

.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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INFORMATION CALL 800-225-5373

2 PHYSICAL :

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

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

2 IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.

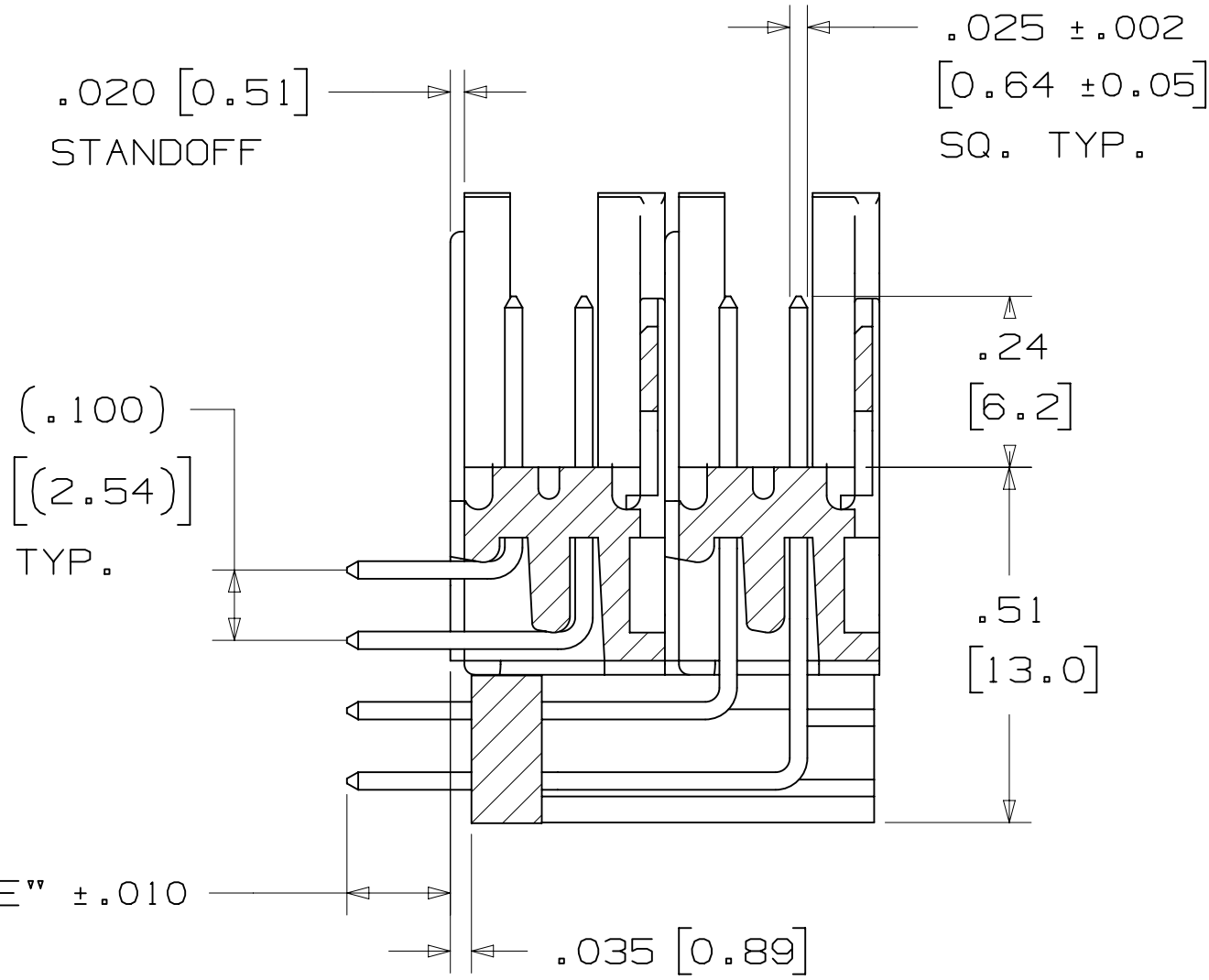
3 NOTCHES A & C WILL ACCOMODATE
3M POLARIZING KEY: N3518.

