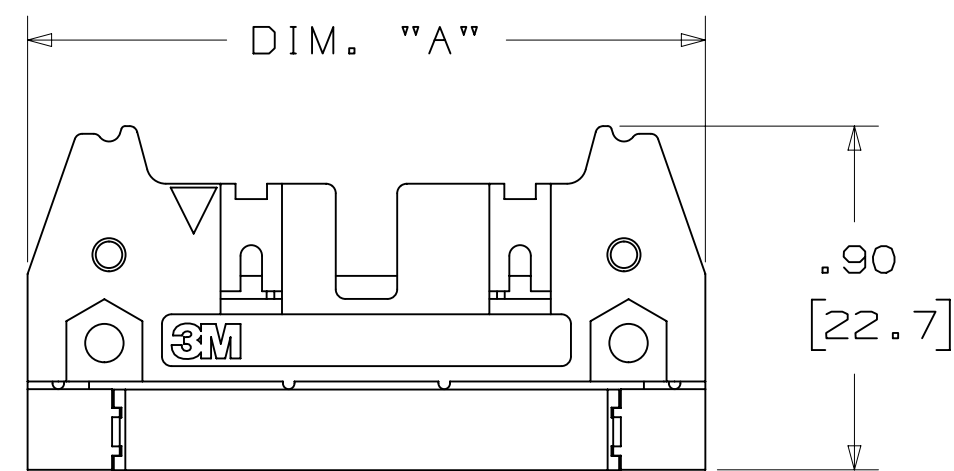
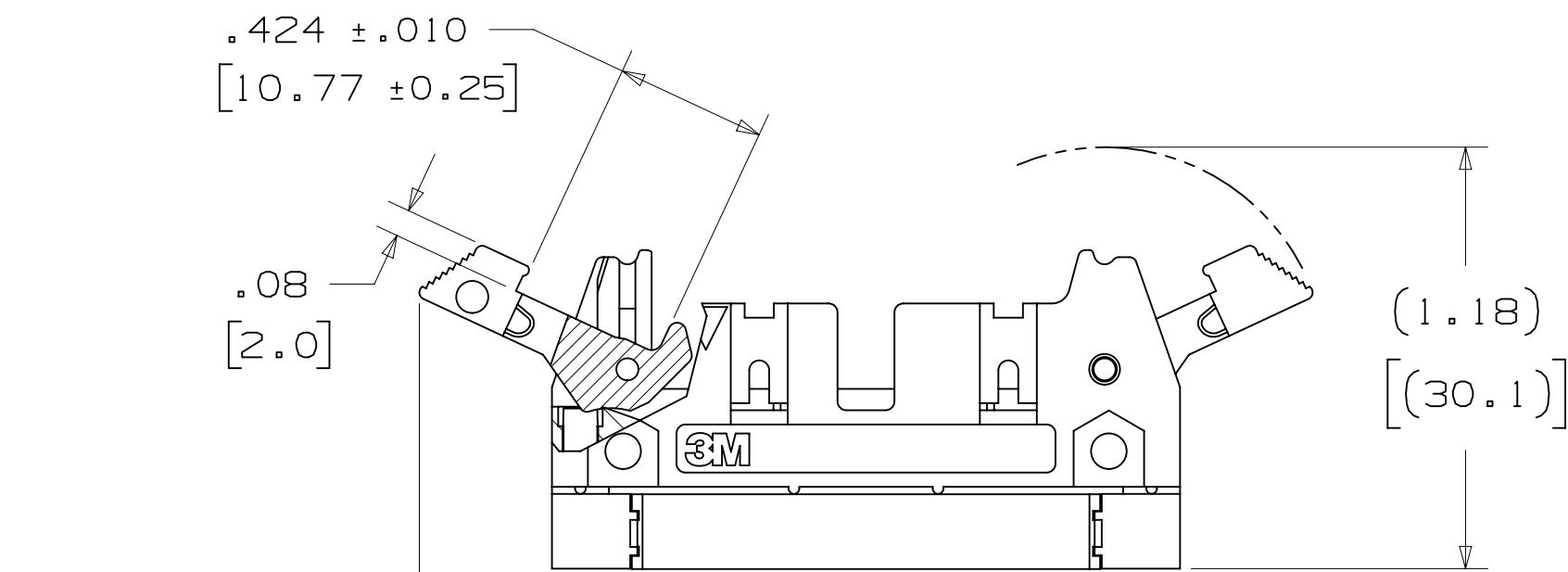


