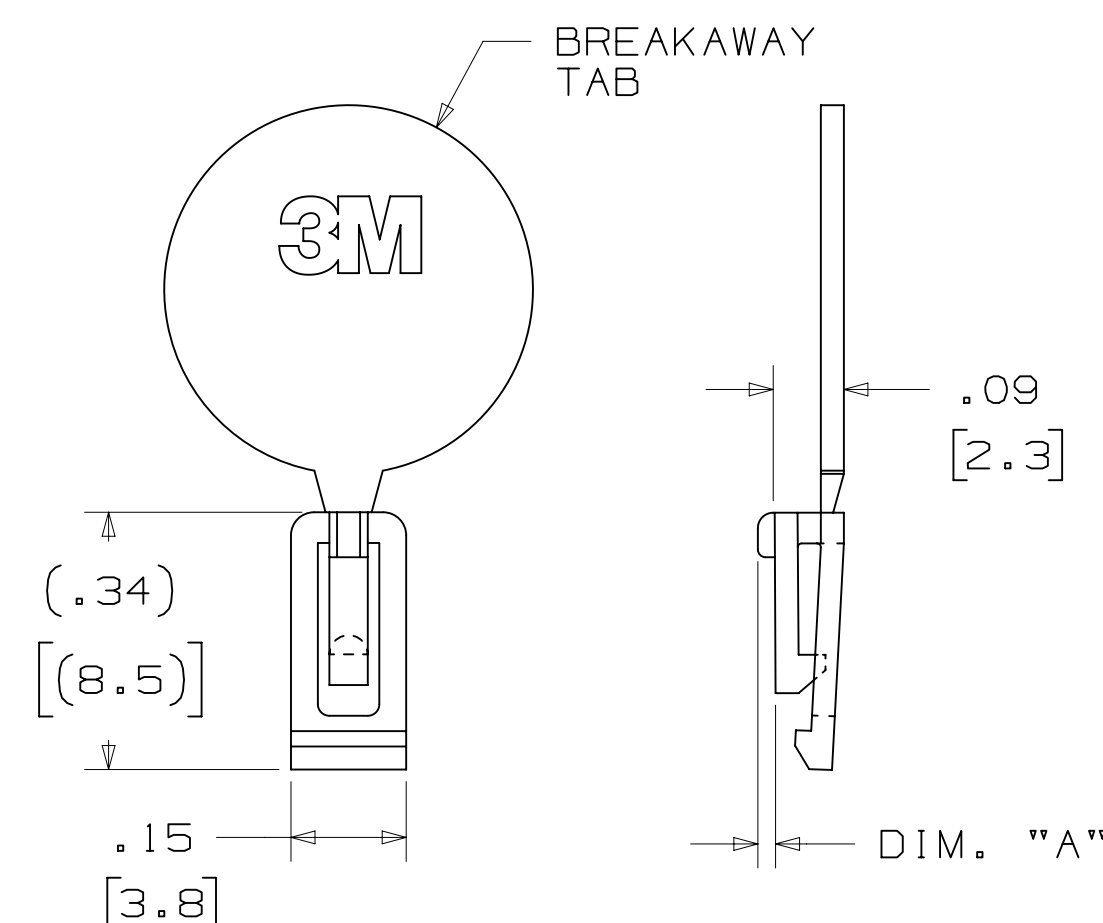


3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



— #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		REV ECO		ISSUE DATE AND DESCRIPTION AUG 05,2014		DRFT CHKD	
DIVISION Interconnect Solutions		DIVISION CODE EMSD		DATE AUG 05,2014		DATE SEP 05,2014	
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED INCHES		DATE AUG 05,2014		DATE SEP 05,2014	
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