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
ACROSS CODES				BRF	CST	GL	ONE	DATE	
				CHKD				DATE	
								APPRV	SEP 05, 2014
								R. SCHERER	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015					
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DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M					
SCALE $\frac{2}{1}$				St. Paul, MN 55144					
INCHES				TITLE					
THIRD ANGLE PROJECTION		MILLIMETERS		HEADER, 3-WALL, CONDO, 100 X 100 LATCH/EJECTOR, RA					
INTERPRET PER ASME Y14.5 - 2009				CAGE NUMBER					
MAX SURFACE ROUGHNESS				SIZE					
MIN SURFACES				DRAWING NO.					
MARKED ONLY				D 78-5100-0773-1					
				REV.					
				K					
				MODEL					
				3000 SERIES					
				DET.					
				SHT 1 OF 3					

UL[®]
US
UL FILE NO: E68080

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

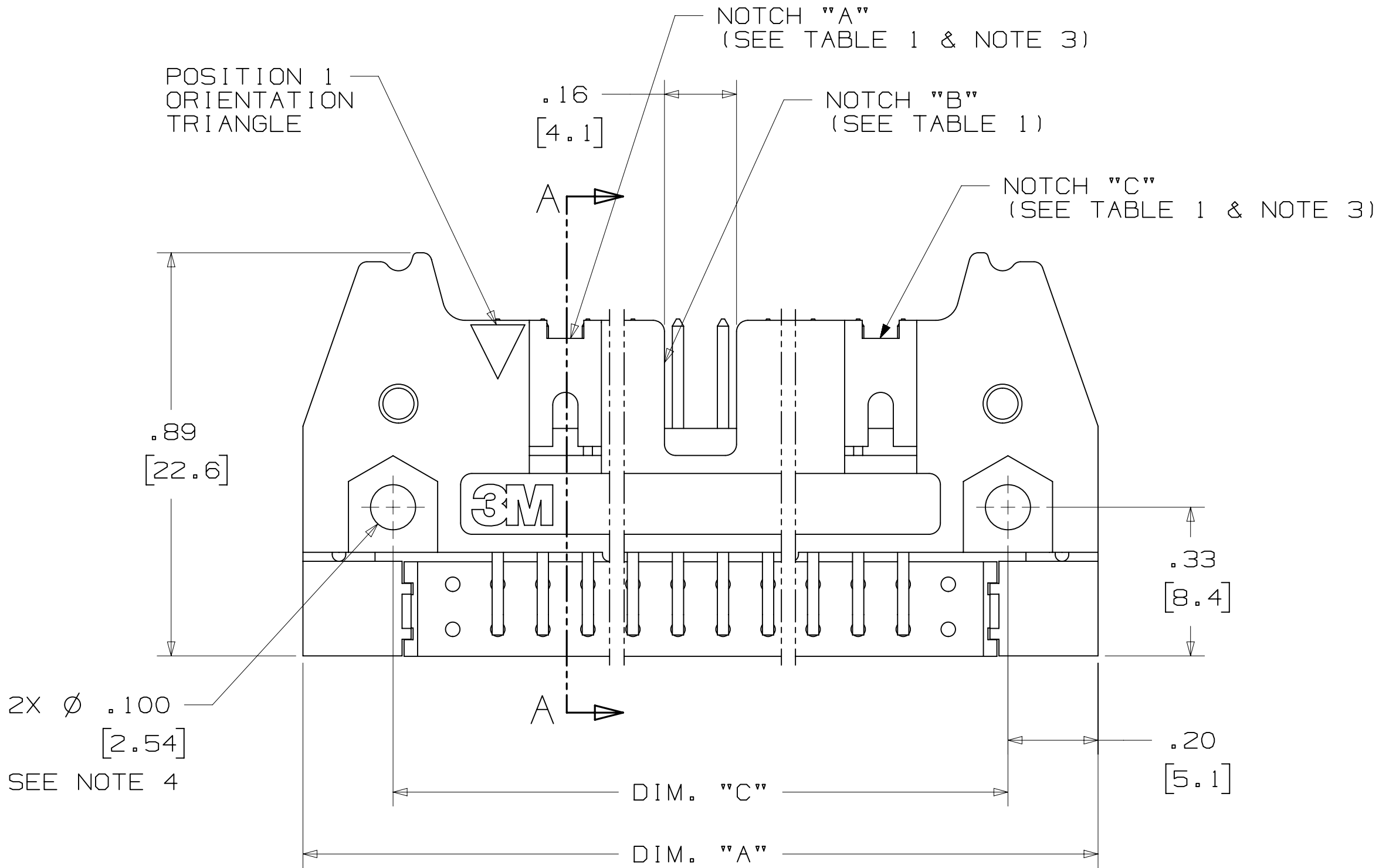
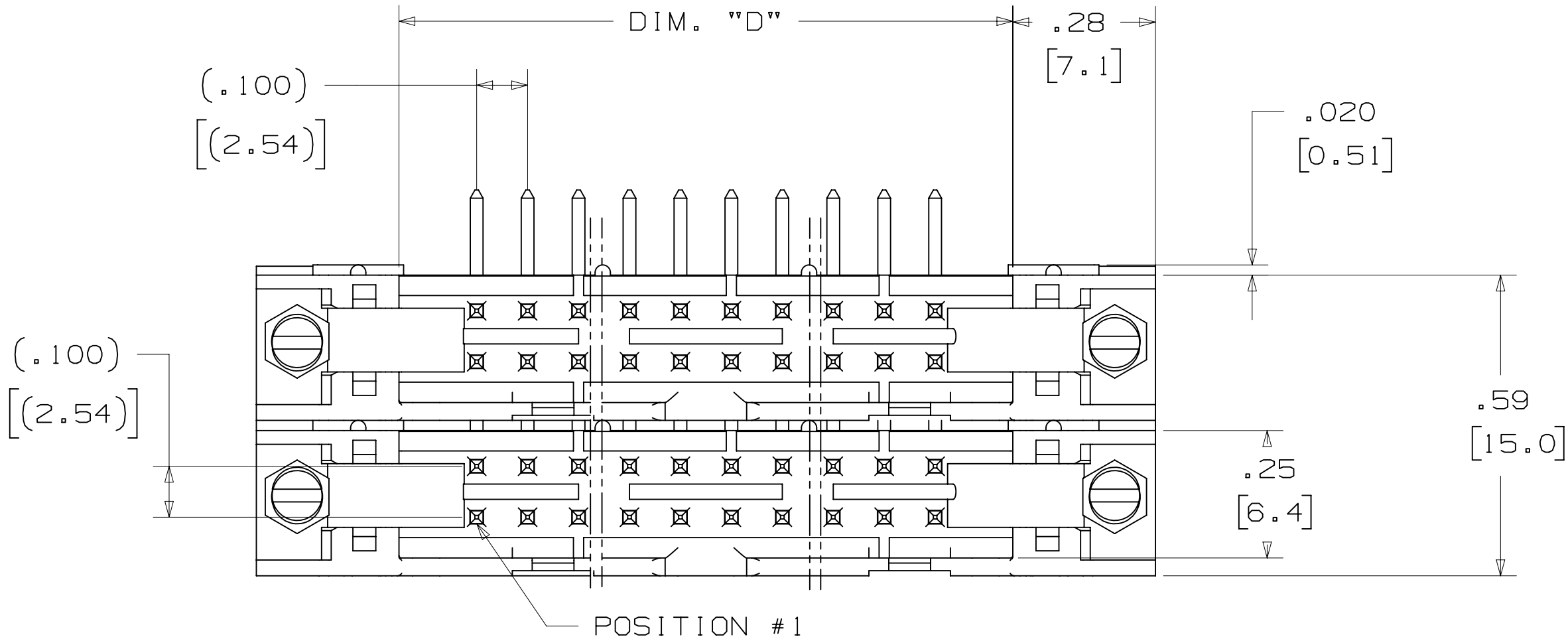


