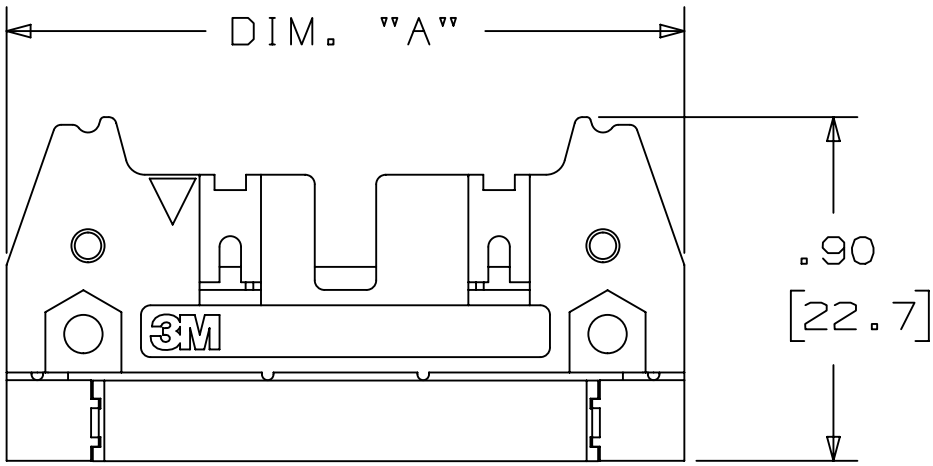
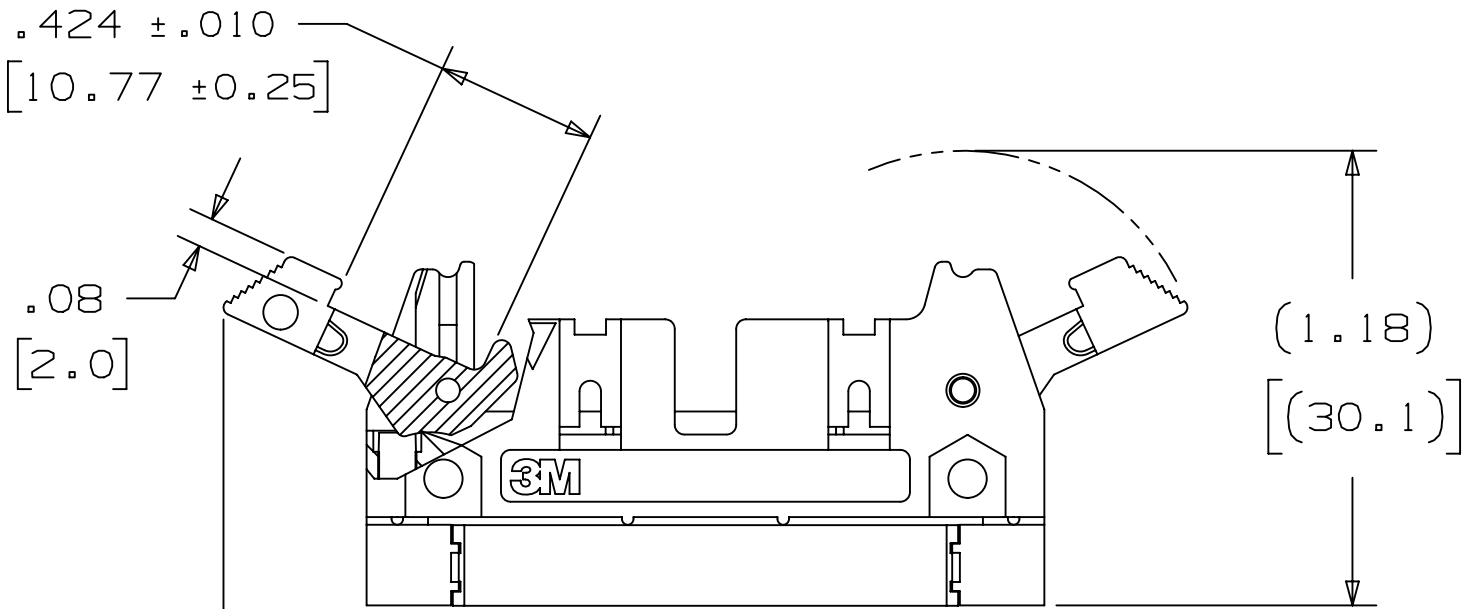