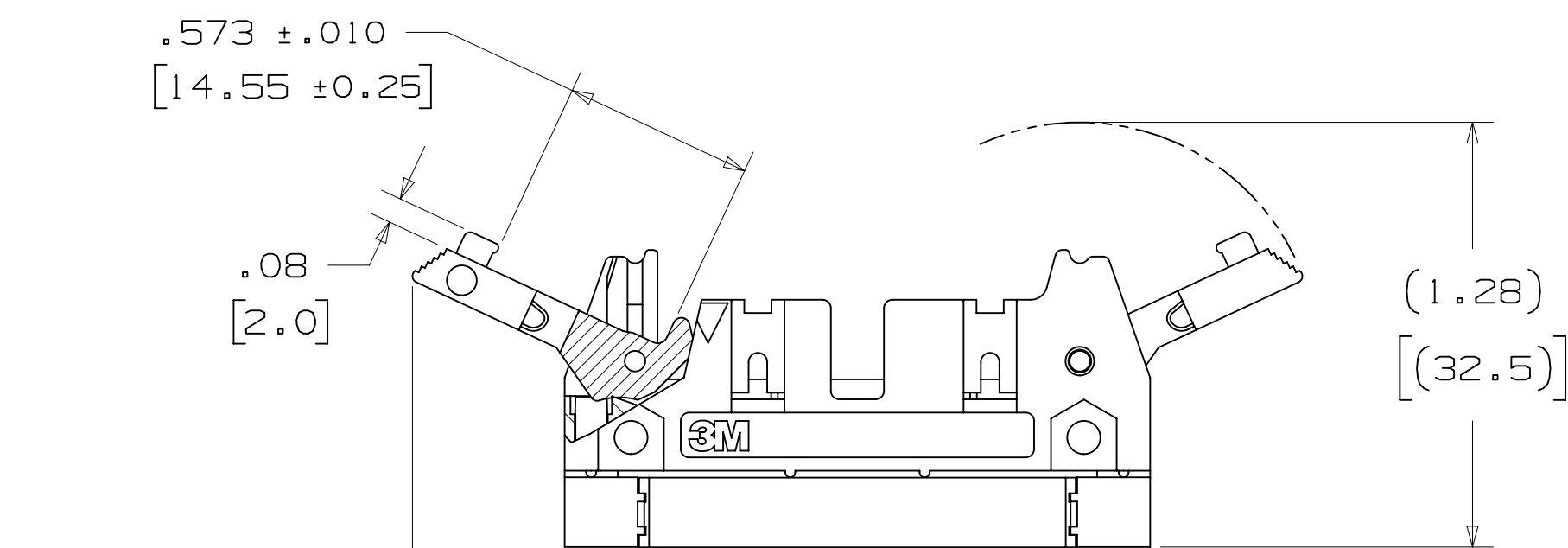
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-DOOX
HEADER WITHOUT LATCH EJECTOR



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



(.46) [(11.7)]  -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.

