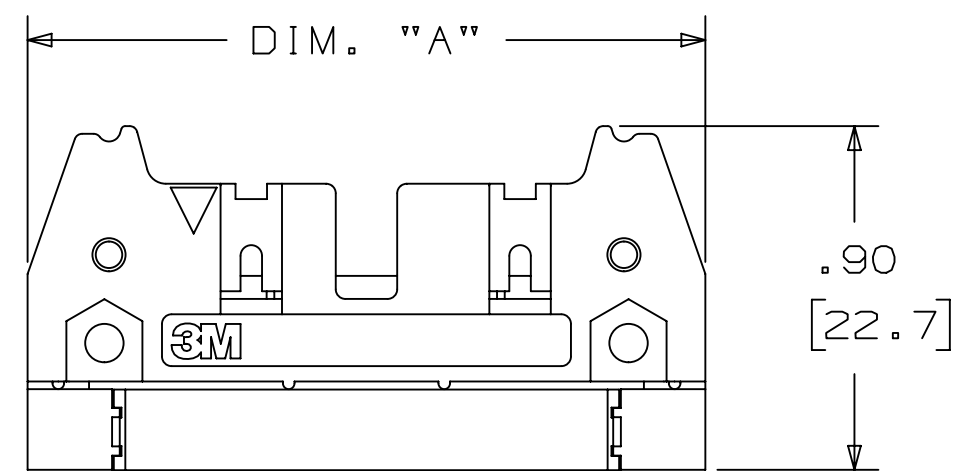
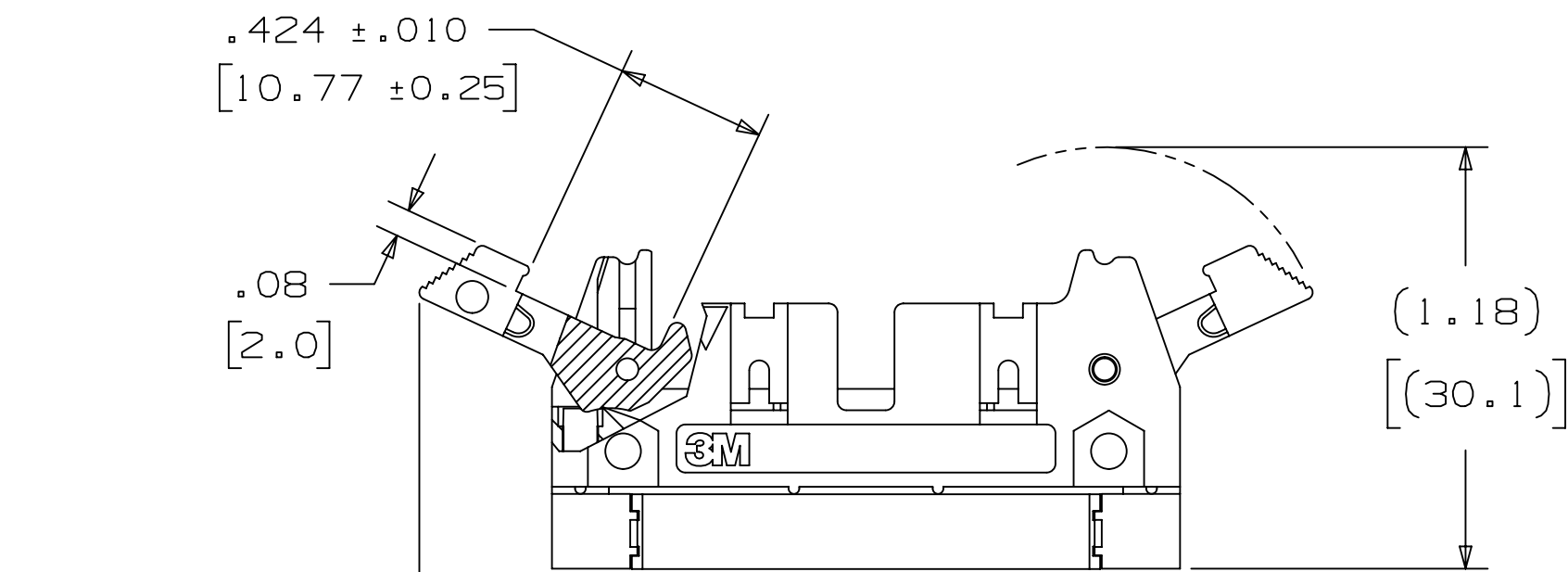


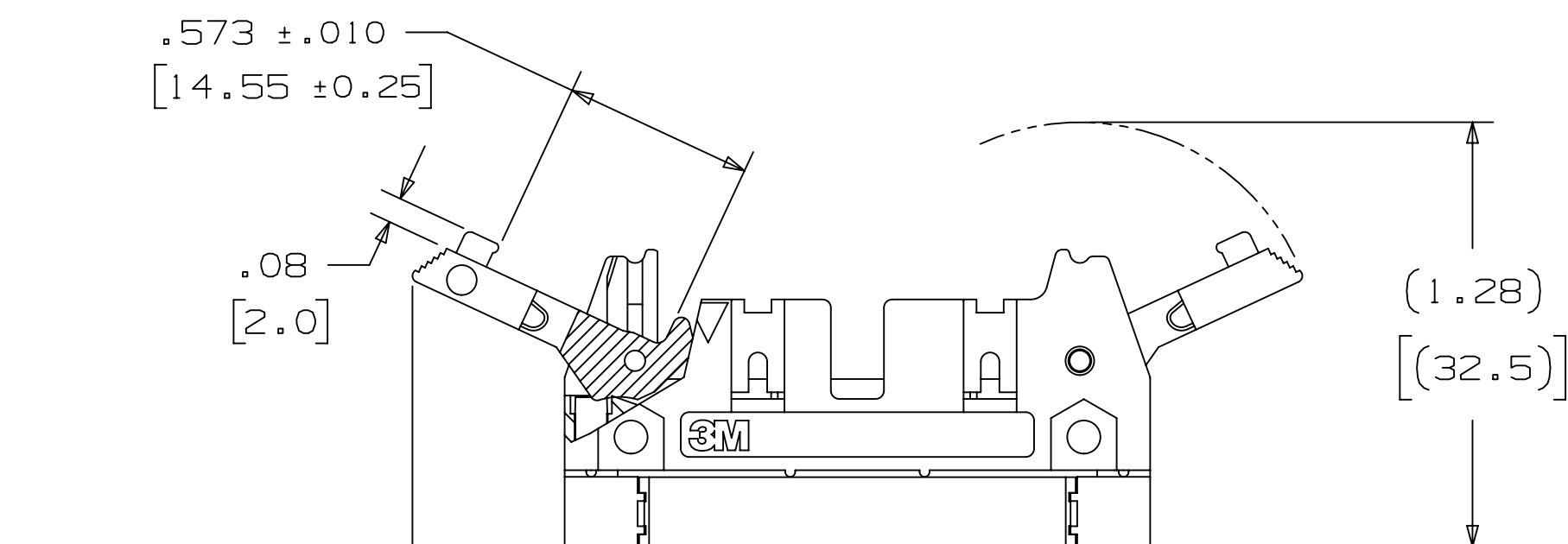
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-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

N3XXX-DXXXRB

```
- TAIL:
02 = FOR .062 [ 1.57 ] THICK BOARD
03 = FOR .094 TO .125 [ 2.39 TO 3.18 ] THICK BOARD
```

LATCH/EJECTOR SYSTEM: _____
 0 = NO LATCH/EJECTOR INSTALLED
 2 = SHORT ROLL PIN LATCH/EJECTORS
 3 = LONG ROLL PIN LATCH/EJECTORS

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 HARNESSSES.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.

