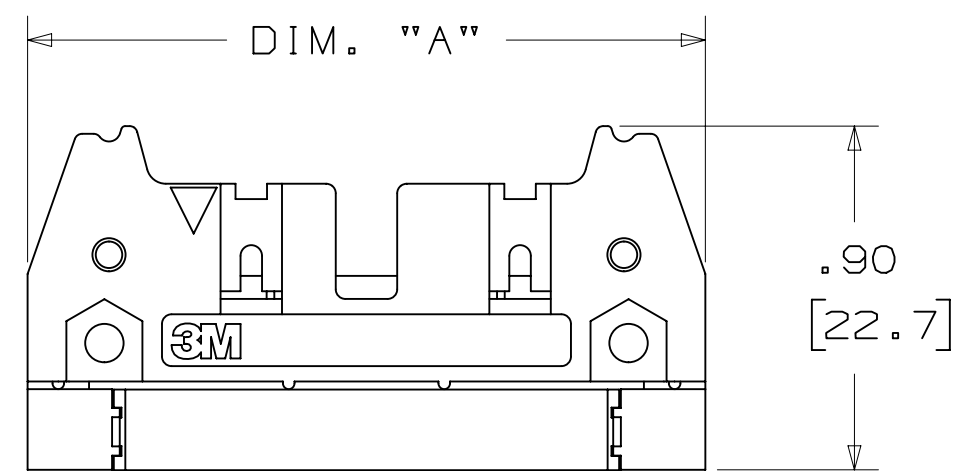
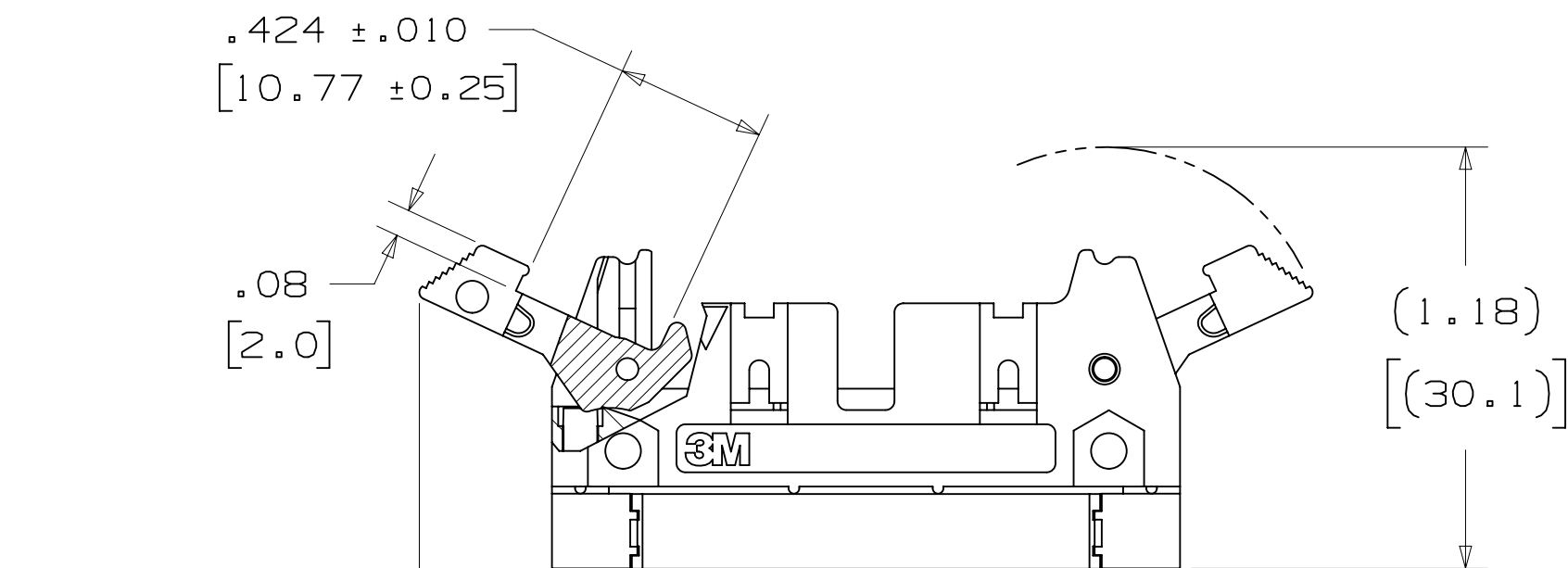


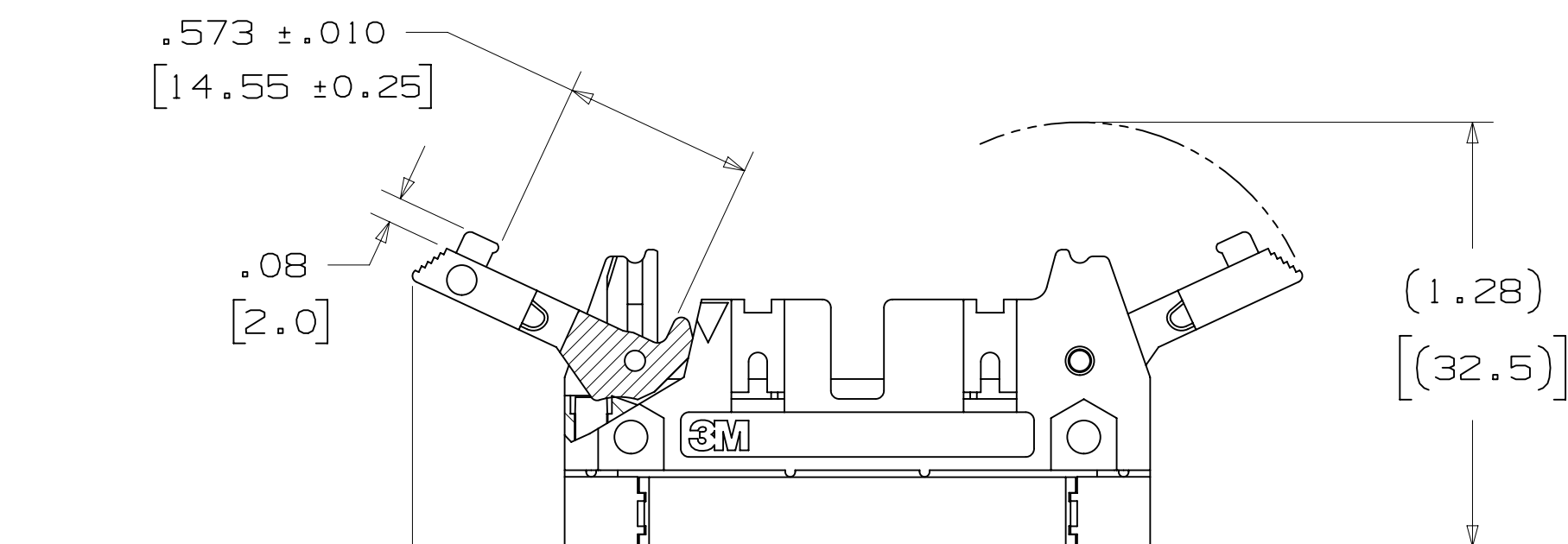
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-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)

3M IS A TRADEMARK OF 3M COMPANY.
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 HARNESES.
- * 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)

X3XXX-DXXXXX

3M PART NUMBER:
(SEE TABLE 1)

```
- TAIL:
02 = FOR .062 [ 1.57 ] THICK BOARD
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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)

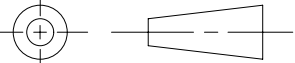
NOTES

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.

