

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



X3XXX-DXXXXX

- PLATING:

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

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

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

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 ACCOMMODATE 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.

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

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)

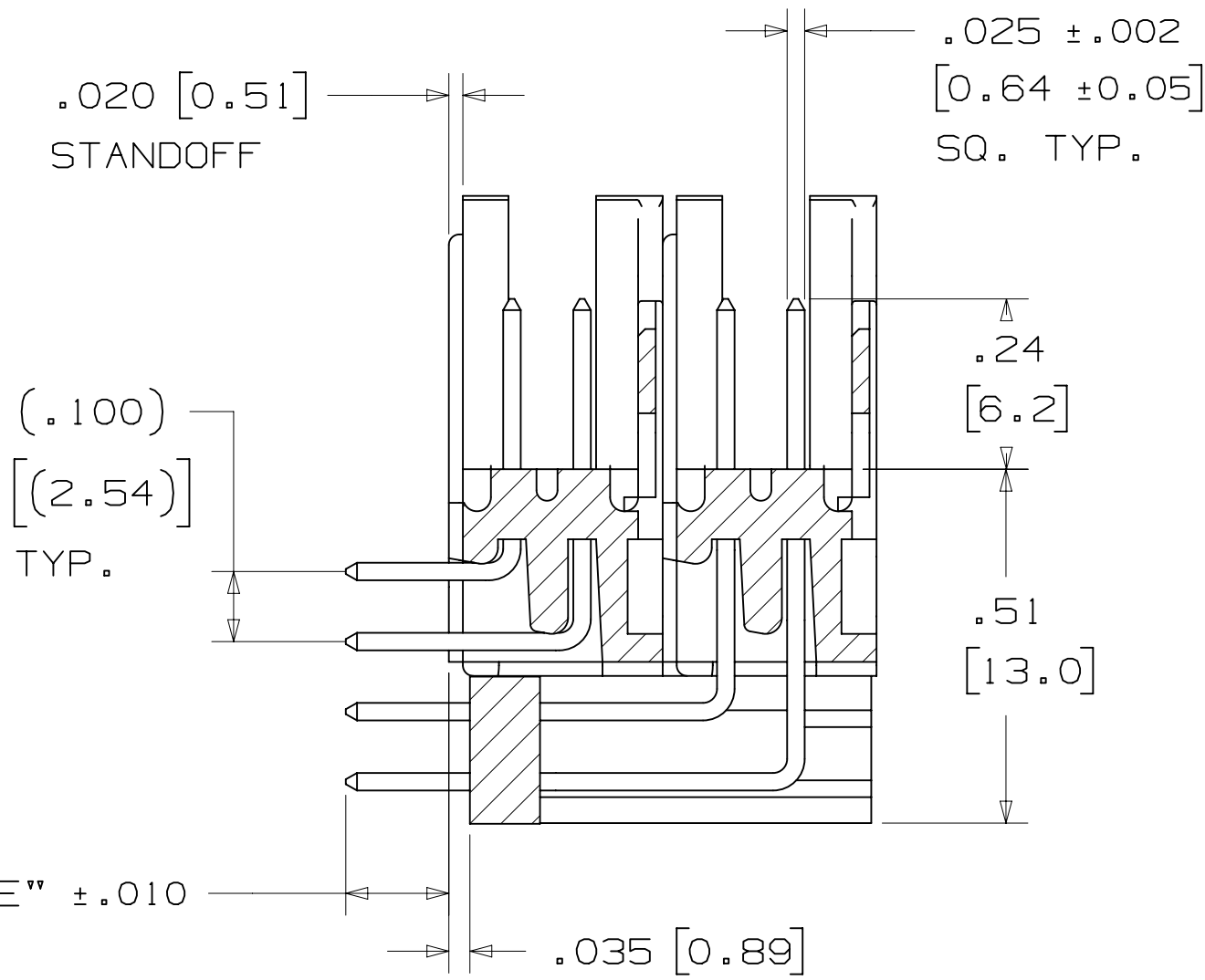
K	60056	MAR 06, 2015		JNC	RS
		REVISE ORDERING			
J	56068	AUG 05, 2014		JNC	RS
		REVISED AND REDRAWN			
REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DRFT	CAS1GL1ONE	DATE	AUG 05, 2014	MFG	DATE
CHKD		DATE		APPR. R. SCHERER	DATE SEP 05, 2014
 3M Center St. Paul, MN 55144		© 2013 COPYRIGHT 2015 This document 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, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA					
CAGE NUMBER	SIZE	DRAWING NO.			REV.
	D	78-500-0773-1			K
MODEL	3000 SERIES		DET. LISTS	☐ YES ☒ NO	
			SHT	1 OF 3	