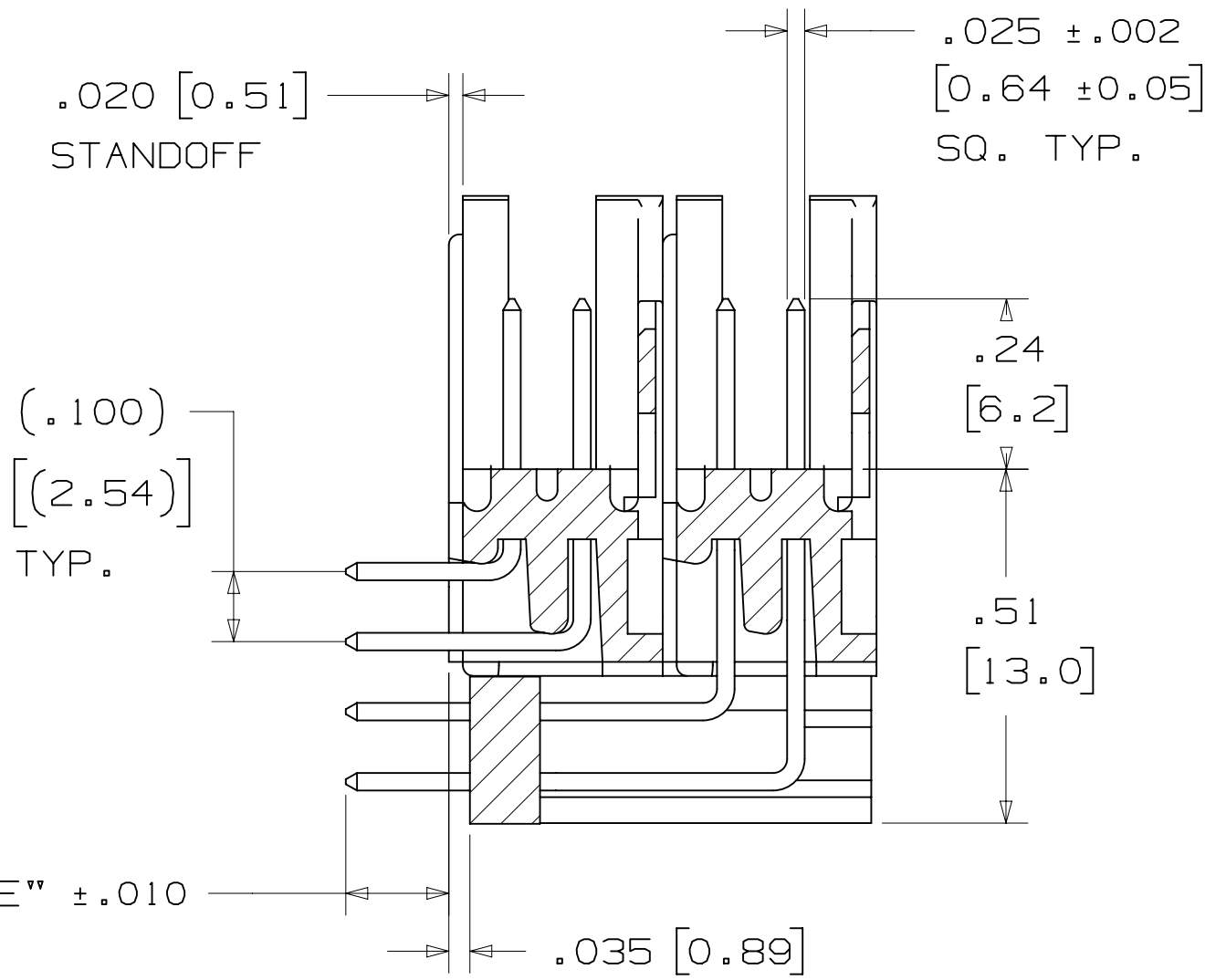
3 NOTCHES A & C WILL ACCOMODATE
3M POLARIZING KEY: N3518.

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.

K		60056E		MAR 06 2015		JNC	RS
J		56068		AUG 05,2014		JNC	RS
				REVISED AND REDRAWN			
REV	ECO	ISSUE DATE AND DESCRIPTION				DRFT	CHKD
DRFT	CAGTIGLIONE	DATE	AUG 05,2014		DATE		
CHKD		DATE			APPROV.	R. SCHERER	DATE SEP 05,2014
DESIGN REFERENCE		NEXT ASSEMBLY					
ADDRESS CODES							
DIVISION Interconnect Solutions		DIVISION CODE EMSD		© 3M COPYRIGHT 2015			
DO NOT SCALE DRAWING		SCALE 2 1		3M Center St. Paul, MN 55144			
TOLERANCES EXCEPT AS NOTED		This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission only, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
INCHES ± .0 .00 ± .01 .000 ± .005 .0000 ±		TITLE HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA					
THIRD ANGLE PROJECTION		MILLIMETERS ± .0 .00 ± .3 .000 ± .13 .000 ±					
INTERPRET PER ASME Y14.5 - 2009		CAGE NUMBER D78-5100-0773-1					
MAX SURFACE ROUGHNESS UNFINISHED SURFACES ✓ ☐ MARKED ONLY		SIZE DRAWING NO.				REV.	K
		MODEL 3000 SERIES		DET. LISTS ☐ YES ☒ 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