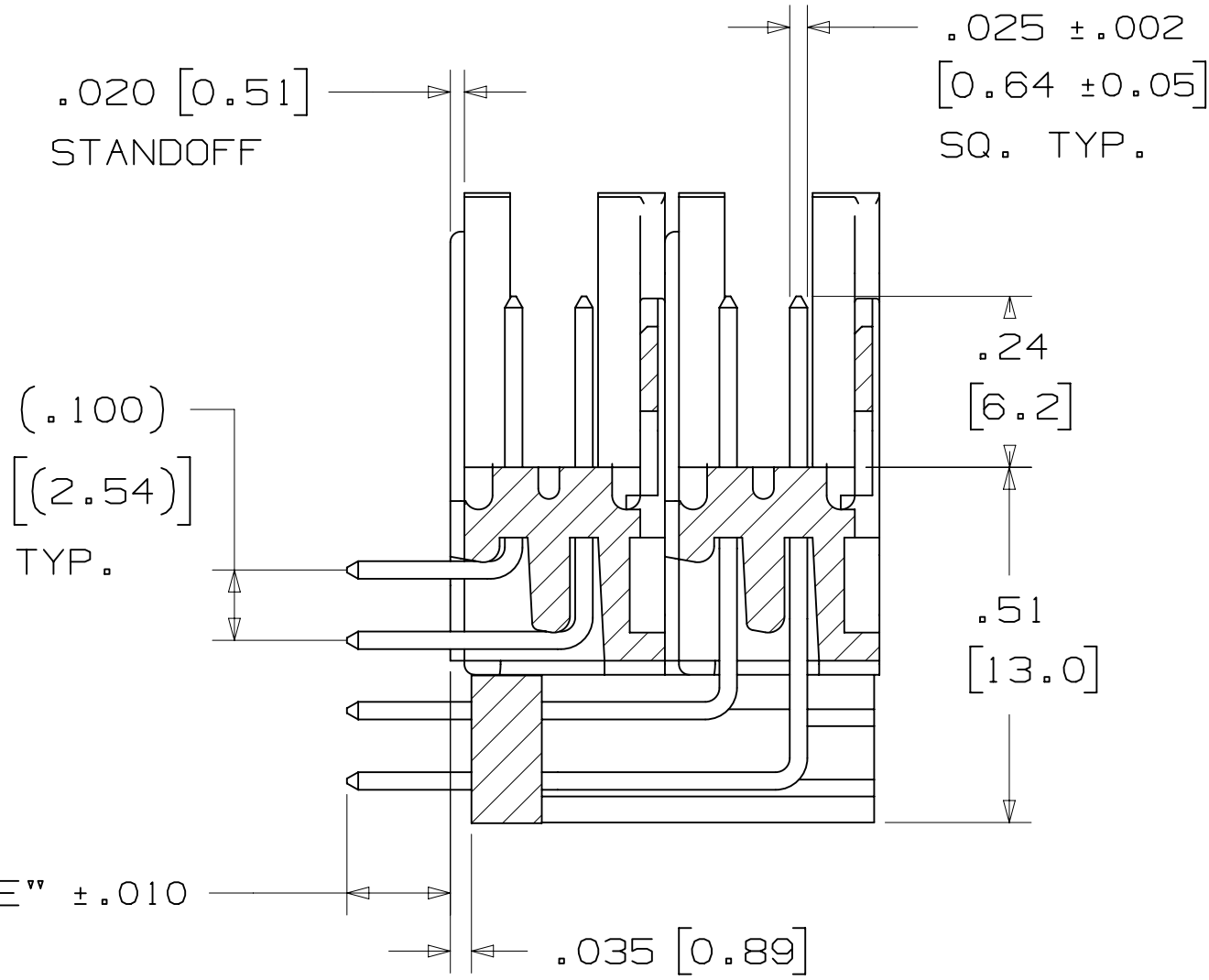
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ACROSS CODES				DRFT	CAST1GL1ONE	DATE	AUG 05, 2014	MFG	DATE
				CHKD		DATE		APPRV	R. SCHERER
								DATE	SEP 05, 2014
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015					
Interconnect Solutions		EMSD		 3M Center St. Paul, MN 55144 This document and the 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.					
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED INCHES .00 ± .01 .000 ± .005 .0000 ±		TITLE HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA					
 THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .00 ± .13 .000 ±		CAGE NUMBER D 78-5100-0773-1					
INTERPRET PER ASME Y14.5 - 2009		ANGLE		SIZE DRAWING NO.		REV.			