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

DESIGN REFERENCE		NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
APPROVAL CODES			BY CASTIGLIONE		DATE AUG 05, 2014	IFG	DATE
			CHKD		DATE	APPR. R. SCHERER	DATE SEP 05, 2014
DIVISION Interconnect Solutions			DIVISION CODE EMSD		© 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.		
DO NOT SCALE DRAWING		SCALE <u>2</u> 1	TOLERANCES EXCEPT AS NOTED				
		INCHES 0.0 ± 0.00 ± .01 0.000 ± .005 0.000 ±	TITLE HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA				
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± 0 ± .3 0.00 ± .13 0.000 ±	CAGE NUMBER SIZE DRAWING NO. D 78-5100-0773-1				
MAX. SURFACE ROUGHNESS ✓  <u>0.4</u> SURFACES ✓ ☐ MARKED ONLY			MODEL 3000 SERIES		DET. LISTS ☐ YES ☒ NO	SHT 1 OF 3	REV. K

UL[®]
US
UL FILE NO: E68080

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

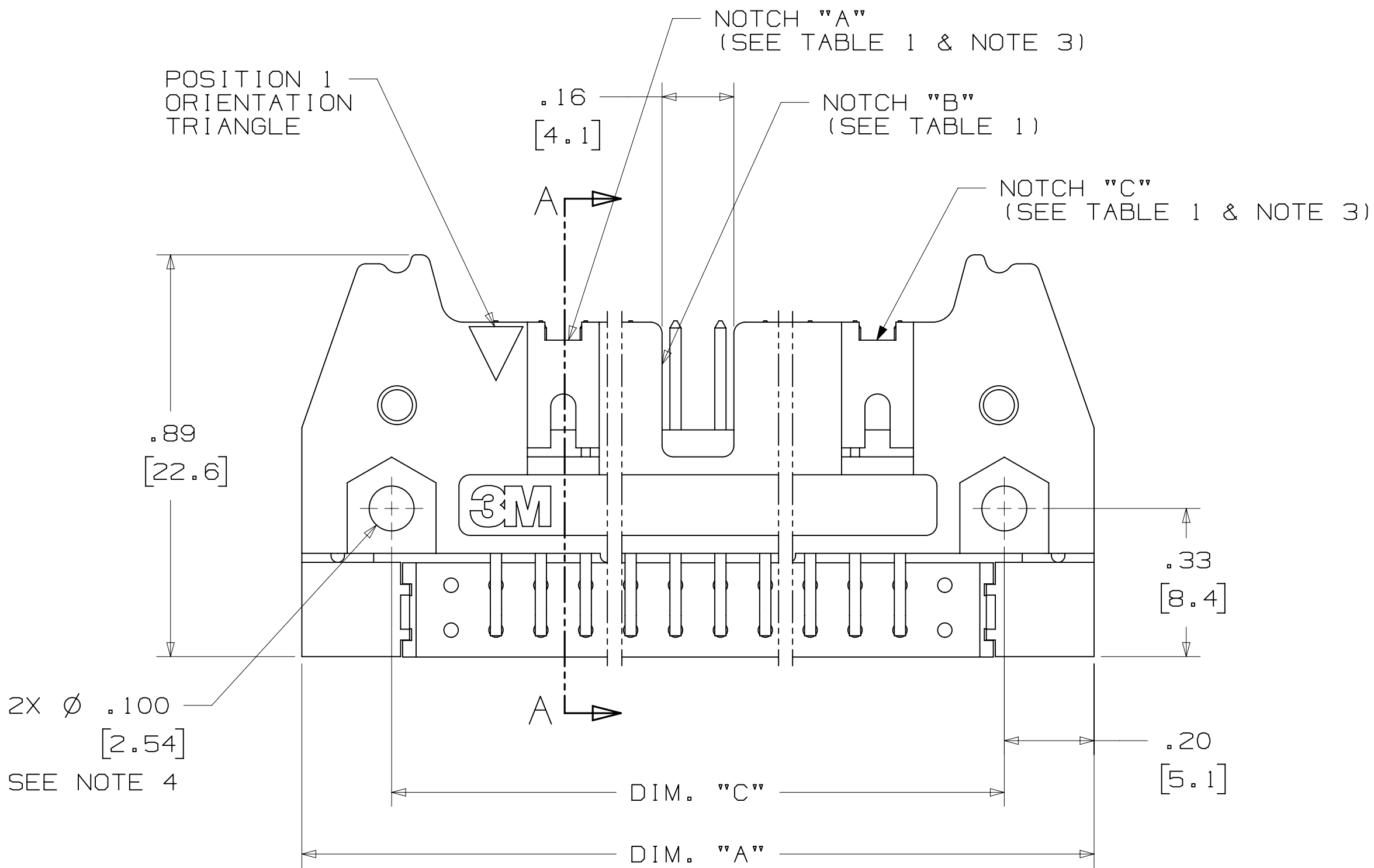
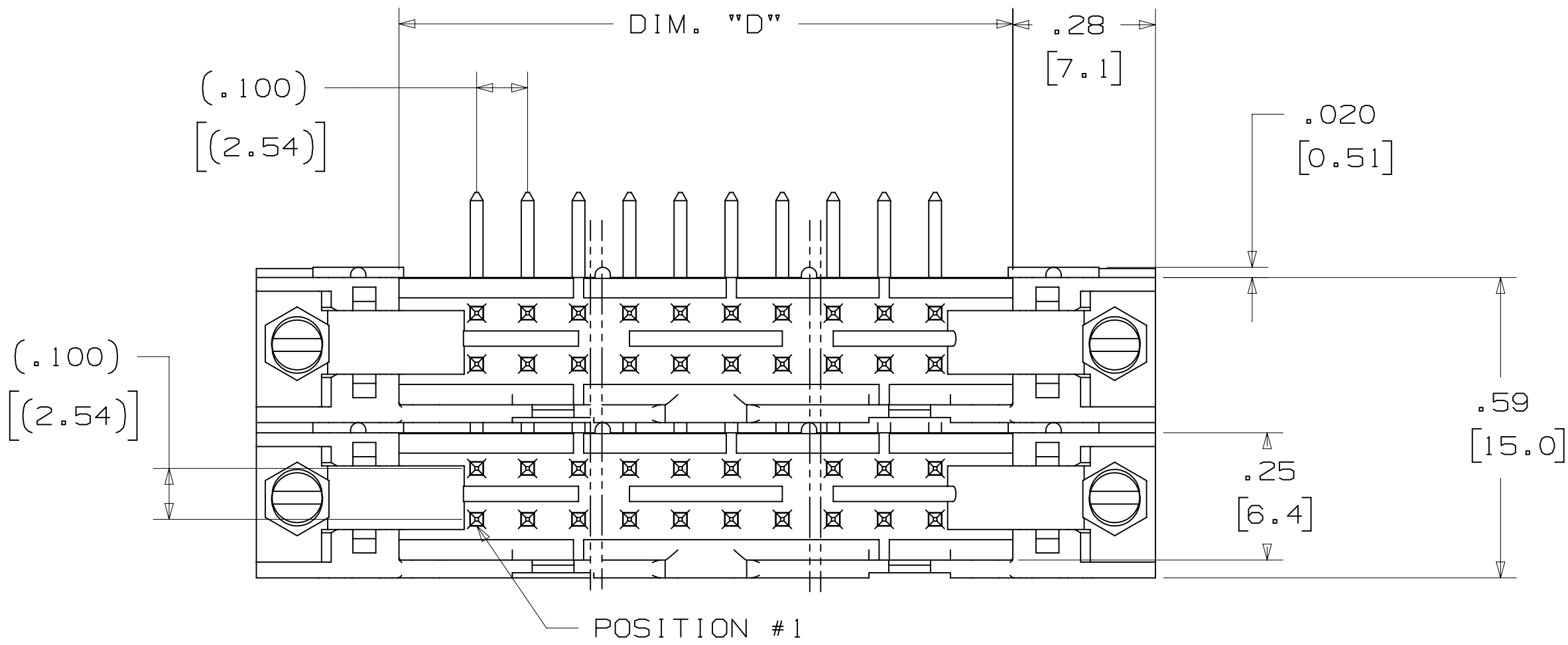