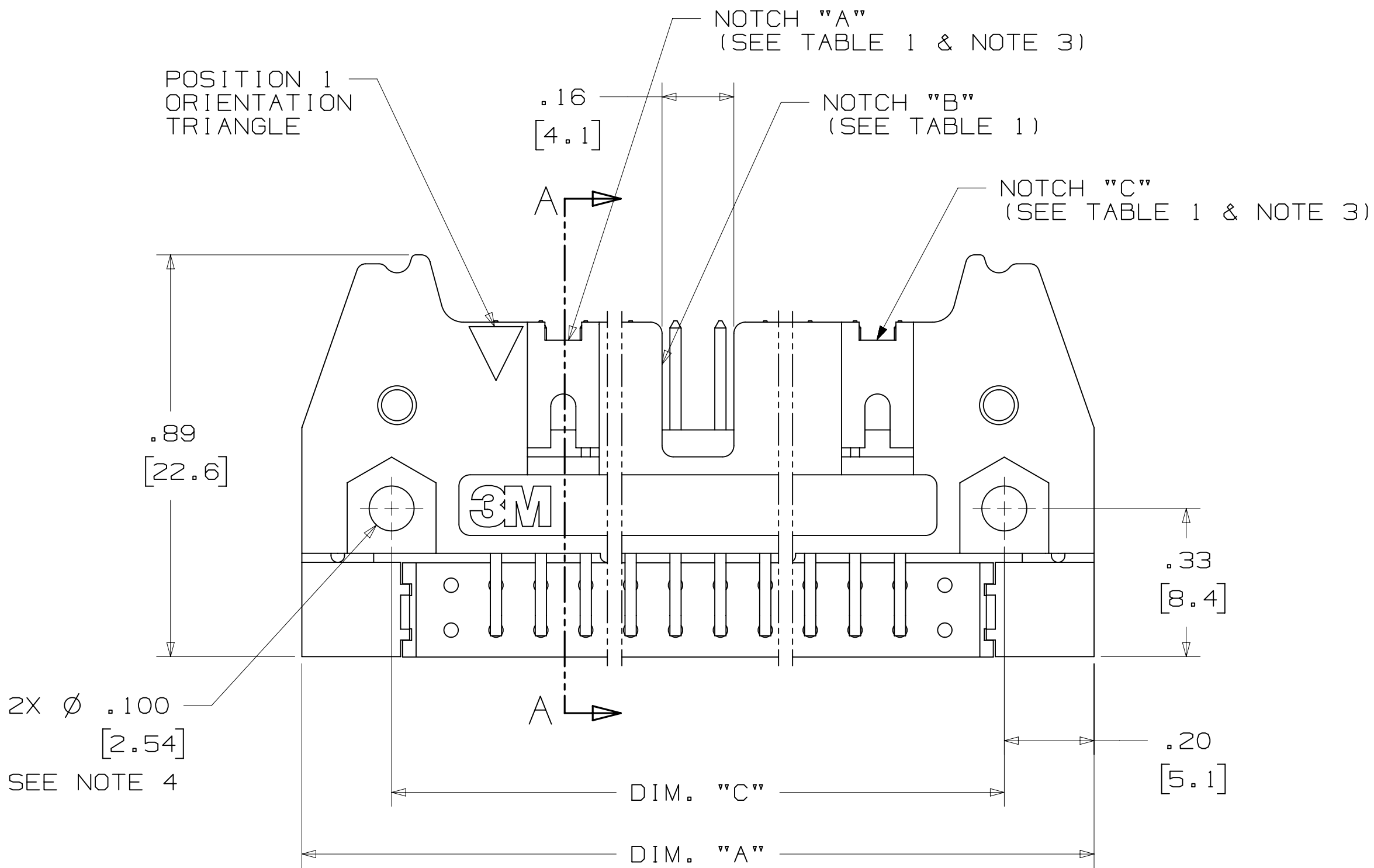
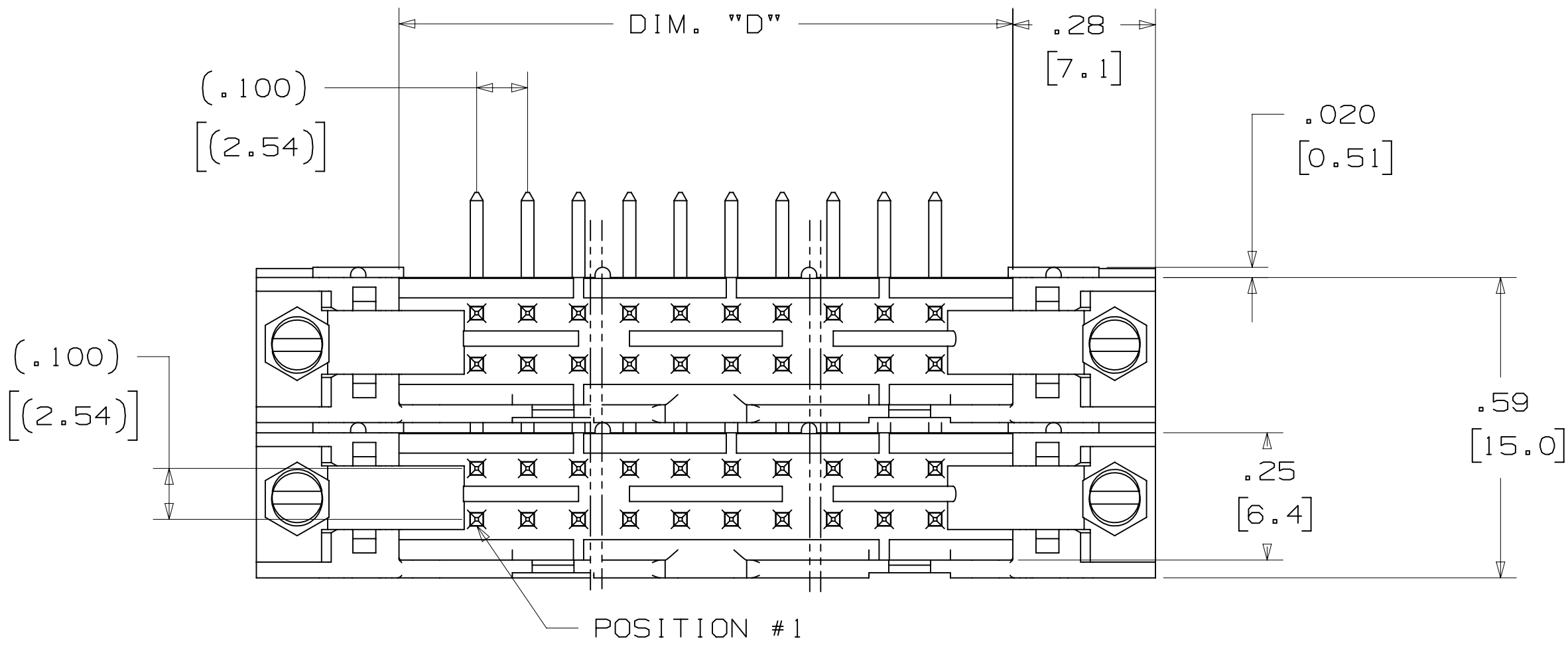