3M™ THREE-WALL CONDO HEADER, 3000 SERIES

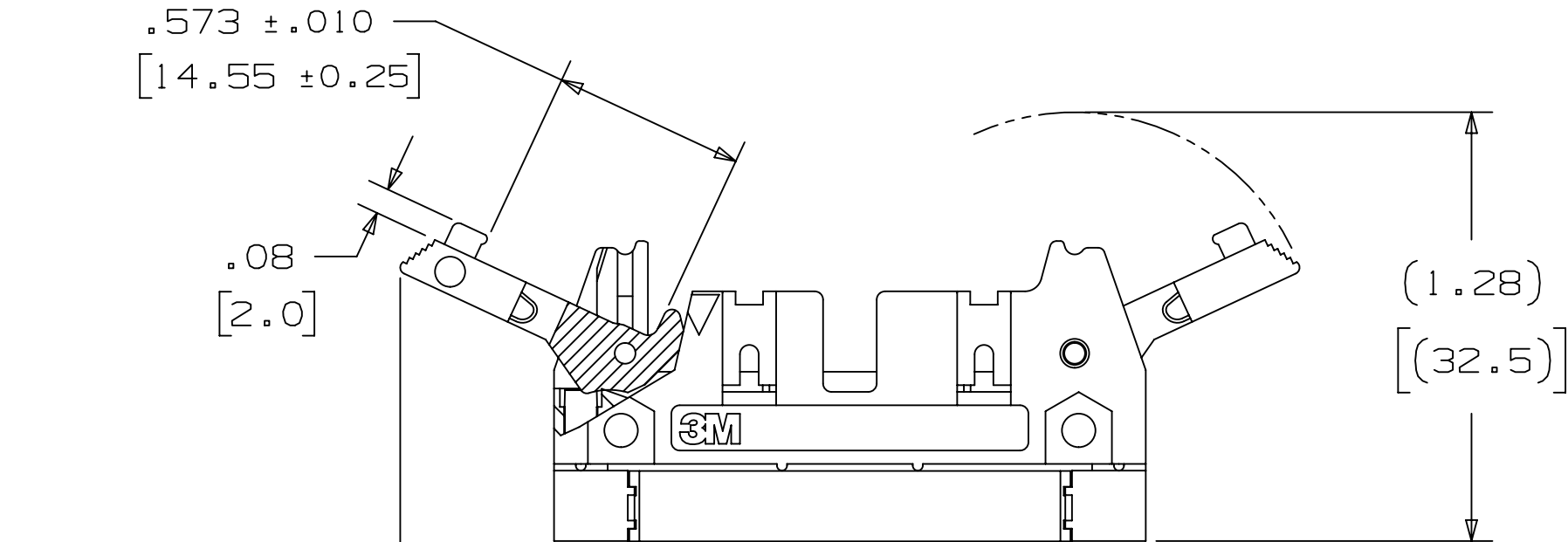
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-D00X
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

ORDERING INFORMATION

N3XXX-DXXXRB

3M PART NUMBER:
(SEE TABLE 1)

PLATING:

TAIL:

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

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

2 PHYSICAL :

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

2 ELECTRICAL :

CURRENT RATING: 1A (EIA 364-70)
INSULATION RESISTANCE: >1 X 10⁹Ω 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, SINGLE PASS)

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

NOTES

1. REGULATORY INFORMATION:
VISIT 3M.com/regs
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.

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

DESIGN REFERENCE	NEXT ASSEMBLY
XXXXP CODES	
DIVISION Interconnect Solutions	DIVISION CODE EMSD
DO NOT SCALE DRAWING	SCALE 2 1
THIRD ANGLE PROJECTION	TOLERANCES EXCEPT AS NOTED
INTERPRET PER ASME Y14.5 - 2018	INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002
MAX. SURFACE ROUGHNESS ALL SURFACES	MILLIMETERS 0 ±2 .0 ±.3 .00 ±.13 .000 ±.005
MARKED ONLY	ANGLES

M	97909	JUN 22,2021 REVISED DIM'S AND NOTES	JNC	SAN
L	93619	JAN 06,2021 REMOVED TIN LEAD PLATING	JNC	SAN
K	60056	MAR 06,2015 REVISE ORDERING NUMBER	JNC	RS
J	56068	AUG 05,2014 REVISED AND REDRAWN	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CSTIGLIONE	DATE AUG 05,2014	MFS	DATE
CHKD		DATE	APPR R. SCHERER	DATE SEP 05,2014
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TITLE THREE-WALL CONDO HEADER, .100 X .100 LATCH/EJECT, RA				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D		78-5100-0773-1	M	
MODEL	3400	DET	LISTS	YES ☐ NO ☒ SHT 1 OF 4