SECTION A - A

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

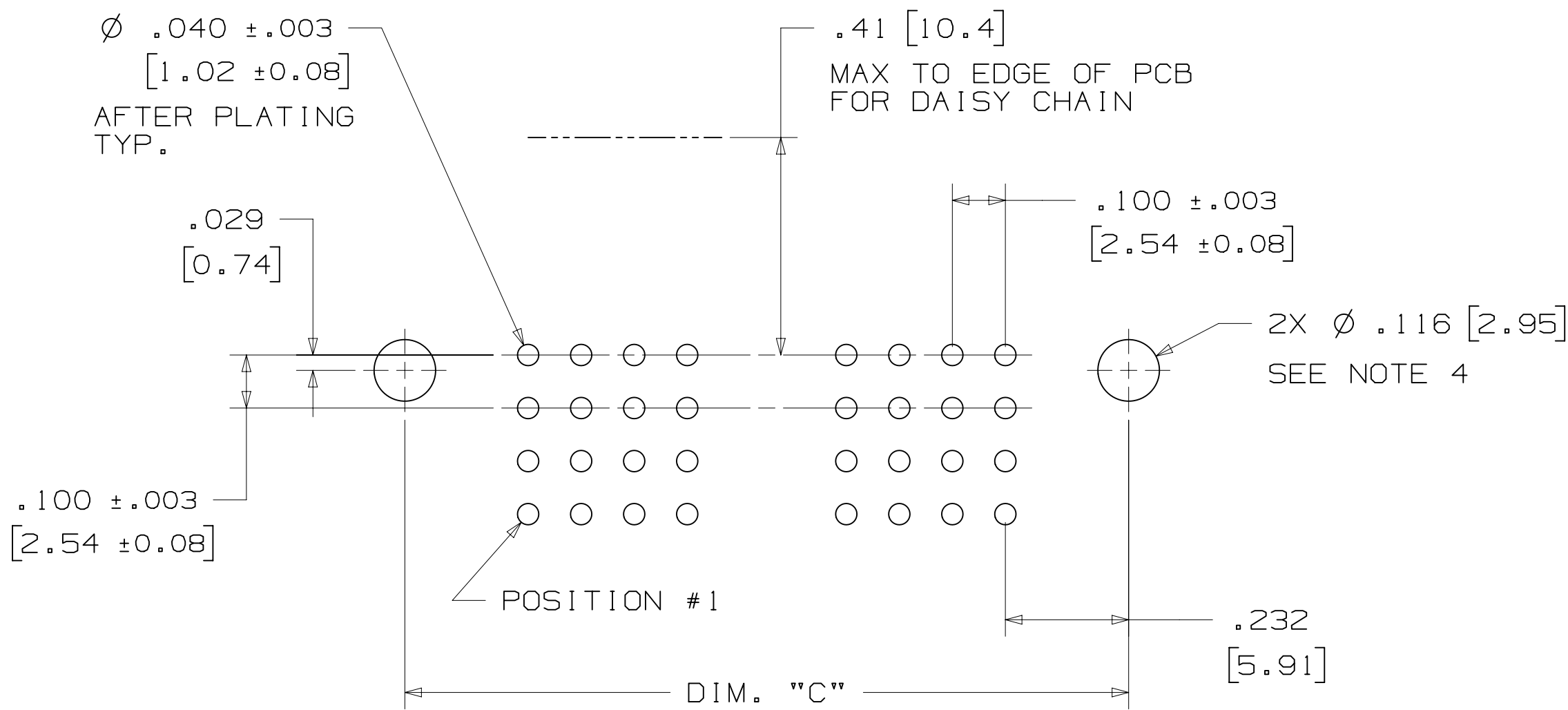
TABLE 2		
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"
-XX02	02	.112 [2.84]
-XX03	03	.155 [3.94]

