

.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.
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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				BRW	CATTI	GLIONE	DATE	MFG	DATE
				CHKD			DATE	APPRV.	DATE
								R. 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 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED							
SCALE $\frac{2}{1}$				St. Paul, MN 55144					
		INCHES		HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA					
THIRD ANGLE PROJECTION		.0 .00 ± .01 .000 ± .005 .0000 ±							
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS							
		.0 .00 ± .3 .00 ± .13 .000 ±							
MAX SURFACE ROUGHNESS MAX SURFACES ☒ MARKED ONLY		ANGLES		CAGE NUMBER		SIZE		DRAWING NO.	
				D		78-5100-0773-1		REV. K	
				MODEL		3000 SERIES		DET. ☒ 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

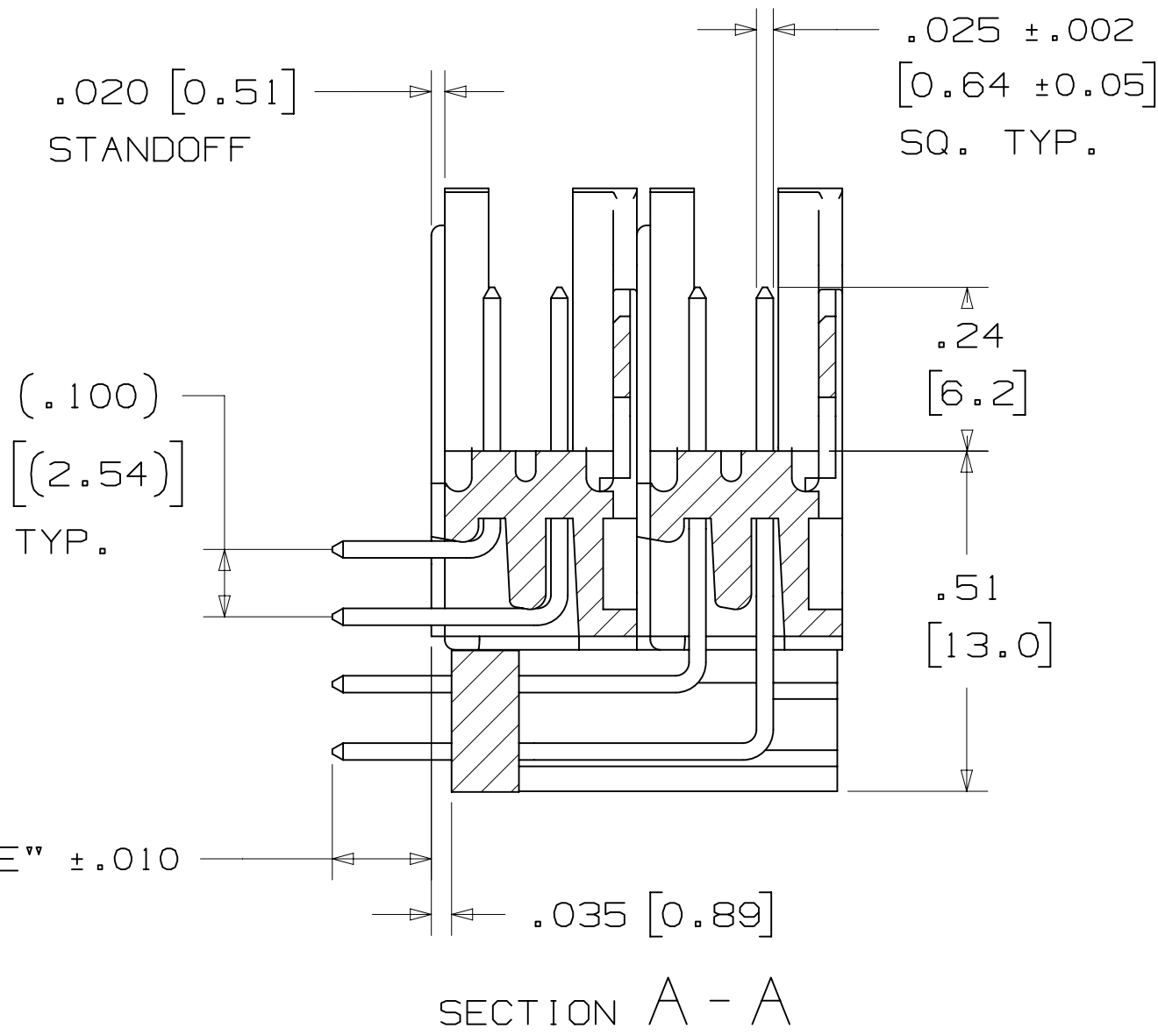
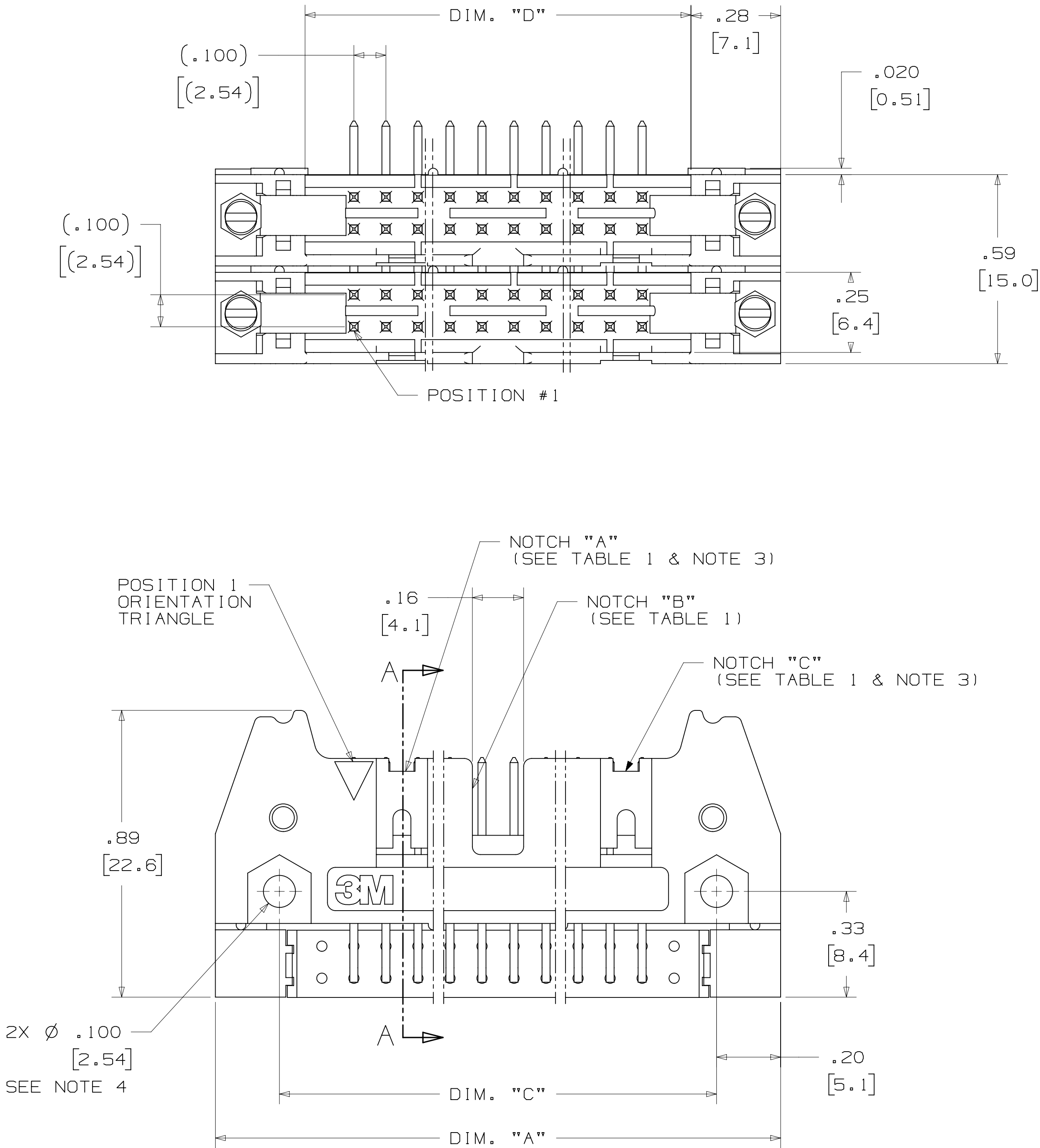