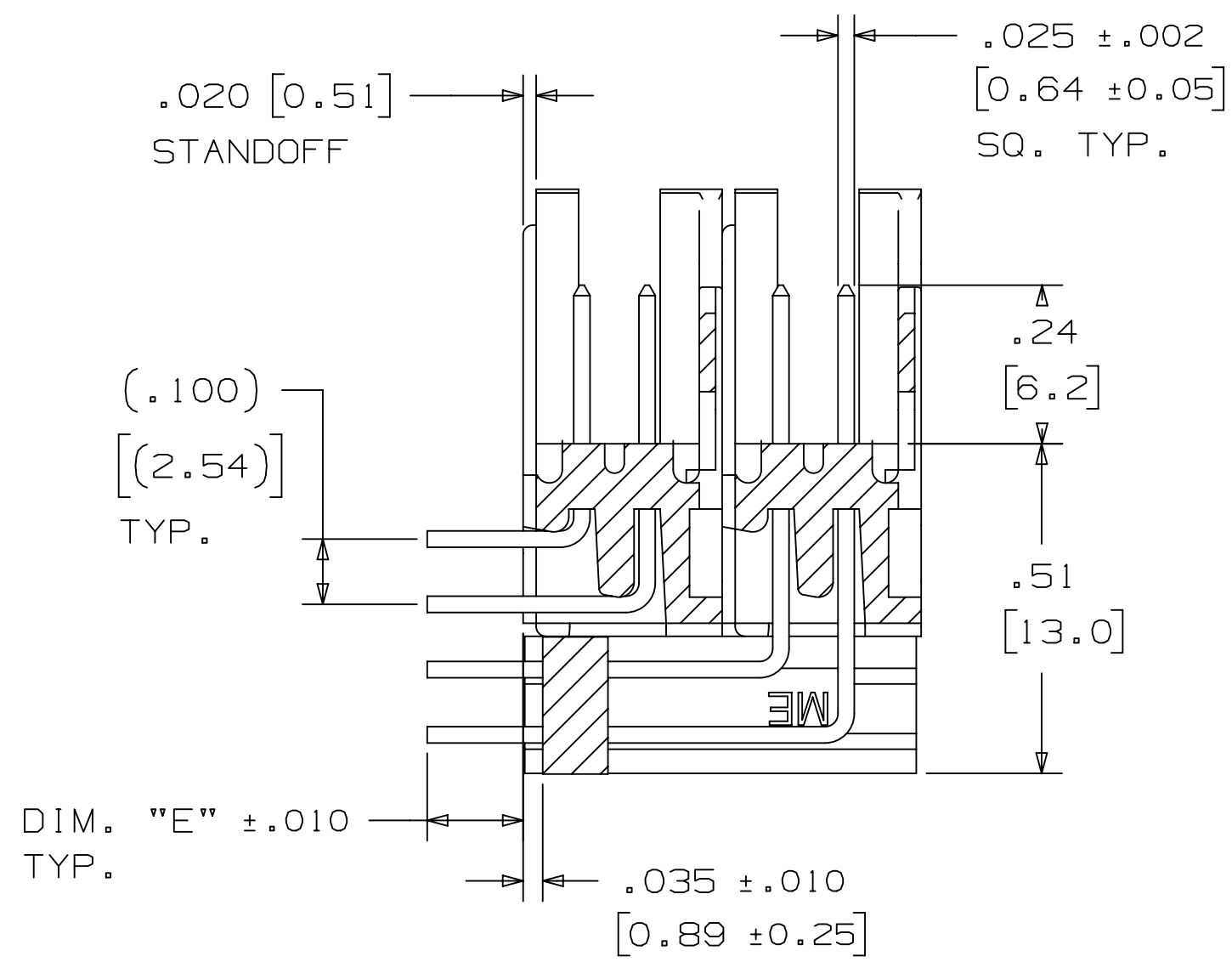
3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

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INFORMATION CALL 800-225-5373