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



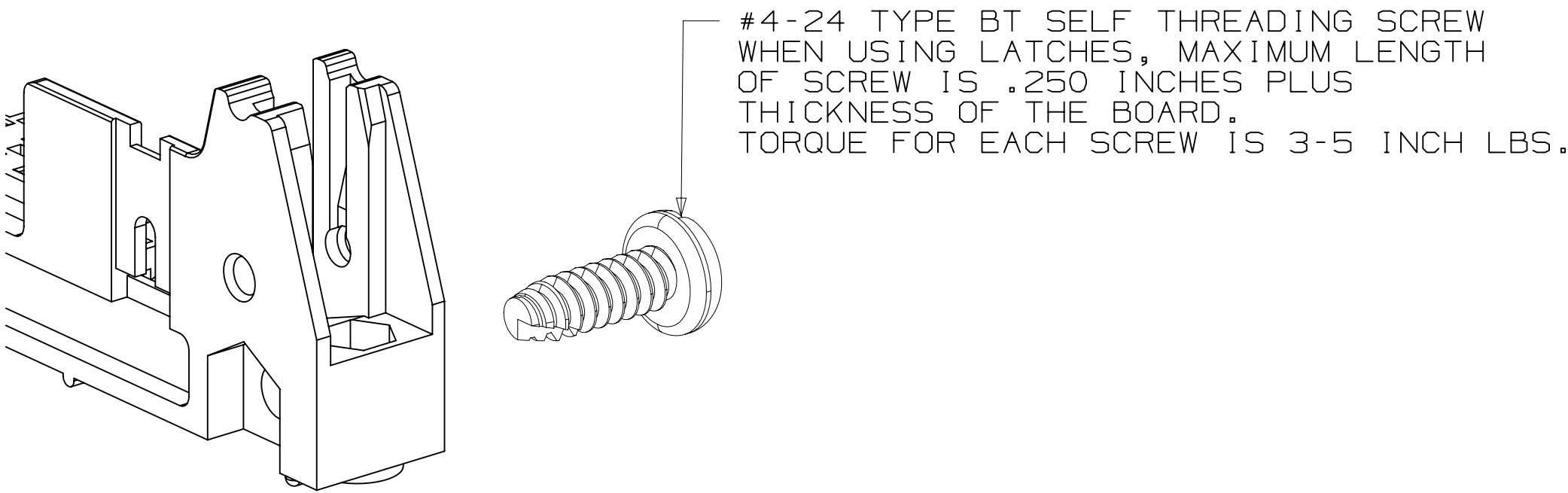
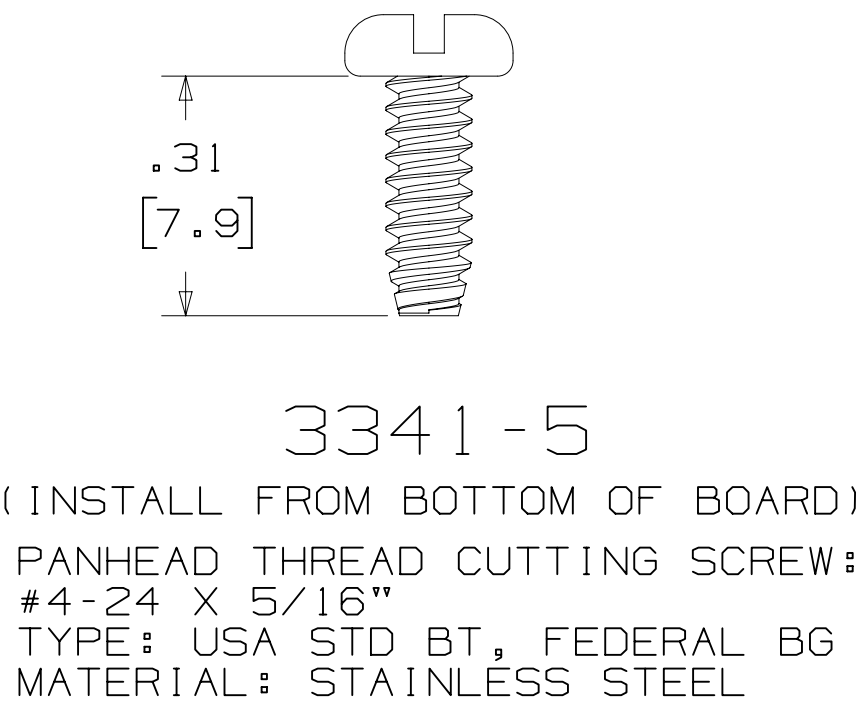
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
3M CODES		DR	CASTIGLIONE	DATE AUG 05, 2014	MFG	DATE
		CHKD		DATE	APPR	DATE
					R. SCHERER	SEP 05, 2014
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	© 3M COPYRIGHT 2015		
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144		
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	INCHES .00 ± .01 .000 ± .005 .0000 ±		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.		
MAX SURFACE ROUGHNESS	1X SURFACES	MILLIMETERS 0 ± .00 ± .03 .00 ± .13 .000 ±		TITLE		
MARKED ONLY	ANGLES			HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA		
		CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D	78-5100-0773-1	K		
		MODEL	3000 SERIES	DET	ISTS	
				YES	NO	
				SHT	2 OF 3	