MAX SURFACE ROUGHNESS ☒ MAX SURFACES ☐ MARKED ONLY				MODEL 3000 SERIES		DET. LISTS YES ☒ NO ☐		SHT 1 OF 3	

UL[®]
US
UL FILE NO: E68080

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

Imaged: K.1 3/6/2015 12:56 PM UTC-06:00

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

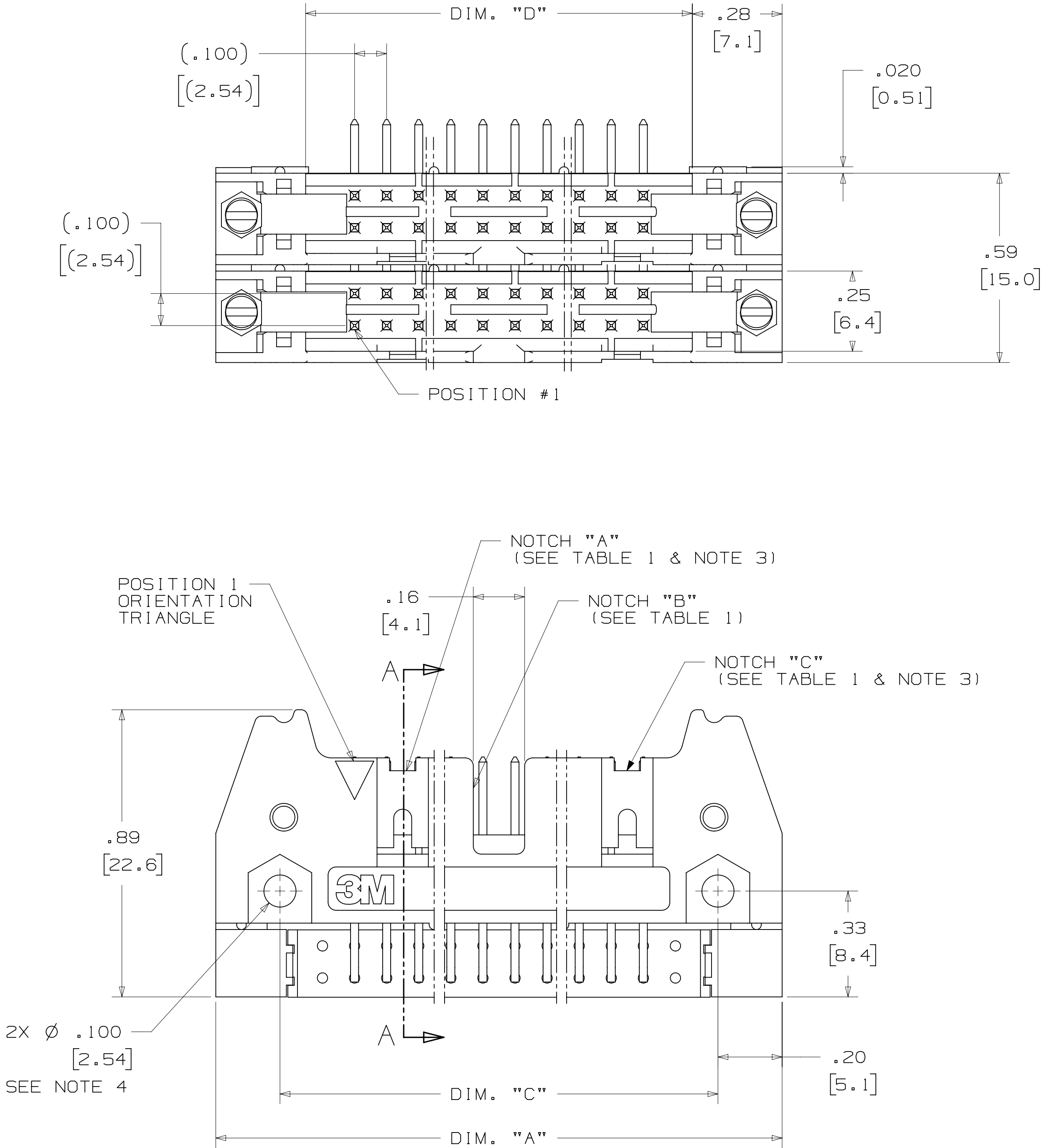


SECTION A - A

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