SECTION A - A

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

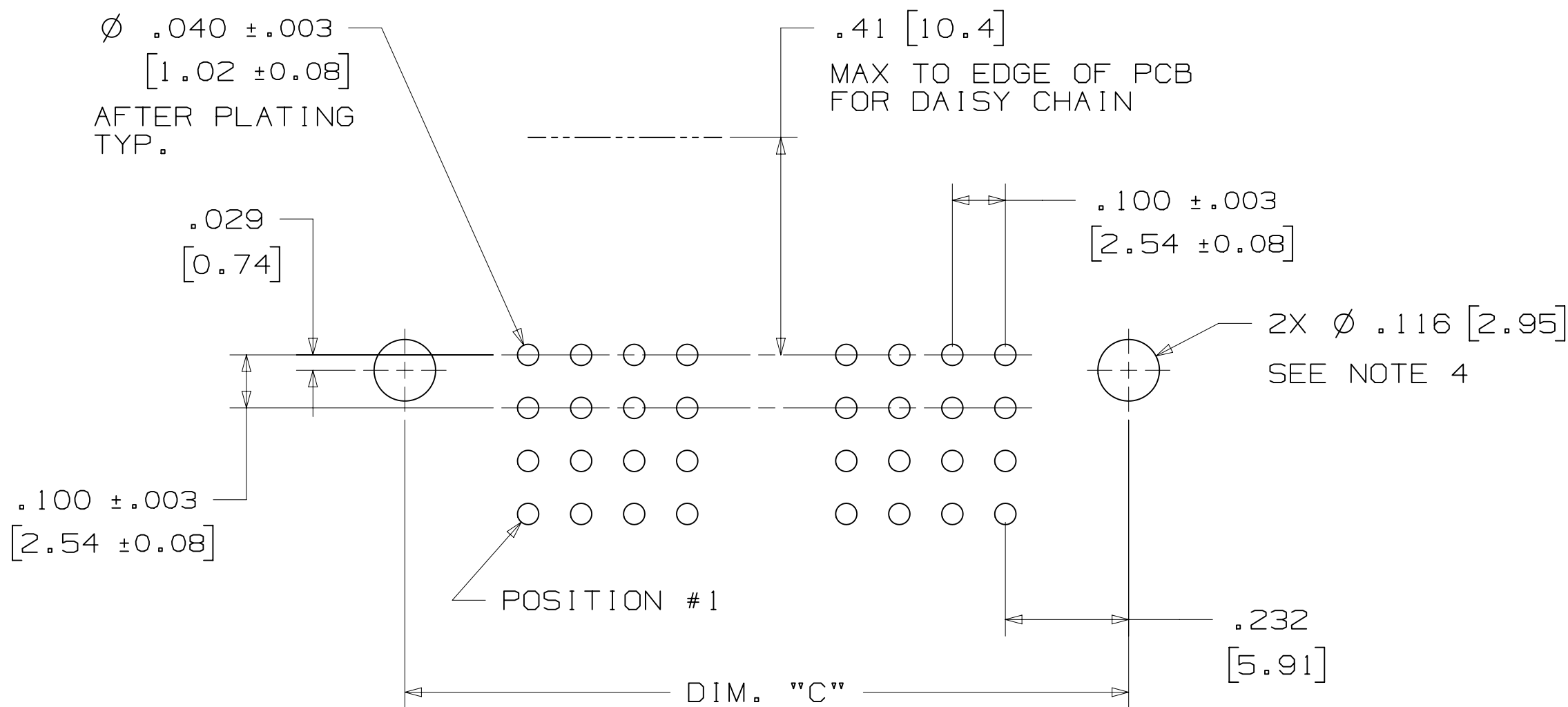
TABLE 2		
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"
-XX02	02	.112 [2.84]
-XX03	03	.155 [3.94]