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



RECOMMENDED MOUNTING HOLE PATTERN

MOUNTING HARDWARE



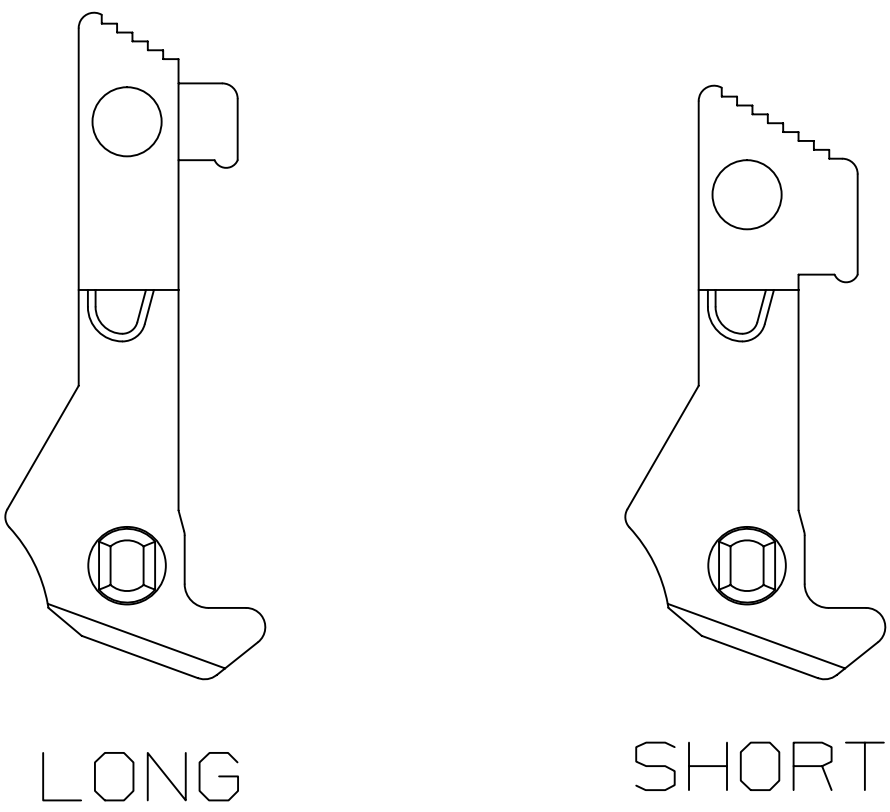
PART CUSTOMIZATION

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.

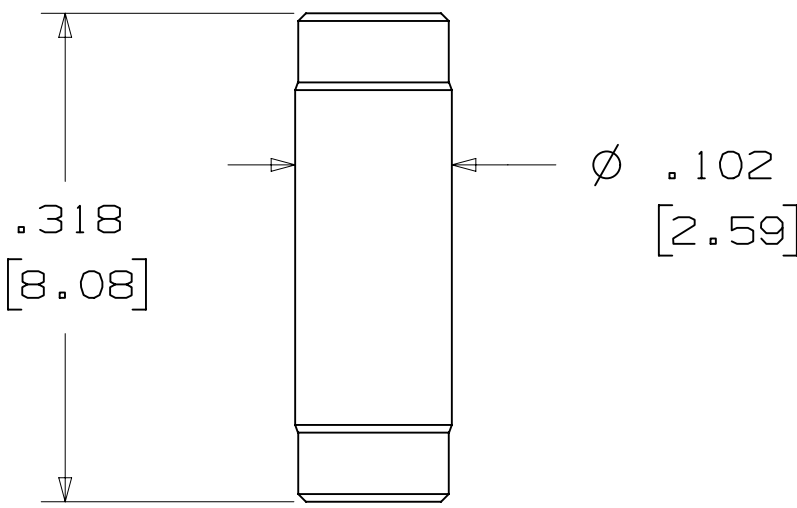
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