TABLE 1						
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
20	3793	1.26 [32.1]	.865 [21.97]	.71 [18.0]	BC	20
28	3314	1.46 [37.2]	1.065 [27.05]	.91 [23.1]	BC	28
32	3408	1.56 [39.7]	1.165 [29.59]	1.01 [25.6]	ABC	32
40	3428	1.76 [44.8]	1.365 [34.67]	1.21 [30.7]	ABC	40
48	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	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		.00 ± .01		
SURFACES		.000 ± .005		
MARKED ONLY		.0000 ±		
		.0 ± .3		
		.00 ± .13		
		.000 ±		
		ANGLES		
		CAGE NUMBER		
		D78-5100-0773-1		
		MODEL		
		3000 SERIES		
		REV.		
		K		
		SHT 2 OF 3		

3M

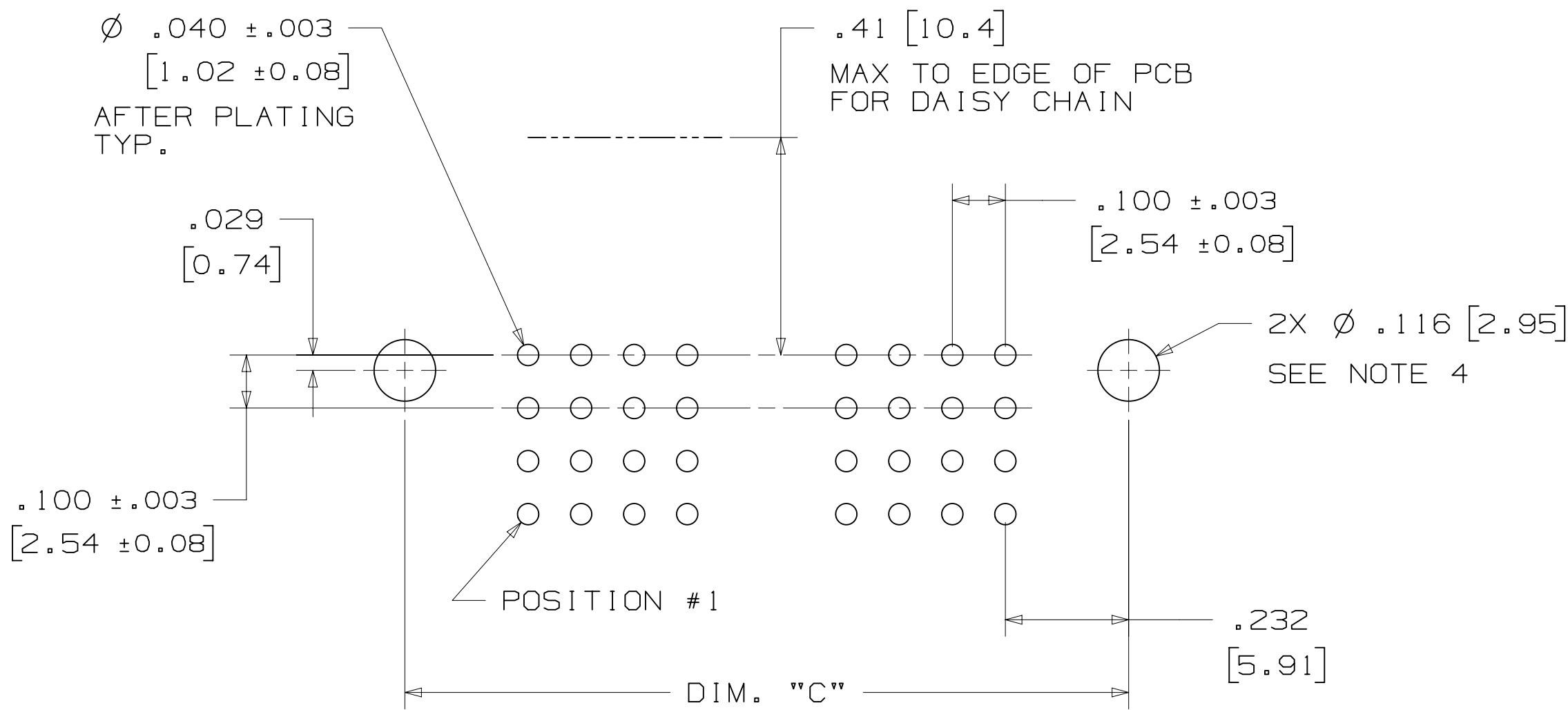
3M Center
St. Paul,
MN 55144

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

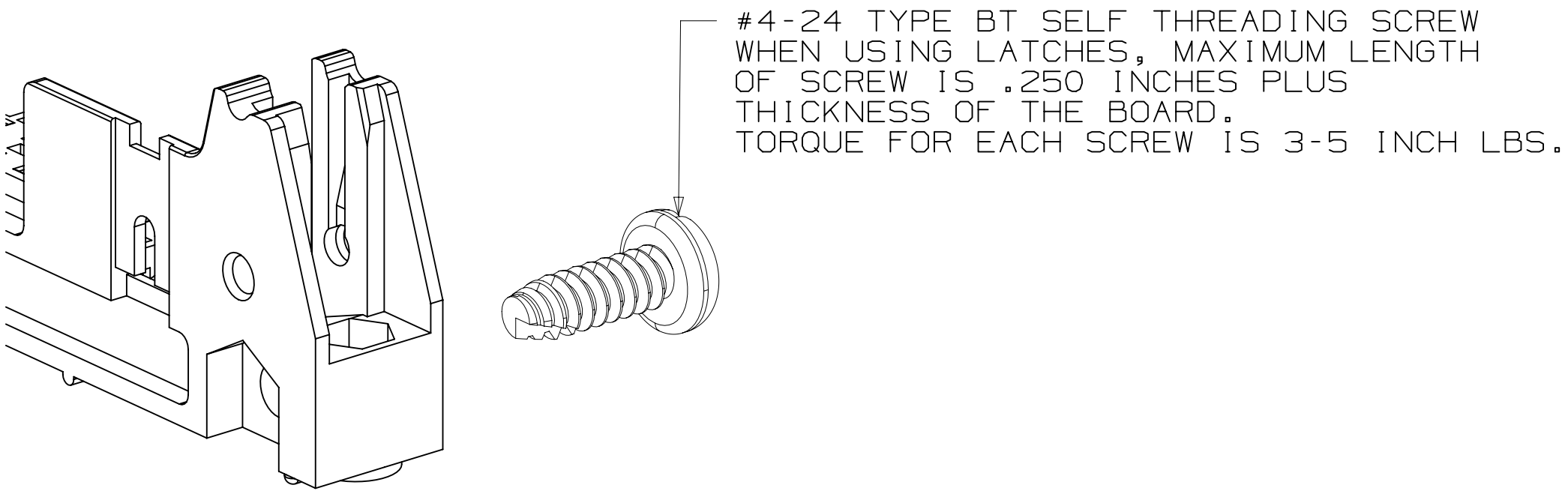
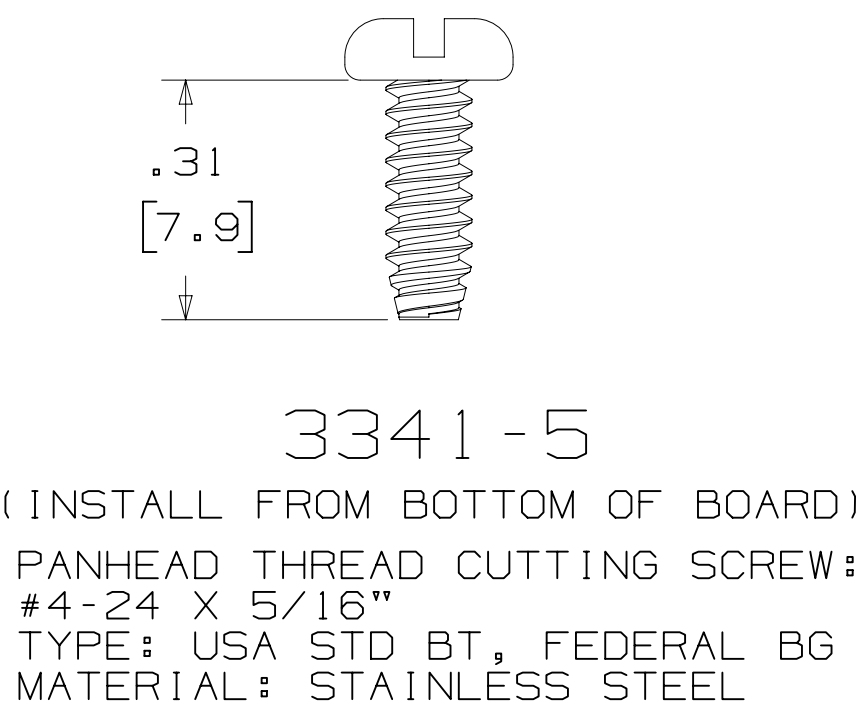
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
K	60056	MAR 06,2015 REVISE ORDERING NUMBER	JNC	RS
J	56068	AUG 05,2014 REVISED AND REDRAWN	JNC	RS