```

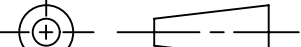
INSULATOR:
  MATERIAL: HIGH TEMP GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
  COLOR: BLACK
CONTACT:
  MATERIAL: COPPER ALLOY
  PLATING:
UNDER PLATING: 50μ"-150μ" [ 1.27μm-3.81μm ] NICKEL-OVERALL
  WIPING AREA: 30μ" [ 0.76μm ] AVG. GOLD
  SOLDER TAILS: 200μ" [ 5.08μm ] MIN MATTE TIN
  MARKINGS: 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, SINGLE PASS)

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ACROSS CODES				DRFT CASTIGLIONE		DATE AUG 05, 2014		MFG		DATE			
				CHKD		DATE		APPRV. R. SCHERER		DATE SEP 05, 2014			
DIVISION Interconnect Solutions				DIVISION CODE EMSD				© 3M COPYRIGHT 2021 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 2 1		TOLERANCES EXCEPT AS NOTED				3M 3M Center St. Paul, MN 55114					
 THIRD ANGLE PROJECTION				INCHES .00 ±.1 .00 ±.01 .0000 ±.005 .0000 ±.0002				TITLE THREE - WALL CONDO HEADER, .100 X .100 LATCH/EJECT, RA					
INTERPRET PER ASME Y14.5 - 2018				MILLIMETERS 0 ±2 0.0 ±3 0.00 ±.13 0.000 ±.005				CAGE NUMBER D		SIZE DRAWING NO. 78-5100-0773-1		REV. M	
MAX SURFACE ROUGHNESS ✓ ☒ ALL SURFACES ✓ ☐ MARKED ONLY				ANGLES 3400				MODEL 3400		DET. LISTS ☐ YES ☒ NO		SHT 1 OF 4	