SECTION A - A

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
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 ± .0000		
		.0 ± .3		
		.00 ± .13		
		.000 ± .000		
		ANGLES		
		CAGE NUMBER		
		DRAWING NO.		
		REV.		
		MODEL		
		3000 SERIES		
		DET		
		LISTS		
		YES		
		NO		
		SHT 2 OF 3		

3M

3M Center
St. Paul,
MN 55144

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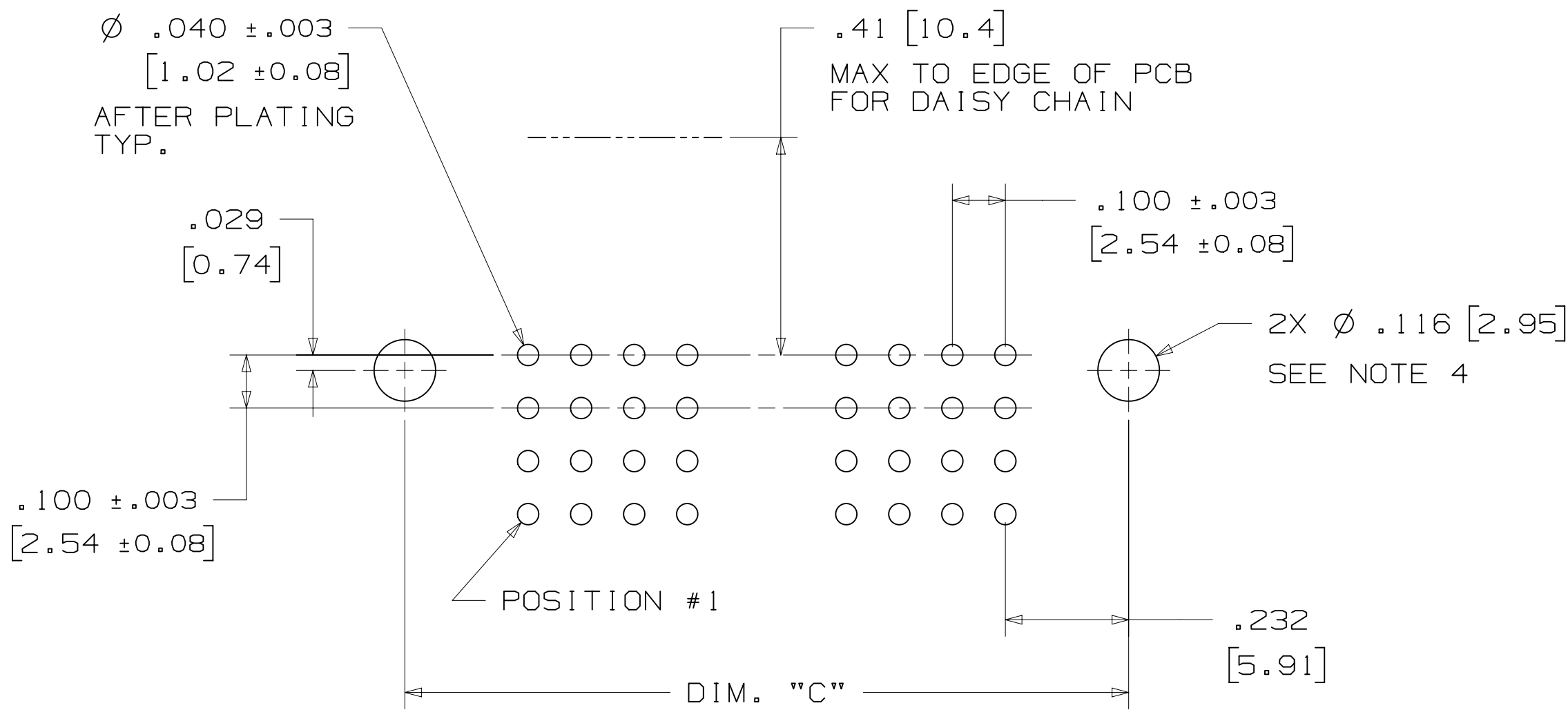
HEADER, 3-WALL,
CONDO, .100 X .100
LATCH/EJECTOR, RA