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



RECOMMENDED MOUNTING HOLE PATTERN

MOUNTING HARDWARE



#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.

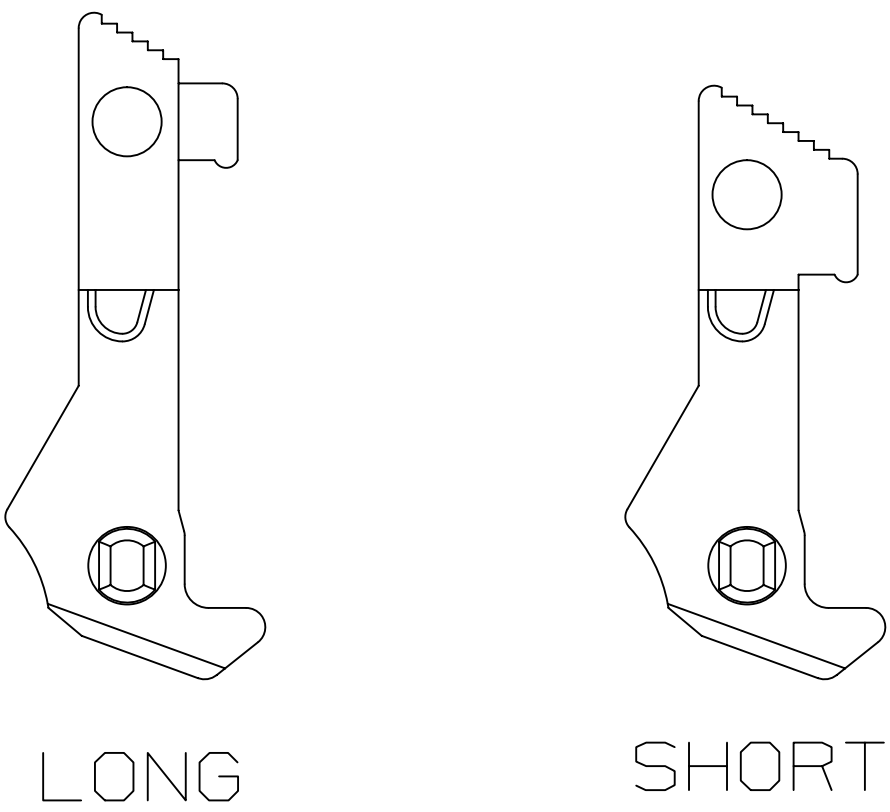
PART CUSTOMIZATION

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.

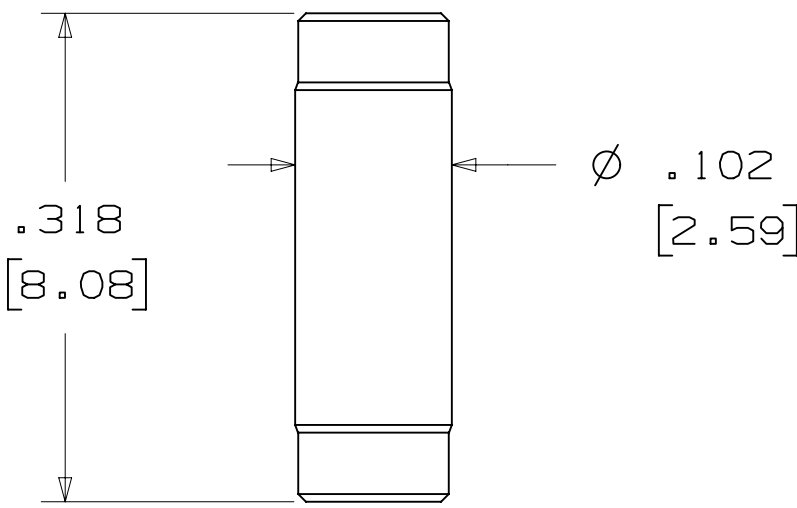
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