SNAP-IN LATCHES

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

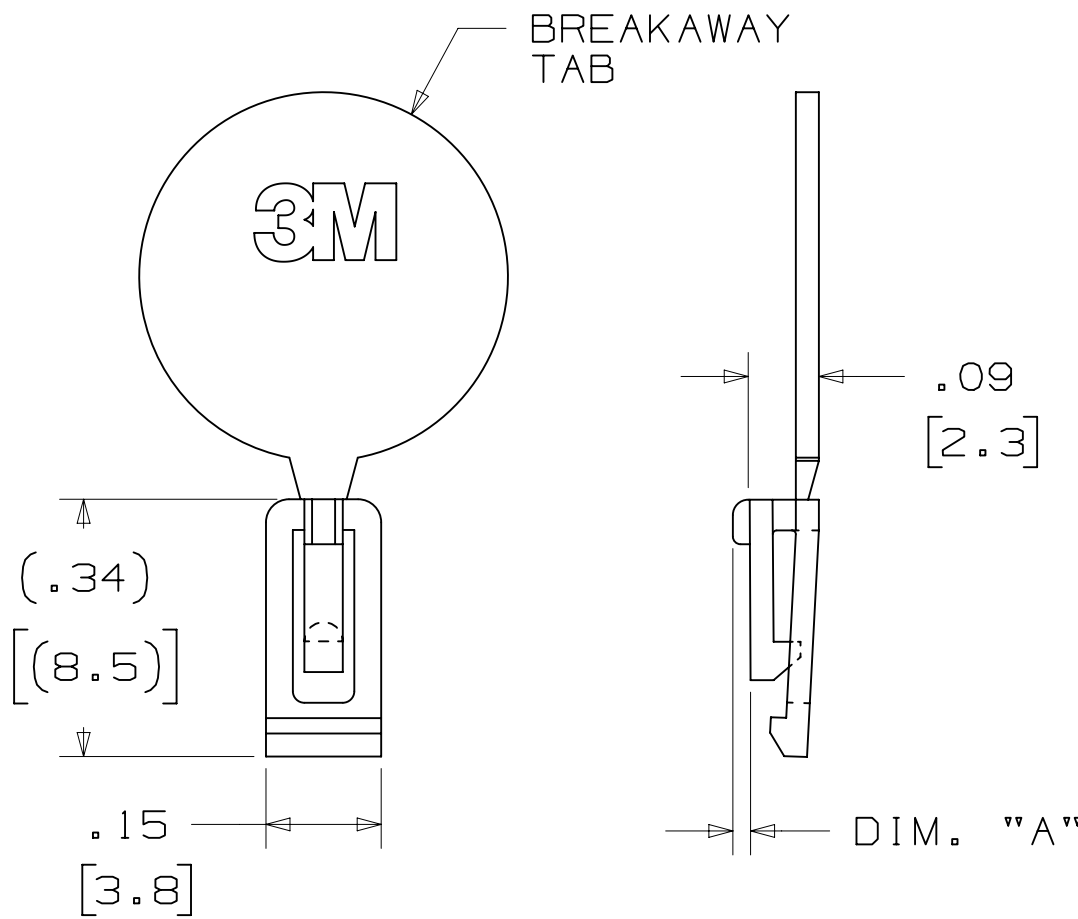
POLARIZING POST



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]

POLARIZING KEY



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

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

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Interconnect Solutions	EMSD	DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED	INCHES .00 $\pm$.01 .000 $\pm$.0005 .0000 $\pm$	MILLIMETERS 0 $\pm$.3 .00 $\pm$.13 .000 $\pm$
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CASTIGLIONE	AUG 05,2014	MFG	DATE	APPR	R. SCHERER	DATE
CHKD	DATE	DATE	DATE	DATE	DATE	DATE
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THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MARKED ONLY	ANGLES			
CAGE NUMBER	SIZE	DRAWING NO.	REV.	K		
MODEL	3000 SERIES	DET	LISTS	YES	NO	SHT 3 OF 3