60056 MAR 06,2015 JNC RS
REVISE ORDERING NUMBER

56068 AUG 05,2014 JNC RS
REVISED AND REDRAWN

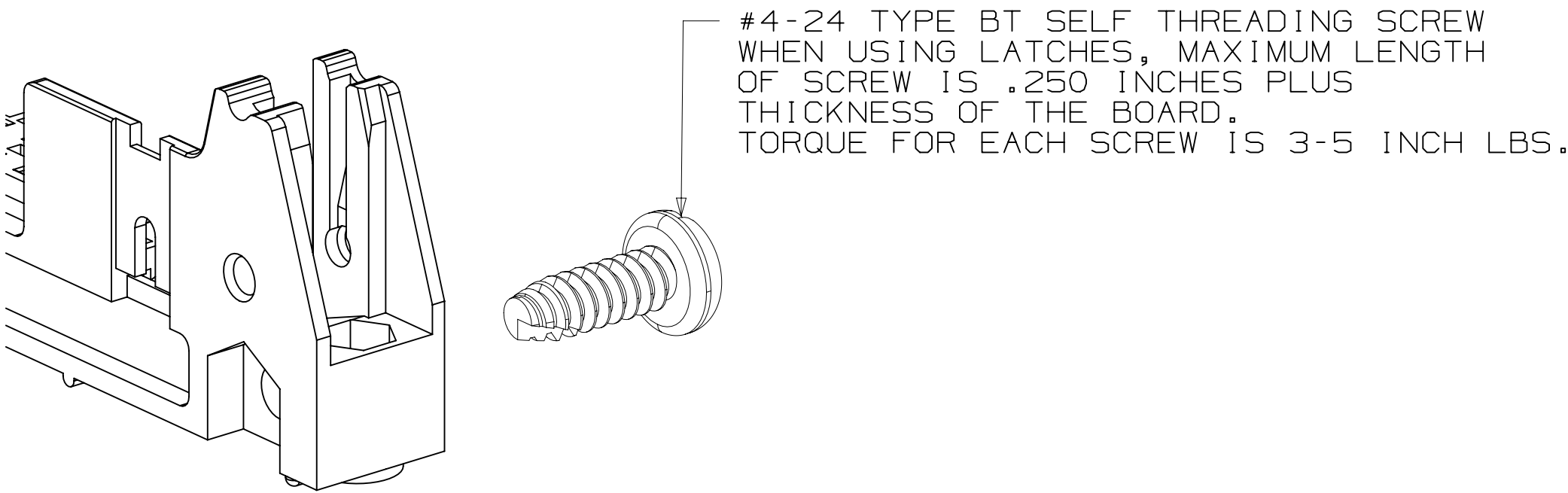
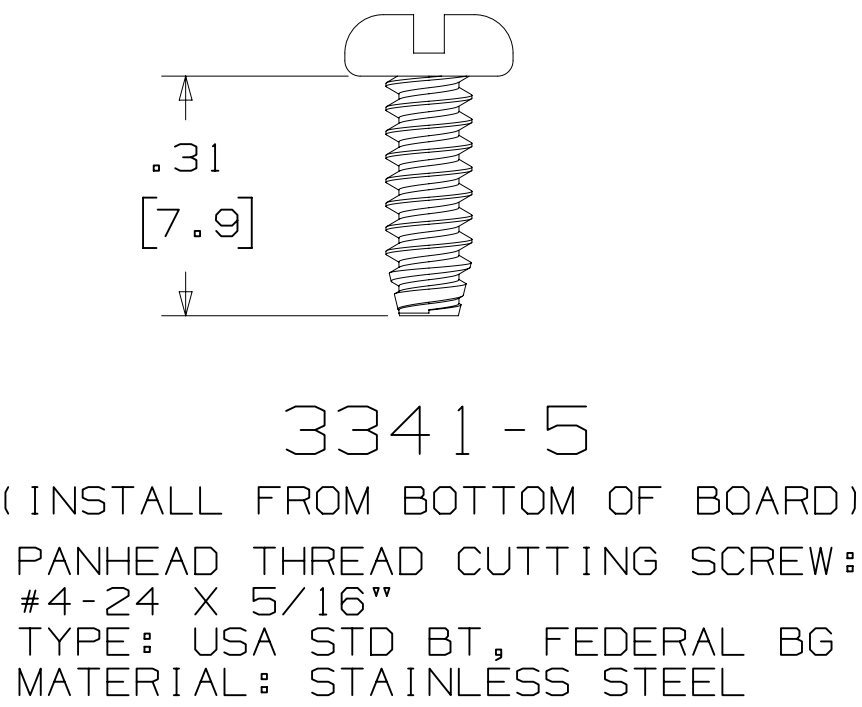
78-5100-0773-1 K