UL[®]
US
UL FILE NO: E68080

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

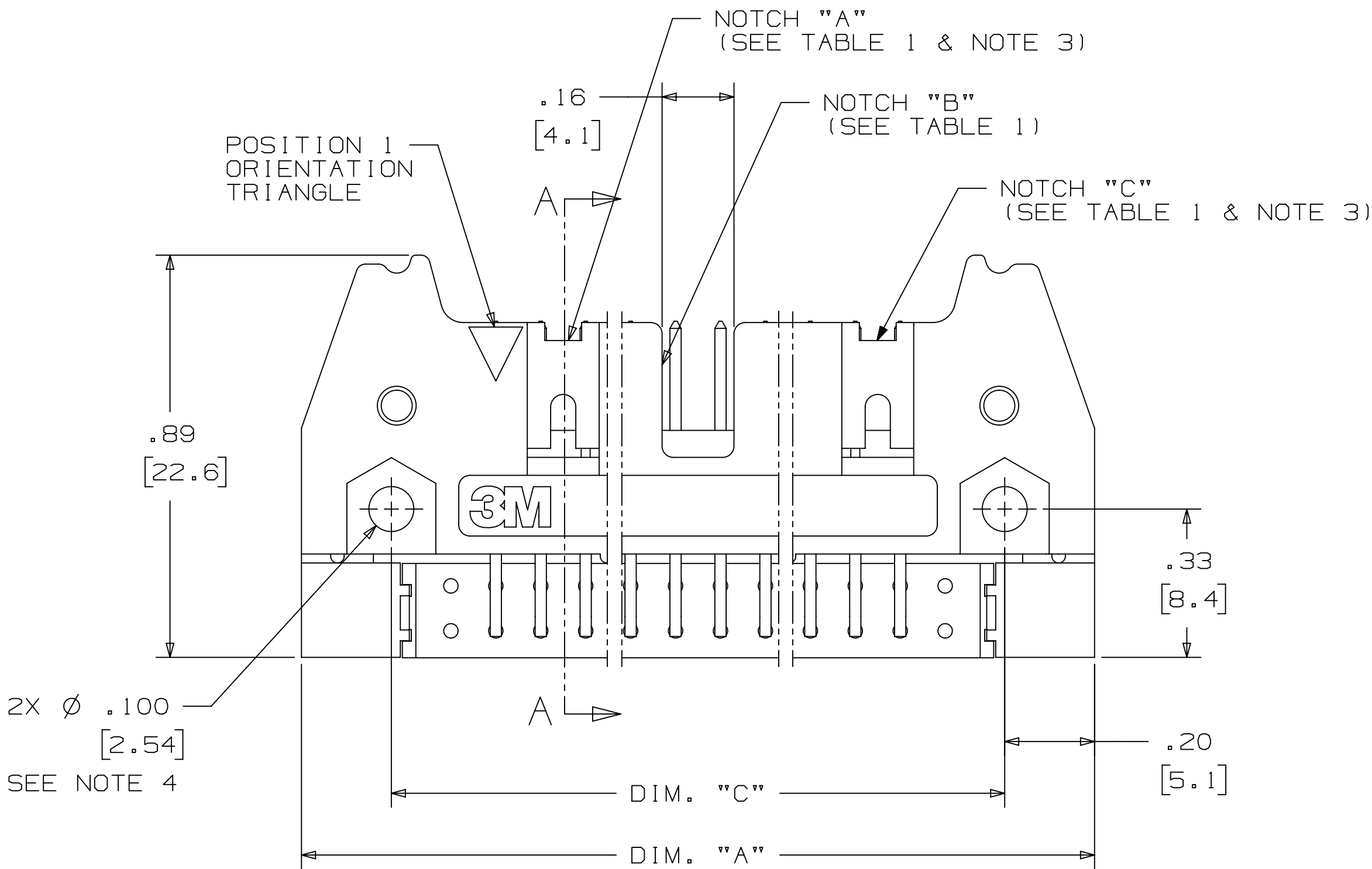
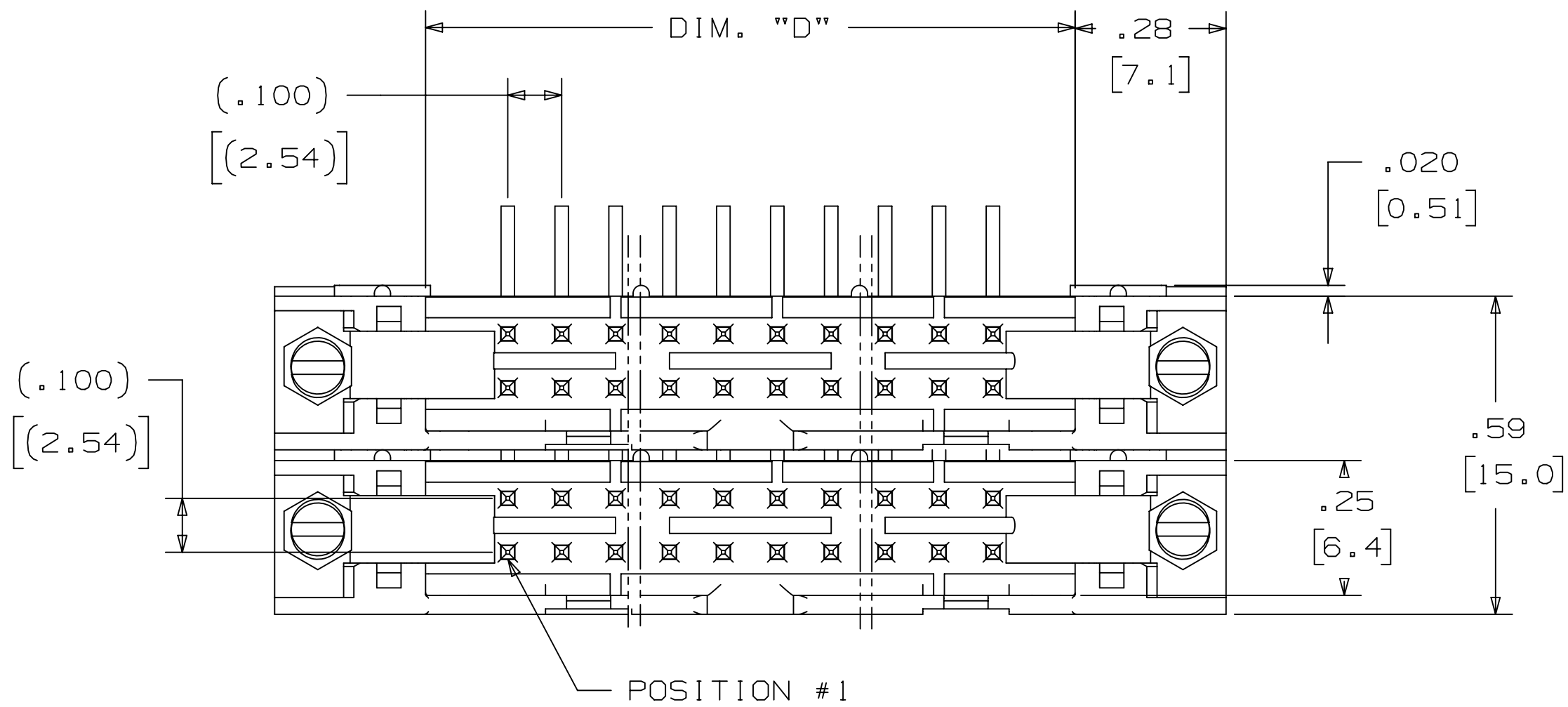
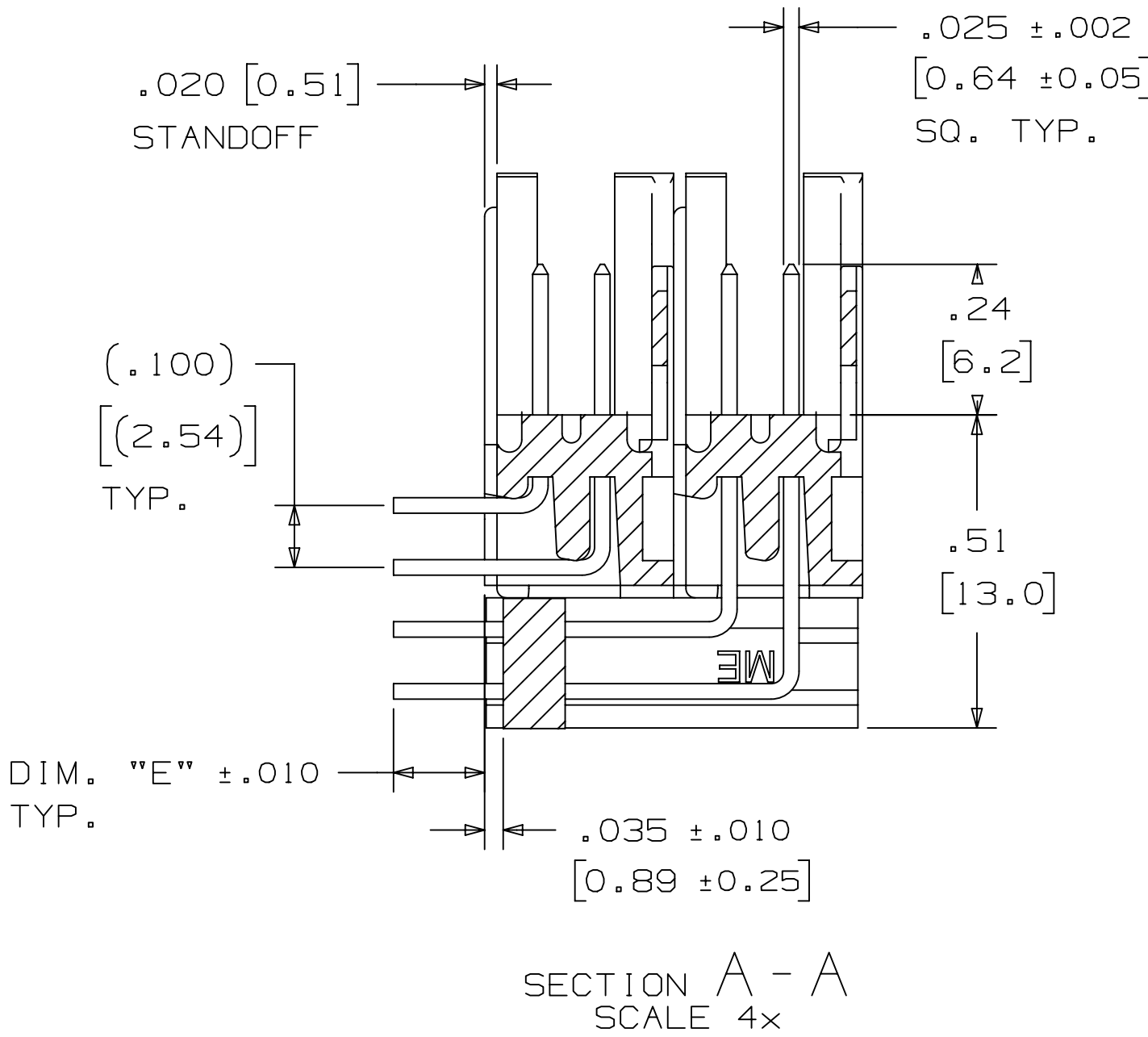


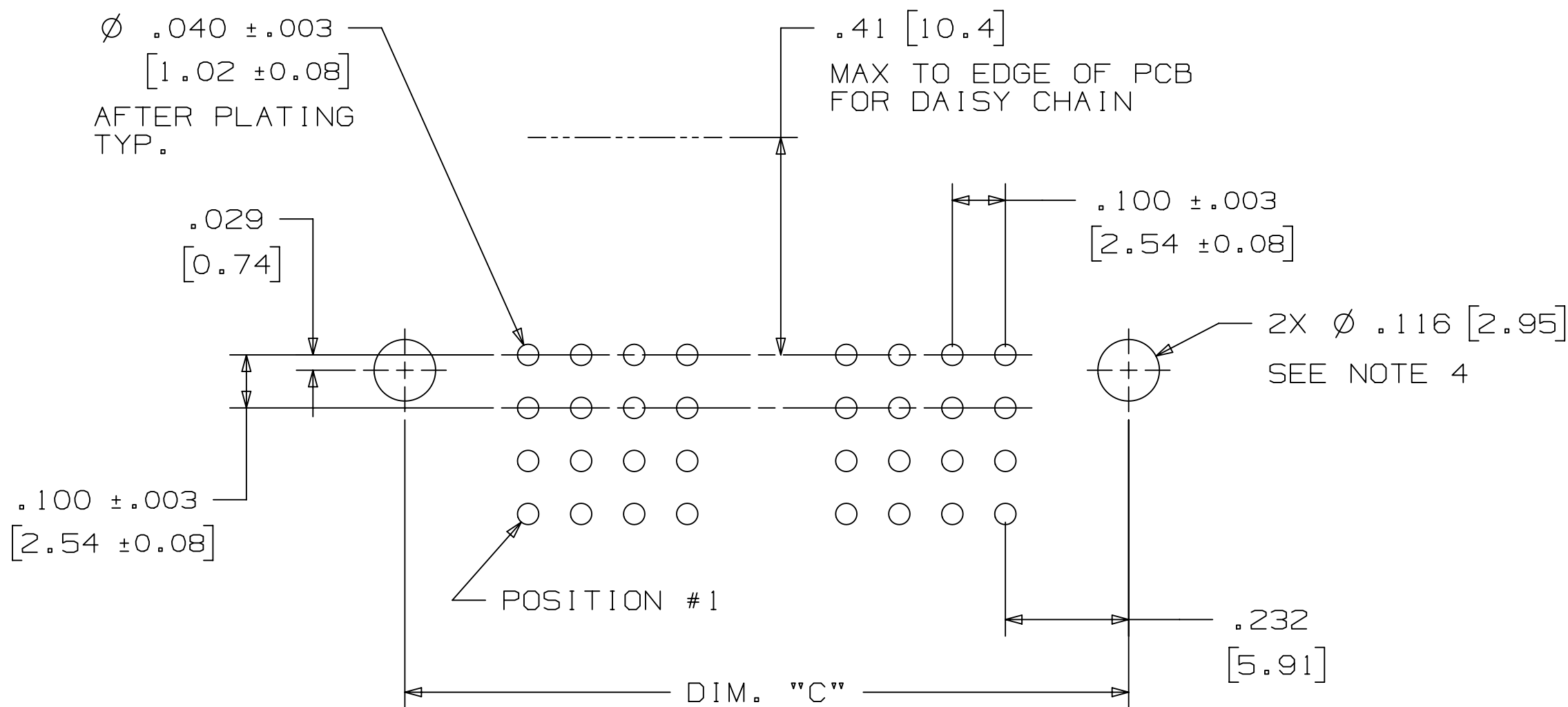
TABLE 1						
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
20	3793	1.26 [32.1]	.865 [21.97]	.71 [18.0]	BC	20
28	3314	1.46 [37.2]	1.065 [27.05]	.91 [23.1]	BC	28
32	3408	1.56 [39.7]	1.165 [29.59]	1.01 [25.6]	ABC	32
40	3428	1.76 [44.8]	1.365 [34.67]	1.21 [30.7]	ABC	40