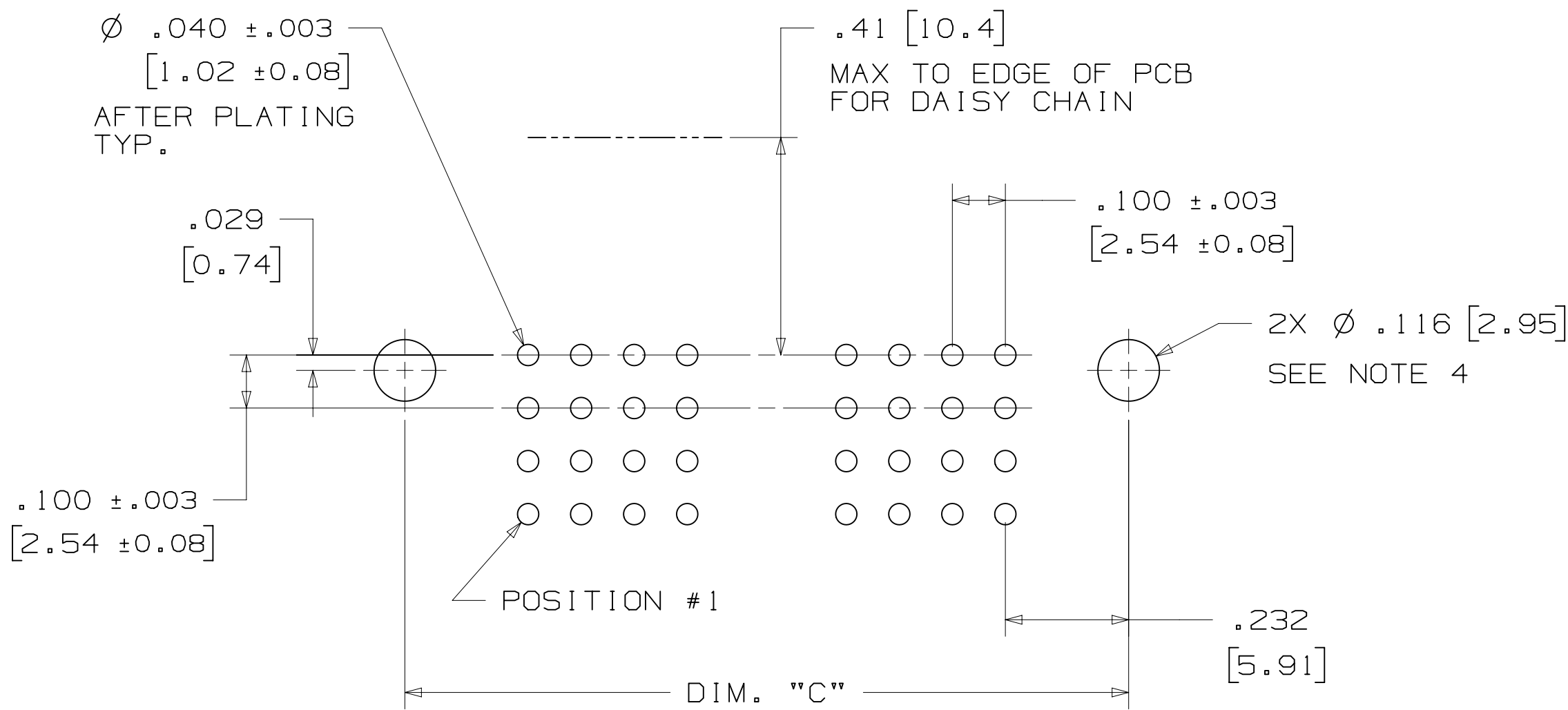
TABLE 2		
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"
-XX02	02	.112 [2.84]
-XX03	03	.155 [3.94]

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



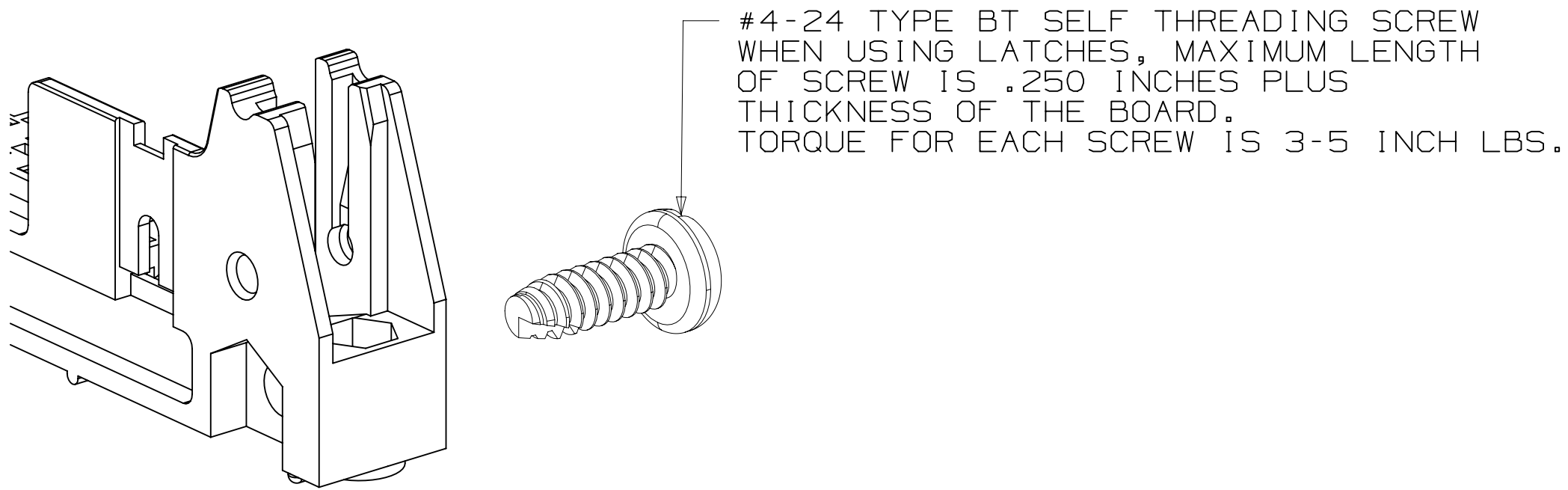
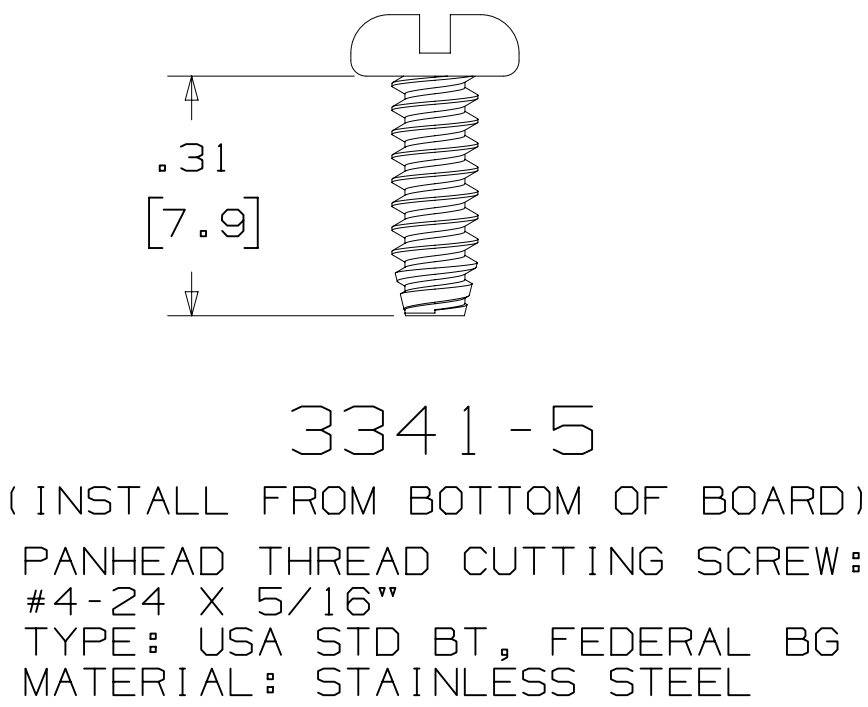
DESIGN REFERENCE		NEXT ASSEMBLY		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DR	CASTIGLIONE	DATE	DATE	DATE
CHKD		AUG 05, 2014	MFG	SEP 05, 2014
DIVISION		DIVISION CODE		
Interconnect Solutions		EMSD		
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED		
	4/1			
THIRD ANGLE PROJECTION		INCHES		
		.00 ± .01		
		.000 ± .005		
		.0000 ±		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		
		0 ±		
MAX SURFACE ROUGHNESS		.0 ± .3		
12X SURFACES		.00 ± .13		
MARKED ONLY		.000 ±		
MODEL		3000 SERIES		
CAGE NUMBER		DRAWING NO.		
