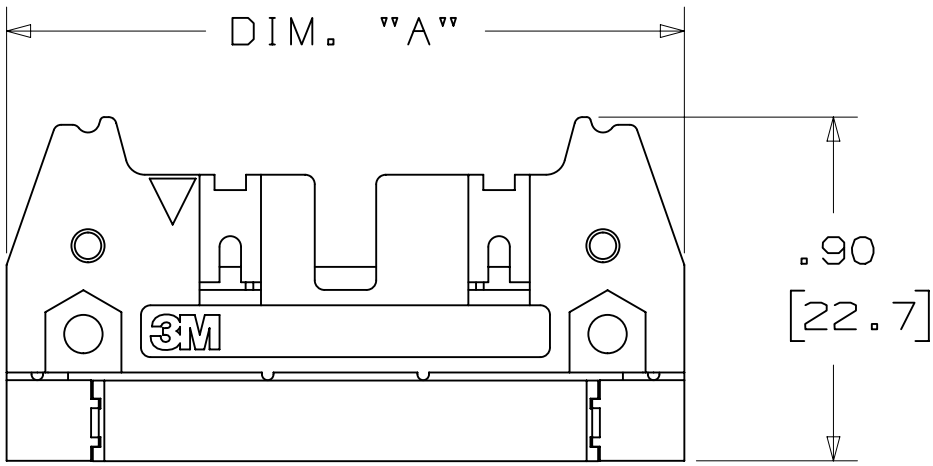
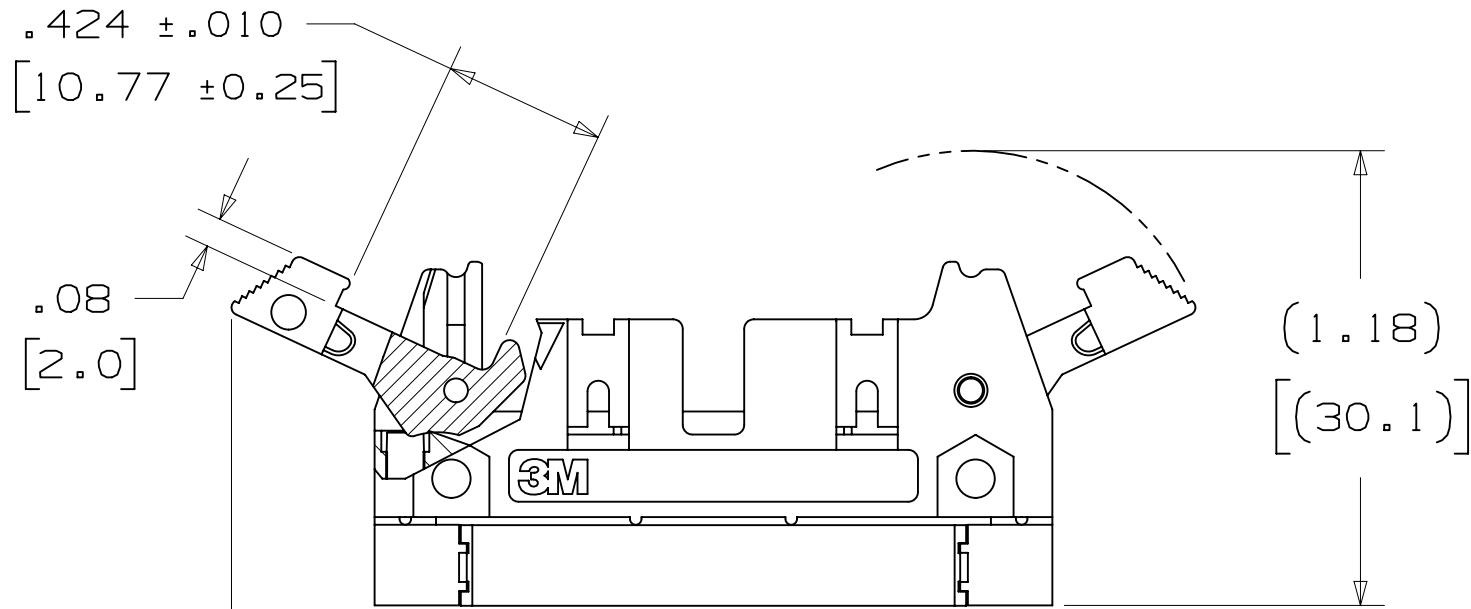