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



RECOMMENDED MOUNTING HOLE PATTERN

MOUNTING HARDWARE



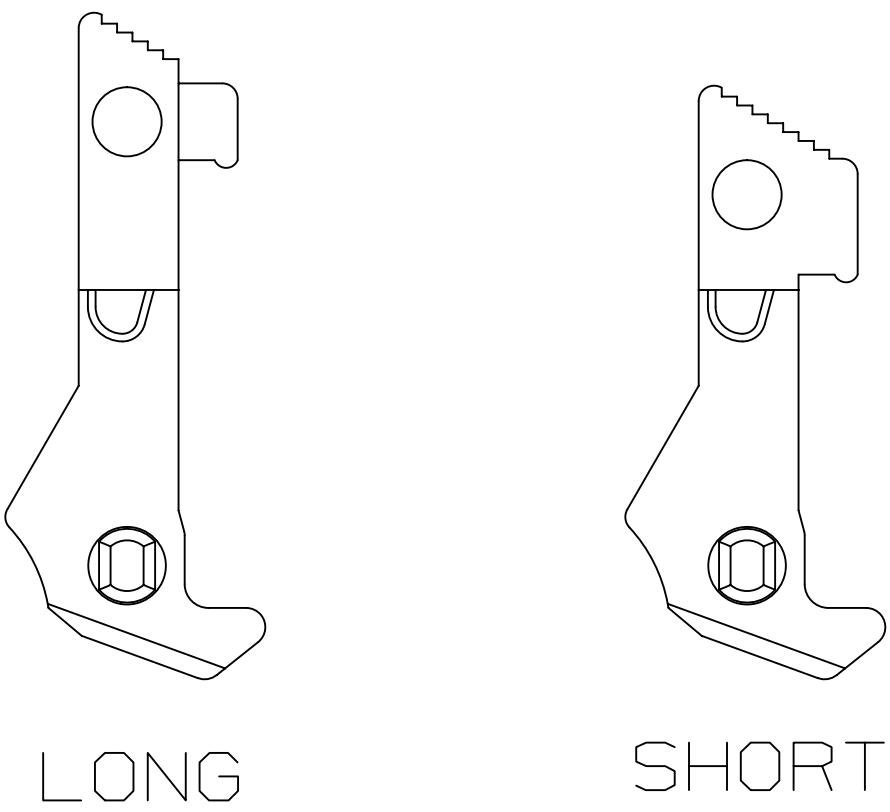
PART CUSTOMIZATION

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.