UL
UL FILE NO: E68080

3M™ THREE-WALL CONDO HEADER, 3000 SERIES

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

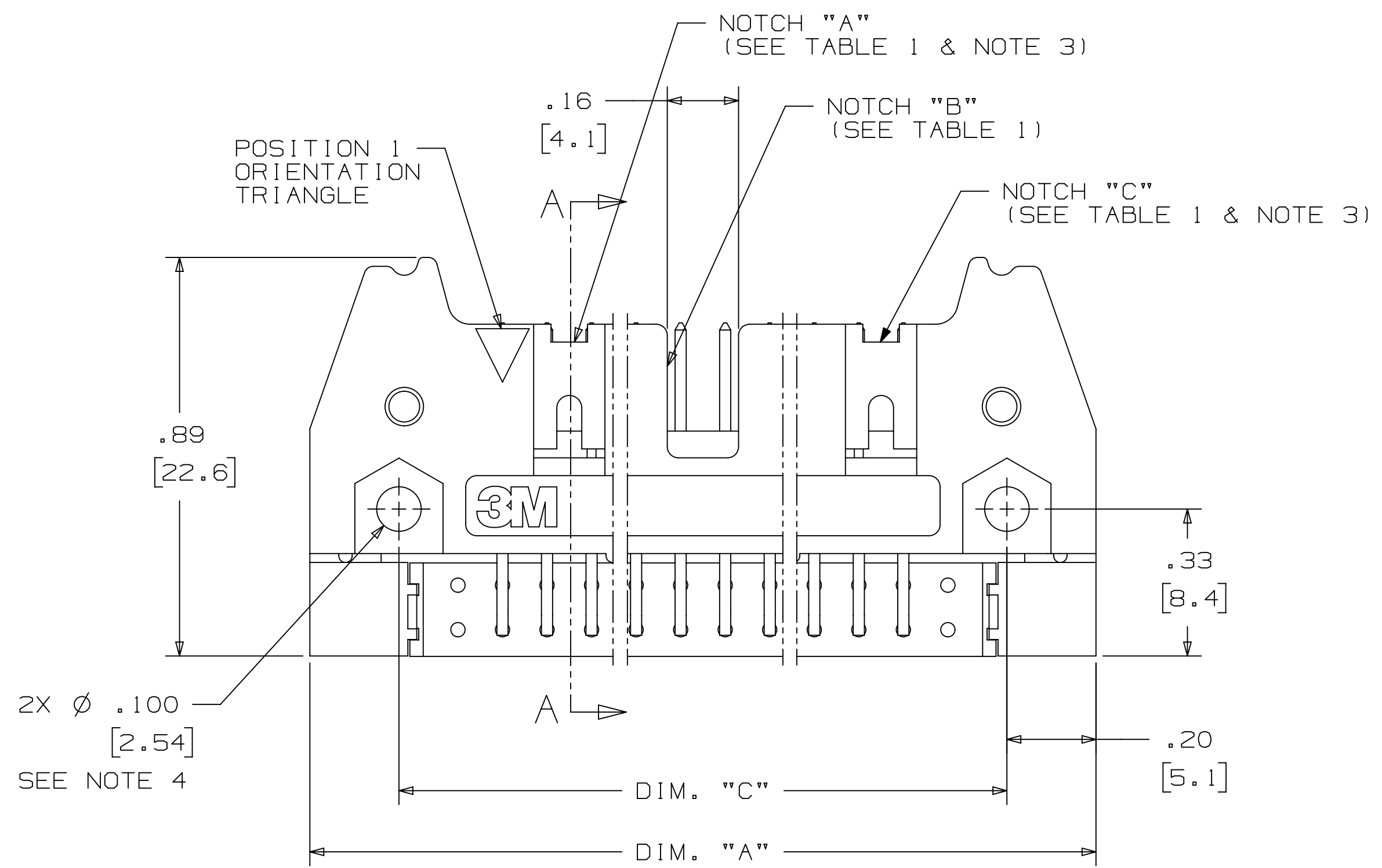
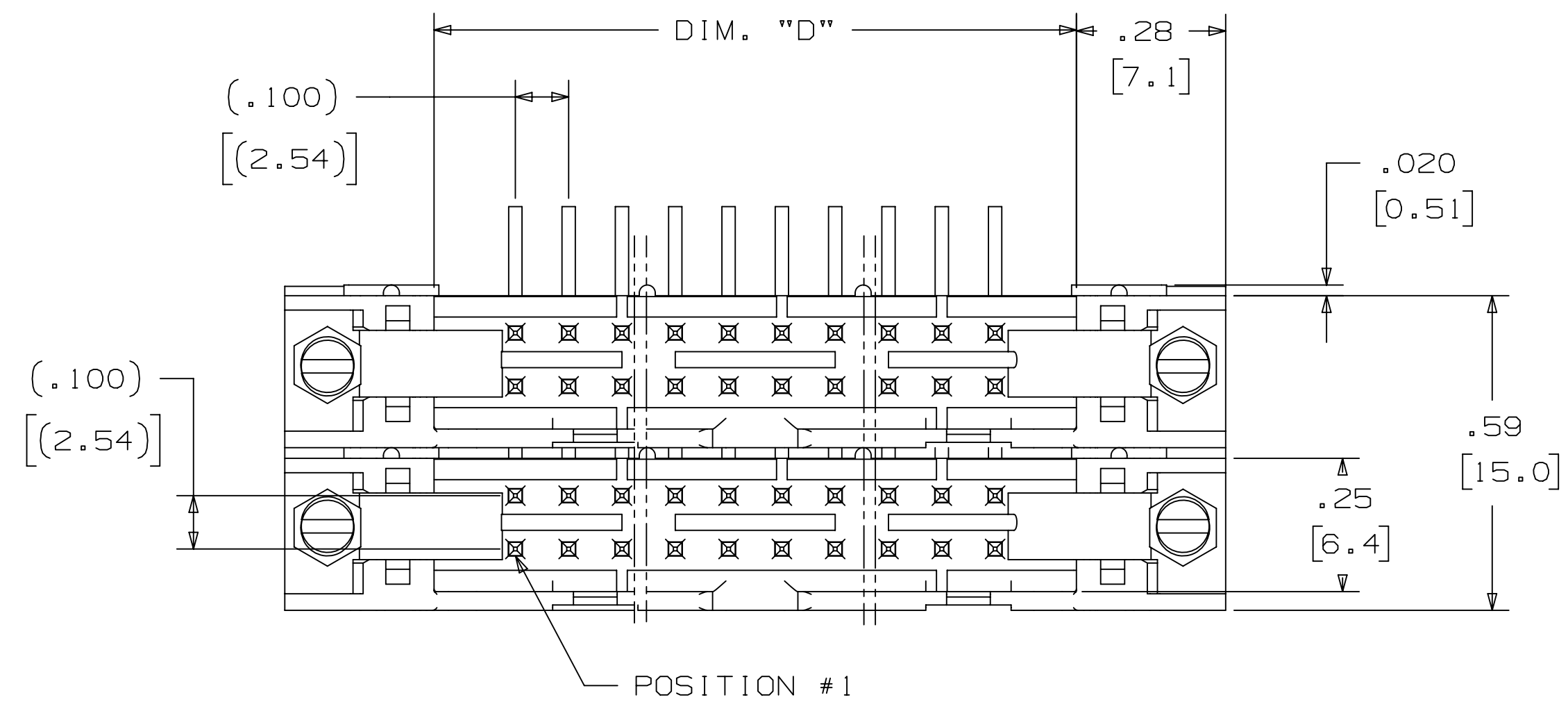