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



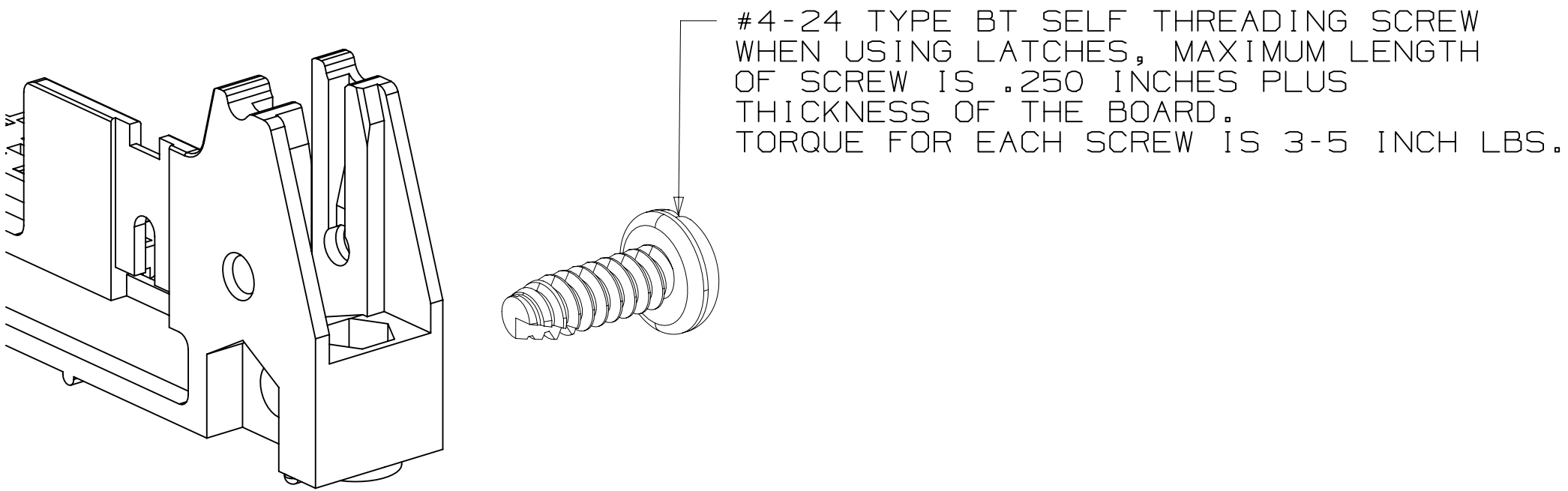
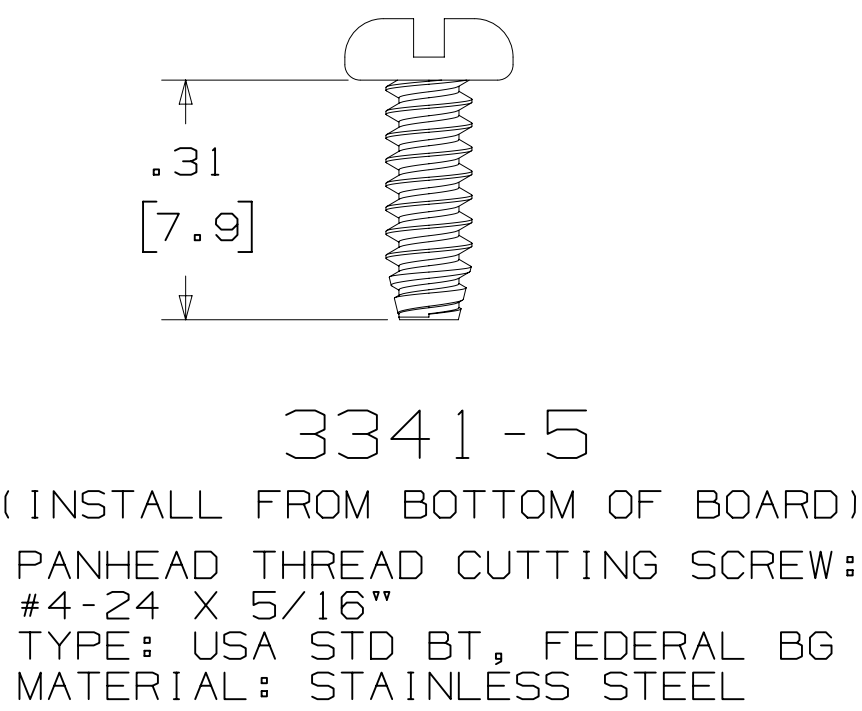
DESIGN REFERENCE		NEXT ASSEMBLY		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DR	C	DATE	MFG	DATE
CHKD	CASTIGLIONE	AUG 05, 2014	APPR	SEP 05, 2014
DIVISION		DIVISION CODE		
Interconnect Solutions		EMSD		
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		
MAX SURFACE ROUGHNESS		SURFACES		
MARKED ONLY		ANGLES		
TITLE				
HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA				
CAGE NUMBER				
DRAWING NO.				
REV.				
MODEL				
3000 SERIES				
DET				
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