D		78-5100-0773-1		
REV.		K		
DET		LISTS		
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



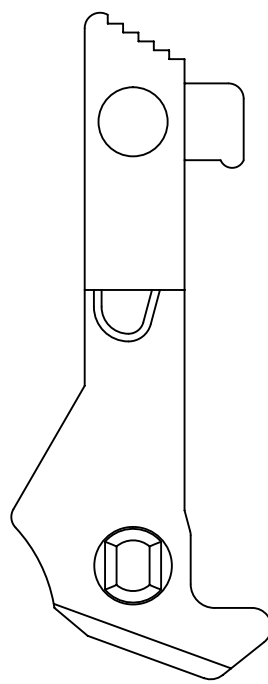
PART CUSTOMIZATION

THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

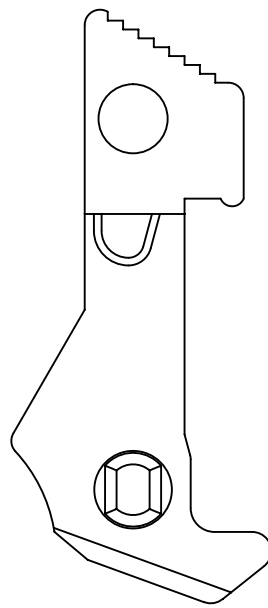
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

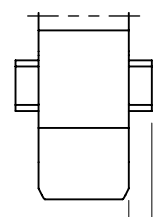
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



LONG



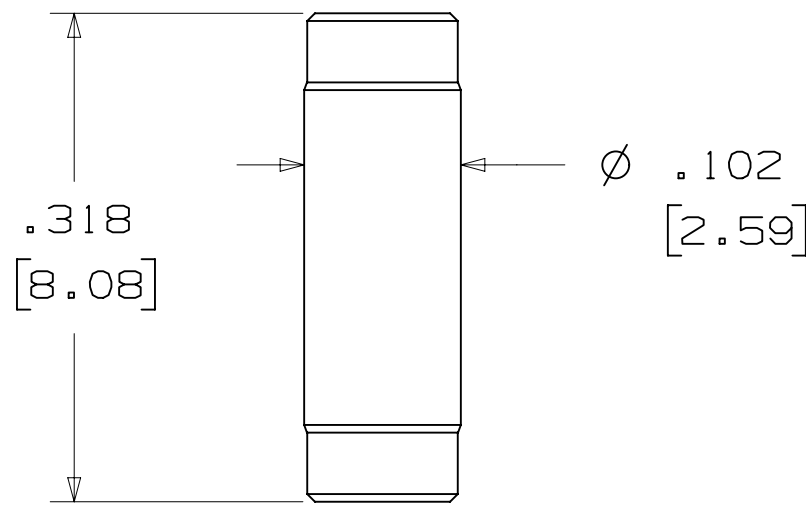
SHORT



SNAP-IN LATCHES

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

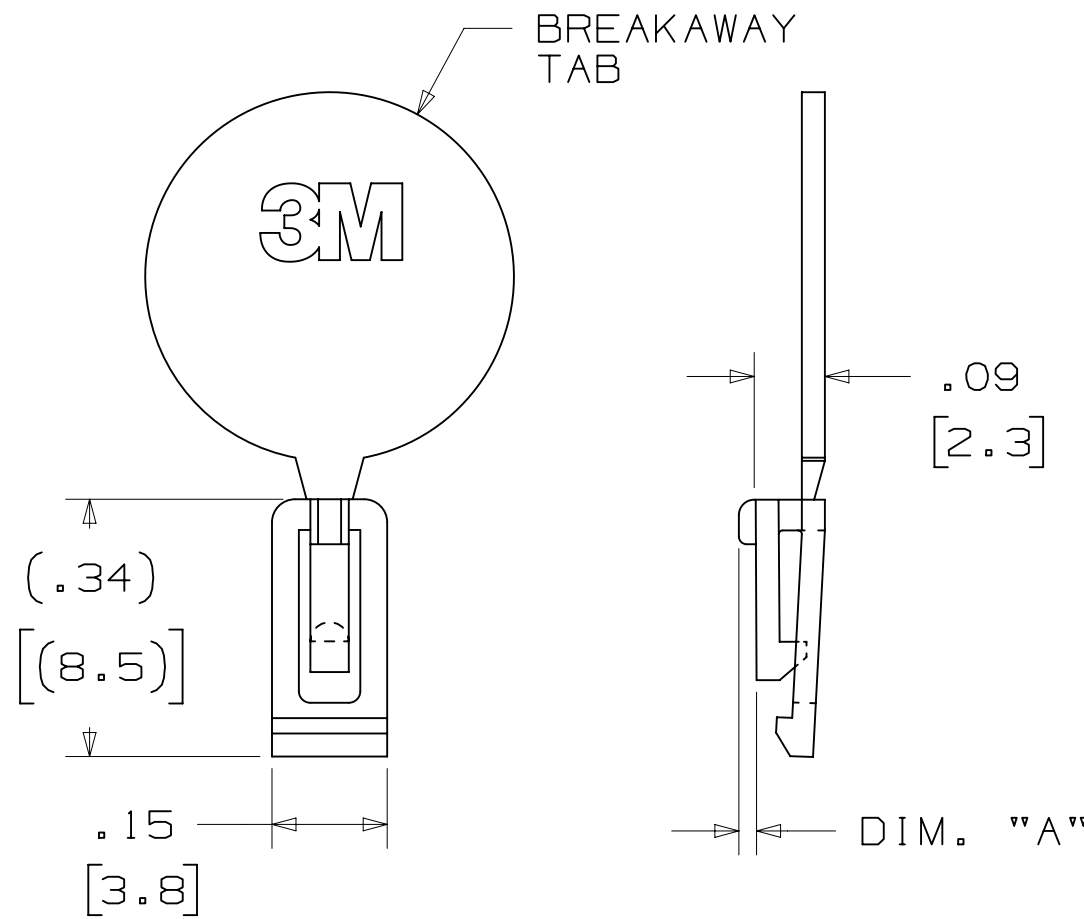
POLARIZING POST



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 CODES	EMSD	CASTIGLIONE	AUG 05, 2014	MFG	DATE	DATE
DIVISION	Interconnect Solutions	CHKD	DATE	APPRV	R. SCHERER	DATE
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED	INCHES .00 ± .01 .000 ± .005 .0000 ±	MILLIMETERS 0 ± .3 .00 ± .13 .000 ±	MARKED ONLY	ANGLES
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	CAGE NUMBER	SIZE	DRAWING NO.	REV.	REV.
MAX SURFACE ROUGHNESS	DET SURFACES	MODEL	3000 SERIES	DET	YES	NO
MARKED ONLY	ANGLES	LISTS	YES	NO	SHT	3 OF 3

60056

MAR 06, 2015

REVISE ORDERING NUMBER

JNC

RS

56068

AUG 05, 2014