48	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.

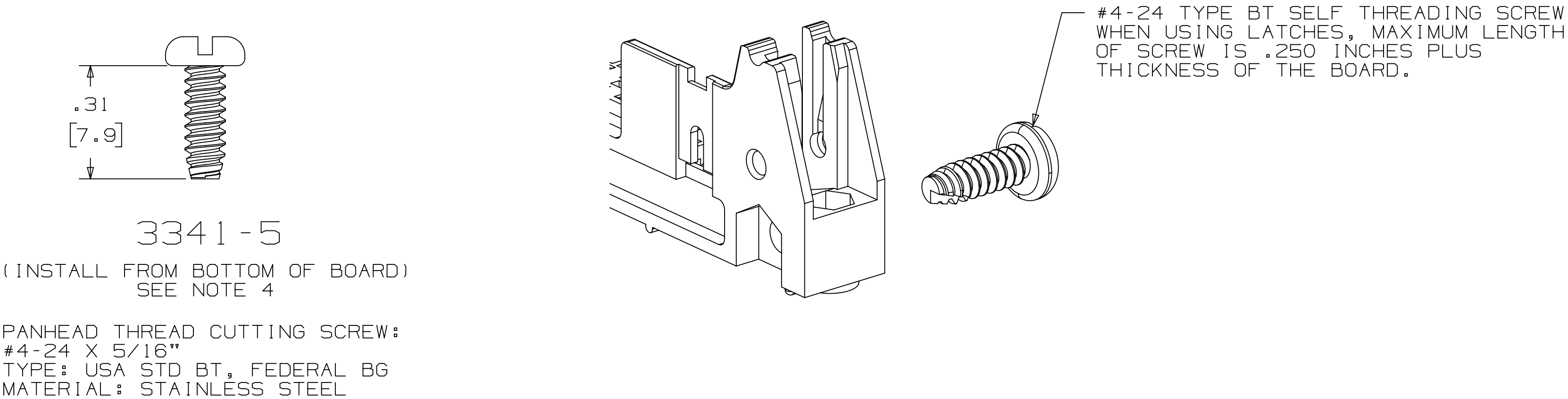
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	DRFT	CASTIGLIONE	DATE AUG 05,2014	MFG	DATE
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	APPRV	R. SCHERER	DATE SEP 05,2014
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS 0 ±2				
MAX. SURFACE ROUGHNESS	ALL SURFACES	INCHES .00 ±.01				
MARKED ONLY		MILLIMETERS .00 ±.13				
		INCHES .0000 ±.0002				
		MILLIMETERS .00 ±.3				
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		MILLIMETERS .00 ±.3	</			