SECTION A - A
SCALE 4x

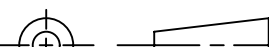
TABLE 1						
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
20	3793	1.26 [32.1]	.865 [21.97]	.71 [18.0]	BC	20
28	3314	1.46 [37.2]	1.065 [27.05]	.91 [23.1]	BC	28
32	3408	1.56 [39.7]	1.165 [29.59]	1.01 [25.6]	ABC	32
40	3428	1.76 [44.8]	1.365 [34.67]	1.21 [30.7]	ABC	40
48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



M	97909	JUN 22, 2021 REVISED DIM'S AND NOTES	JNC	SAN
L	93619	JAN 06, 2021 REMOVED TIN LEAD PLATING	JNC	SAN
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J	56068	AUG 05, 2014 REVISED AND REDRAWN	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT CASTIGLIONE		DATE AUG 05, 2014	MRG	DATE
CHKD		DATE	SUPPL R. SCHERER	DATE SEP 05, 2014

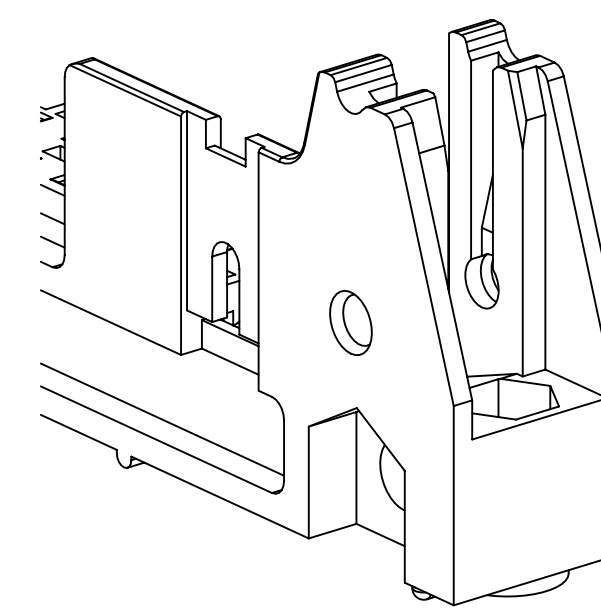
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ADDRESS CODES				REF CASTIGLIONE		DATE AUG 05, 2014		INFO DATE	
				CHKD		DATE		APPROVAL R. SCHERER	DATE SEP 05, 2014
DIVISION		DIVISION CODE		3M 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2021 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M's permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
Interconnect Solutions		EMSD							
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		TITLE THREE-WALL CONDO HEADER, .100 X .100 LATCH/EJECT, RA			
									
THIRD ANGLE PROJECTION				INCHES					
				.00 ±.1					
				.00 ±.01					
				.000 ±.005					
				.0000 ±.0002					
				MILLIMETERS					
				0 ±.2					
				.00 ±.13					
				.000 ±.005					
MAX SURFACE ROUGHNESS				ANGLES					
				30°					
☒ ALL SURFACES						CASE NUMBER		SIZE	
☐ MARKED ONLY						D78-5100-0773-1		DRAWING NO.	
				MODEL		3400		REV.	
						DET. LISTS		YES ☒ NO ☐	
								SHT 2 OF 4	

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



(INSTALL FROM BOTTOM OF BOARD)
SEE NOTE 4

PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



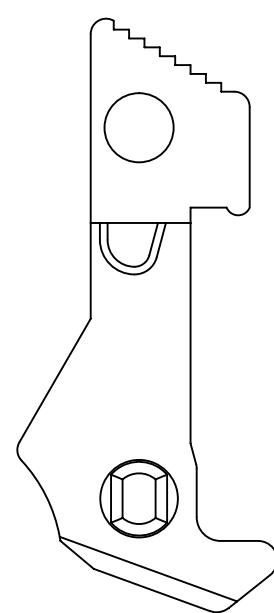
— #4-24 TYPE BT SELF THREADING SCREW
WHEN USING LATCHES, MAXIMUM LENGTH
OF SCREW IS .250 INCHES PLUS
THICKNESS OF THE BOARD.

THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

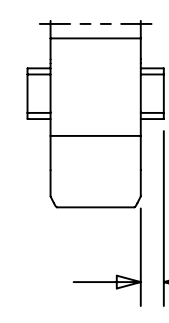
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

LONG



SHORT



— (.03)
[(0.8)]
TYP.

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

Technical drawing of a vertical shaft. The total height is dimensioned as $.318$ [8.08]. The diameter is dimensioned as $\varnothing .102$ [2.59].

NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

Technical drawing of a 3M 3518 Breakaway Tab. The drawing includes a top view and a side view.

Top View:

- The circular top surface is labeled "3M 3518".
- A leader line points to the top edge, labeled "BREAKAWAY TAB".
- The diameter of the top surface is dimensioned as $(.34)$ with a tolerance of $[(8.5)]$.
- The thickness of the base is dimensioned as $.15$ with a tolerance of $[3.8]$.

Side View:

- The side view shows the profile of the tab.
- The thickness of the top layer is dimensioned as $.09$ with a tolerance of $[2.2]$.
- The overall height is dimensioned as "DIM. 'A'".

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				BYP		CAST		GLIGLIONE		MFG		DATE	
						DATE		AUG 05, 2014		APPRV		DATE	
										R. SCHERER		SEP 05, 2014	
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				INCHES		TITLE		THREE - WALL CONDO HEADER, .100 X .100 LATCH/EJECT, RA					
THIRD ANGLE PROJECTION				.00 .0000									
INTERPRET PER ASME Y14.5 - 2018				MILLIMETERS									
MAX SURFACE ROUGHNESS				.00 .0000		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
☒ ALL SURFACES				.00 .0000		D		5100-0773-1		M			
☐ MARKED ONLY				ANGLES ±		MODEL		3400		DET.		SHT 3 OF 4	

3M™ THREE-WALL CONDO HEADER, 3000 SERIES

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

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L	93619	JAN 06,2021	JNC	SAN
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DIVISION Interconnect Solutions		DIVISION CODE EMSD		
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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.		
		REV.		
		MODEL 3400		
		DET. LISTS		
		YES NO		
		SHT 4 OF 4		