REVISED AND REDRAWN

JNC

RS

3M

3M Center St. Paul, MN 55144

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

78-5100-0773-1

K

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[3431-6002UG](#) [3432-5602UG](#) [3314-6503UG](#) [3433-5603UG](#) [N3372-1002UG](#) [N3764-5502UG](#) [N3429-6603UG](#)
[N3432-6603UG](#) [N3433-D303RB](#) [N3793-3005EB](#) [3433-6605](#) [3627-5503UG](#) [N3428-5305EB](#) [N3431-6305EB](#) [N3432-](#)
[6305EB](#) [N3433-6005EB](#) [3433-D303](#) [3793-5602UG](#) [N3314-650FUG](#) [N3314-650FRB](#) [N3433-6305RB](#) [N3793-](#)
[5005EB](#) [3314-6502UG](#) [3408-5603UG](#) [3408-6602UG](#) [3428-6602UG](#) [3432-6303UC](#) [3433-5602UG](#) [3433-6305](#) [3627-](#)
[6602UG](#) [3627-6603UG](#) [3440-5502UG](#) [N3793-2602](#) [N3428-5602UG](#) [3627-6502UG](#) [3431-6305](#) [N3433-1602](#) [3764-](#)
[6305](#) [3440-6503UG](#) [3793-6305](#) [N3408-1602RB](#) [N3428-1602RB](#) [N3428-6005EB](#) [N3431-3005EB](#) [N3431-5305EB](#)
[N3433-1602RB](#) [N3440-530FRB](#) [N3793-2502RB](#) [N3793-6005EB](#) [N3793-6305EB](#) [N3793-1502RB](#) [N3869-5002-RB](#)
[N3889-5002-RB](#) [N3408-5005EB](#) [N3431-1602RB](#) [N3432-6005EB](#) [N3433-L603RB](#)