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



RECOMMENDED MOUNTING HOLE PATTERN

MOUNTING HARDWARE



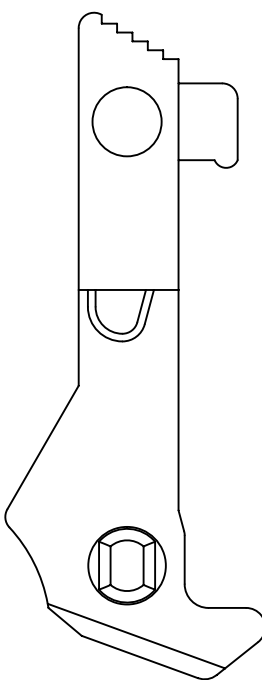
PART CUSTOMIZATION

THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

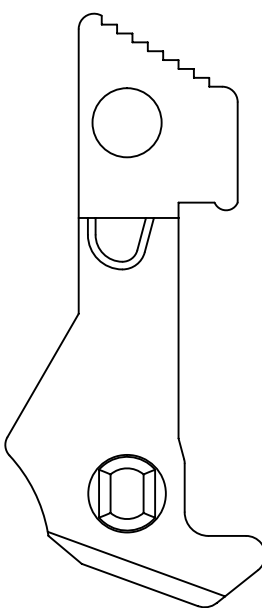
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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



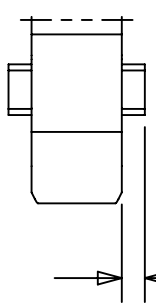
LONG



SHORT

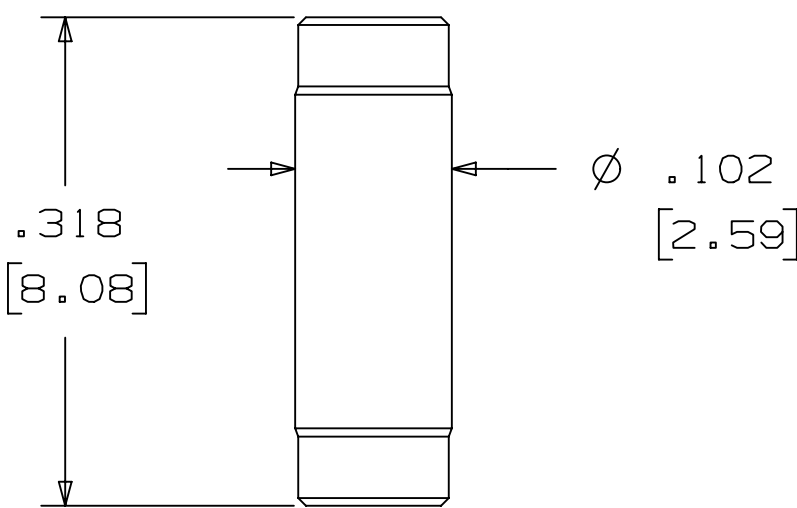
SNAP-IN LATCHES

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



.03
[0.8]
TYP.