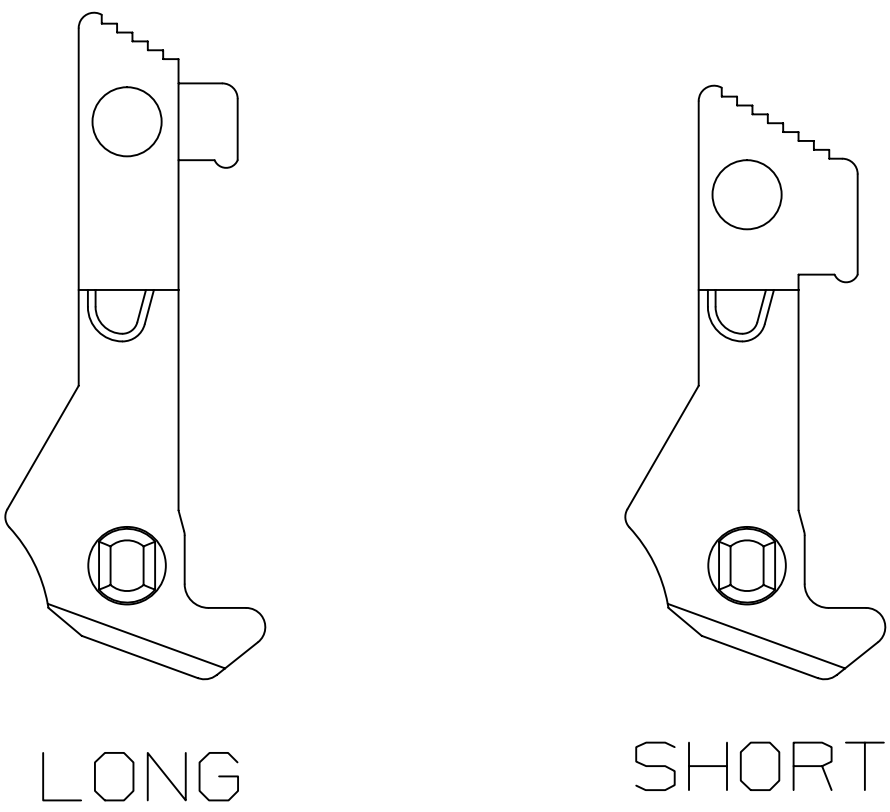
PART CUSTOMIZATION

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.

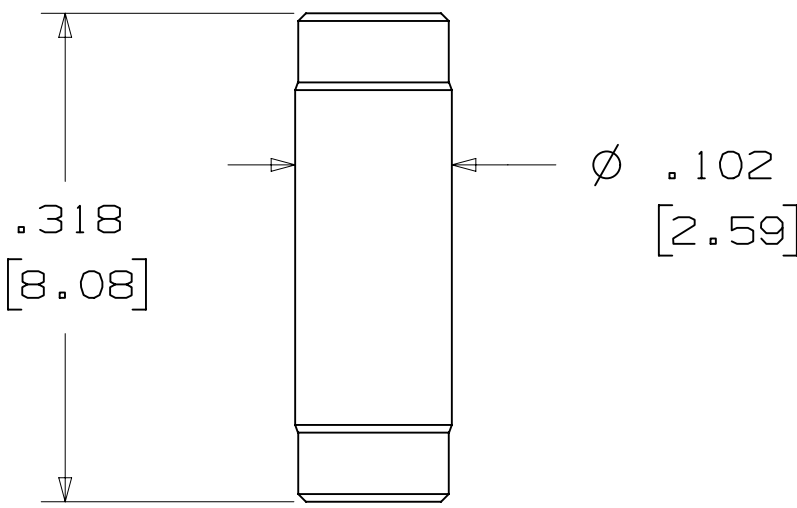
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