SNAP-IN LATCHES

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

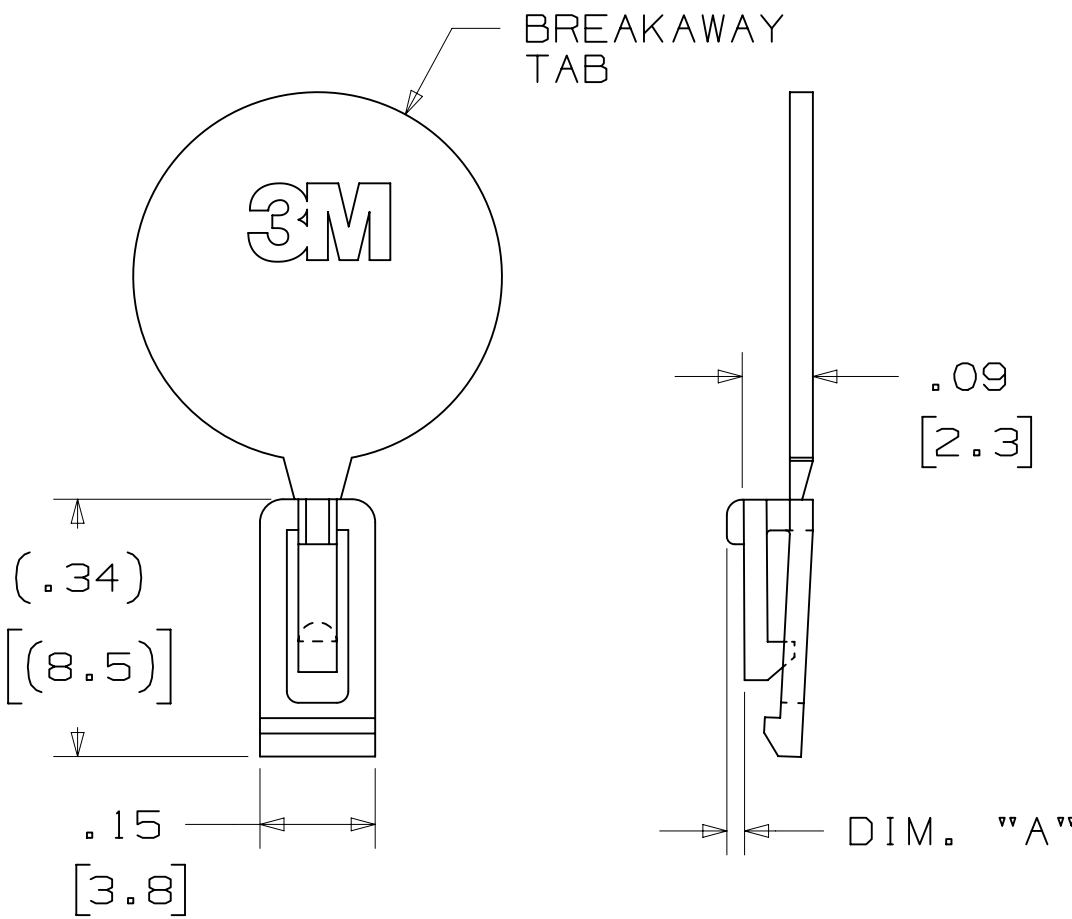
POLARIZING POST



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	MODEL 3000 SERIES	DET LISTS
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 D78-5100-0773-1
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD	REV	REV
J	56068	AUG 05, 2014	JNC	RS	SEP 05, 2014	K
K	60056	MAR 06, 2015	JNC	RS	REVISE ORDERING NUMBER	REV
SHT 3 OF 3						