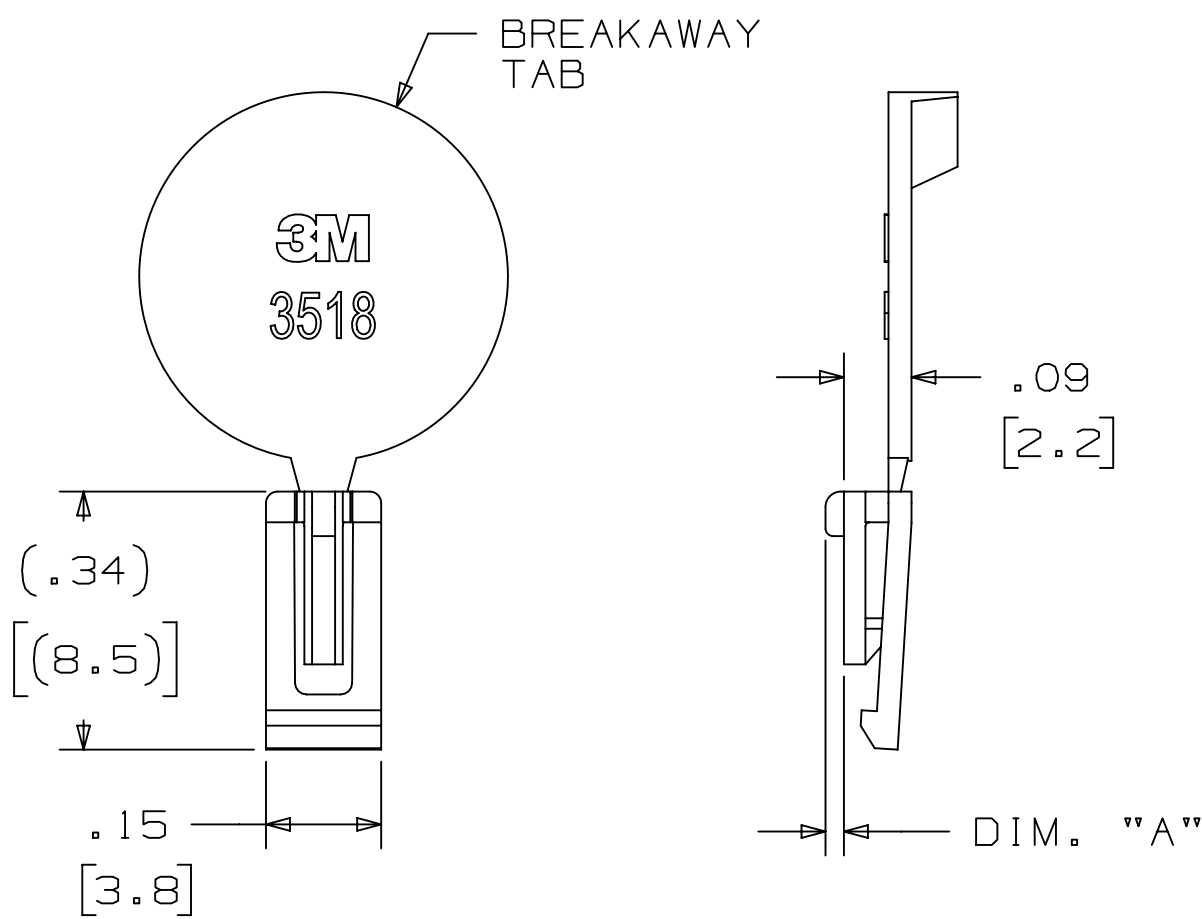
POLARIZING POST



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
ADDER CODES				DRFT	CATTIGLIONE	DATE	AUG 05,2014	MFS	DATE
				CHKD		DATE		APPR	DATE
								R. SCHERER	SEP 05,2014
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2021					
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							
SCALE 4/1									
		INCHES		TITLE THREE - WALL CONDO HEADER, .100 X .100 LATCH/EJECT, RA					
THIRD ANGLE PROJECTION		.00 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002							
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		CAGE NUMBER SIZE DRAWING NO. REV.					
MAX SURFACE ROUGHNESS		0 ±2 .0 ±.3 .00 ±.13 .000 ±.005							
☒ ALL SURFACES		ANGLES		MODEL 3400					
☒ MARKED ONLY		±							
				DET. LISTS ☒ YES ☒ NO SHT 3 OF 4					

3M™ THREE-WALL CONDO HEADER, 3000 SERIES

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

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect

M	97909	JUN 22,2021	JNC	SAN
L	93619	JAN 06,2021	JNC	SAN
K	60056	MAR 06,2015	JNC	RS
J	56068	AUG 05,2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CASTIGLIONE	DATE AUG 05,2014	MFG	DATE
CHKD		DATE	APPR. R. SCHERER	DATE SEP 05,2014
DIVISION Interconnect Solutions		DIVISION CODE EMSD		
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±2 .0 ±.3 .00 ±.13 .000 ±.005		
MAX. SURFACE ROUGHNESS		CAGE NUMBER		
ALL SURFACES		SIZE		
MARKED ONLY		DRAWING NO. 78-5100-0773-1		
		REV. M		
		MODEL 3400		
		DET. YES NO		
		SHT 4 OF 4		