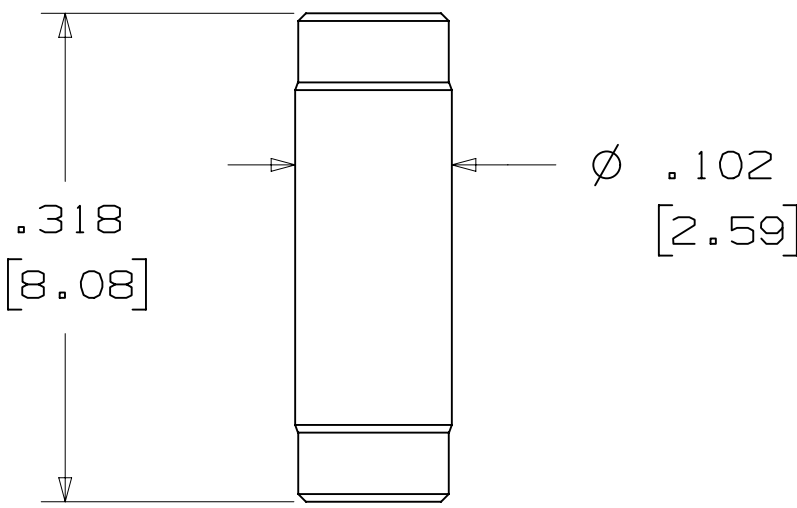
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



SNAP-IN LATCHES

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

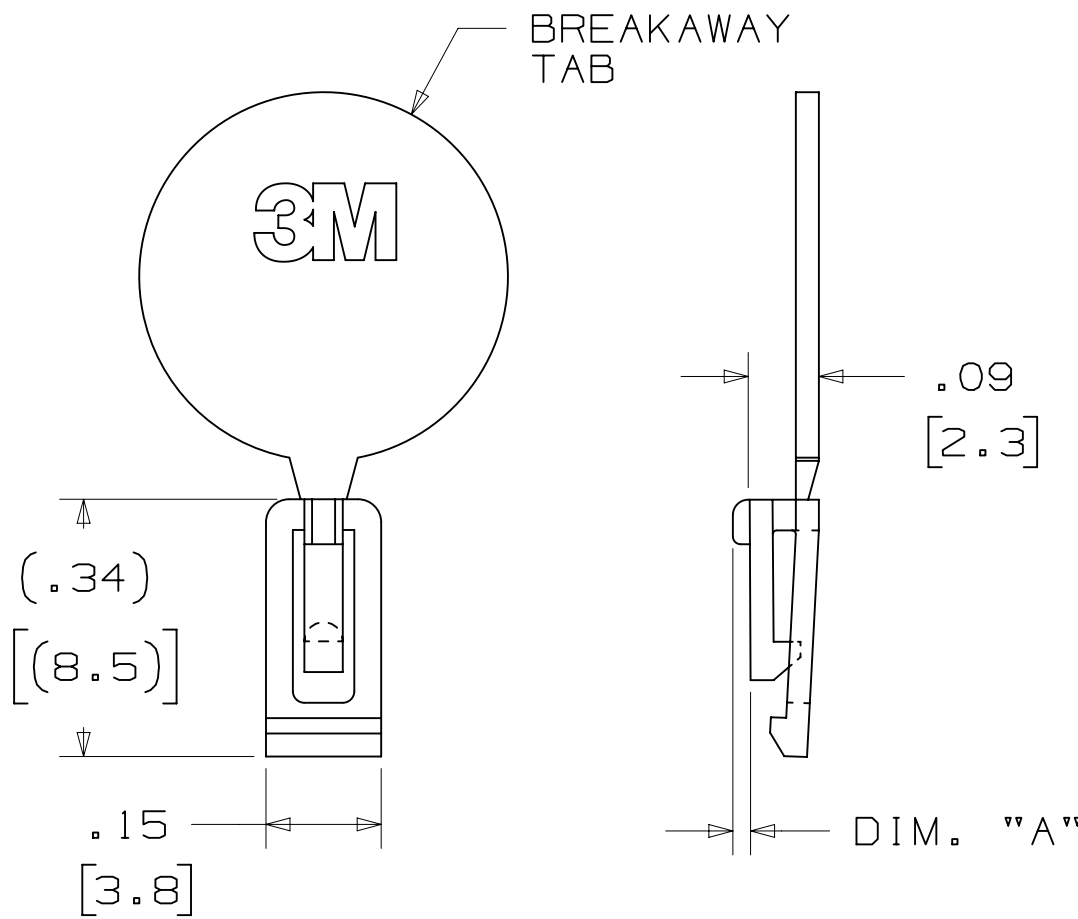
POLARIZING POST



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
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 $\pm$
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS	1.0 SURFACES	MARKED ONLY	ANGLES	
3M	3M Center St. Paul, MN 55144	© 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.	TITLE	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	LISTS	YES	NO	SHT 3 OF 3