SNAP-IN LATCHES

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

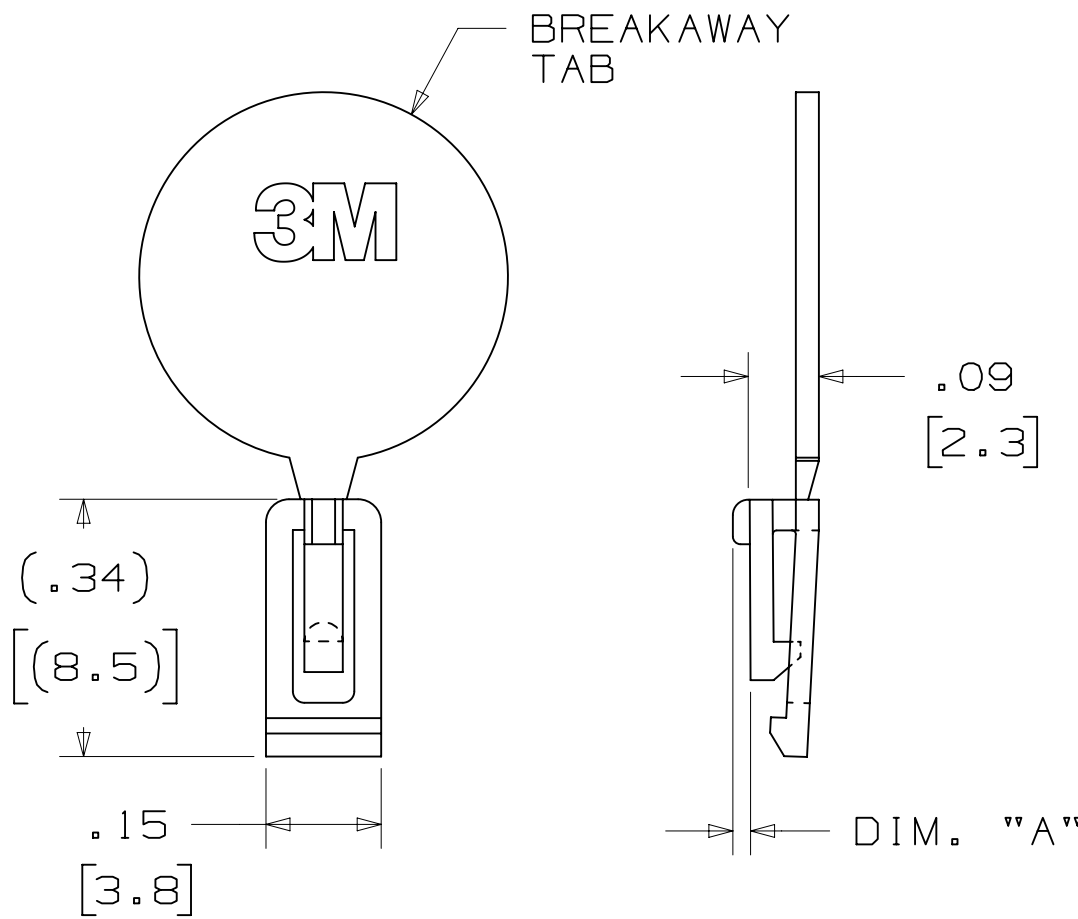
POLARIZING POST



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.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT CASTIGLIONE		DATE AUG 05, 2014		MFG	DATE
				CHKD		DATE		APPR R. SCHERER	DATE SEP 05, 2014
DIVISION		DIVISION CODE		3M Center		© 3M COPYRIGHT 2015			
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED					
		INCHES .00 ± .01 .000 ± .005 .0000 ±		MILLIMETERS 0 ± .3 .00 ± .13 .000 ±		TITLE			
THIRD ANGLE PROJECTION						HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA			
INTERPRET PER ASME Y14.5 - 2009						CAGE NUMBER		DRAWING NO.	REV.
MAX SURFACE ROUGHNESS 1.0 SURFACES						B 78-5100-0773-1		K	
✓ UNMARKED ONLY						MODEL 3000 SERIES		DET. LISTS	YES X NO
								SHT 3	OF 3