3M™ THREE-WALL CONDO HEADER, 3000 SERIES

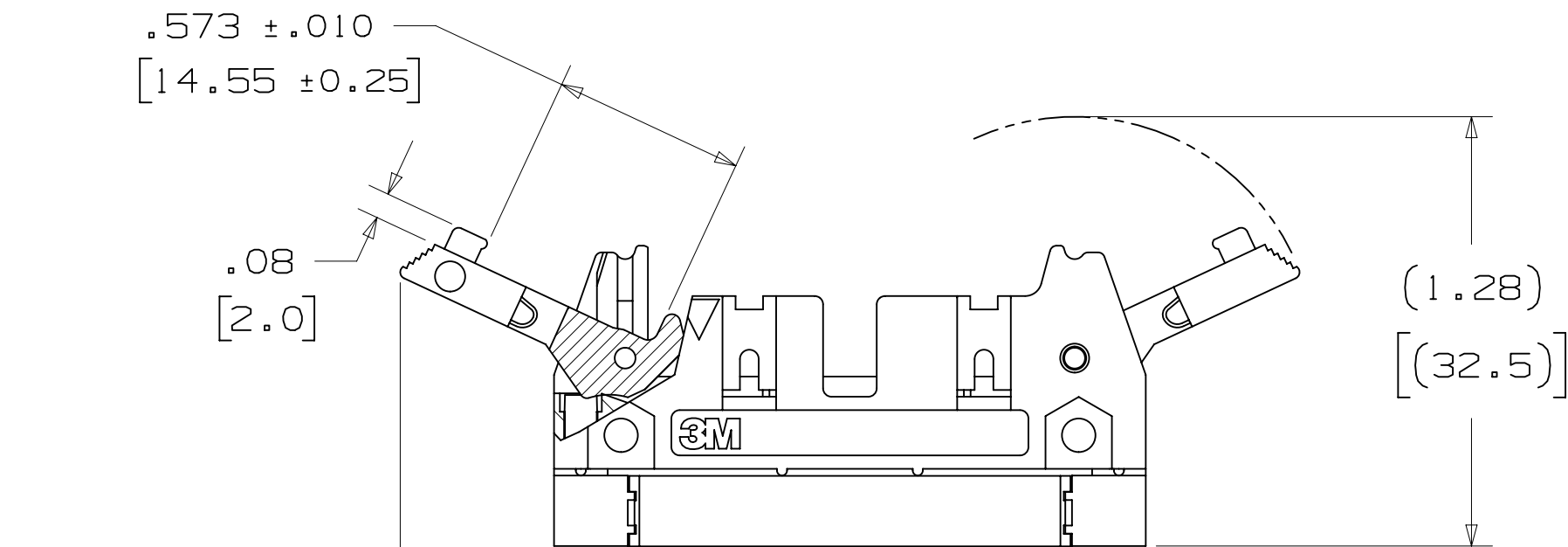
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-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

2 PHYSICAL :

INSULATOR: GLASS FILLED POLYESTER (PCT)
MATERIAL: UL94V-0
FLAMMABILITY: 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 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)

- 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 ACCOMMODATE 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.

ORDERING INFORMATION

X3XXX-DXXXXX

N= HIGH TEMP BLACK (PCT)/(RB PLATING REQ'D)
BLANK= (UB PLATING)

3M PART NUMBER:
(SEE TABLE 1)

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

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)

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

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

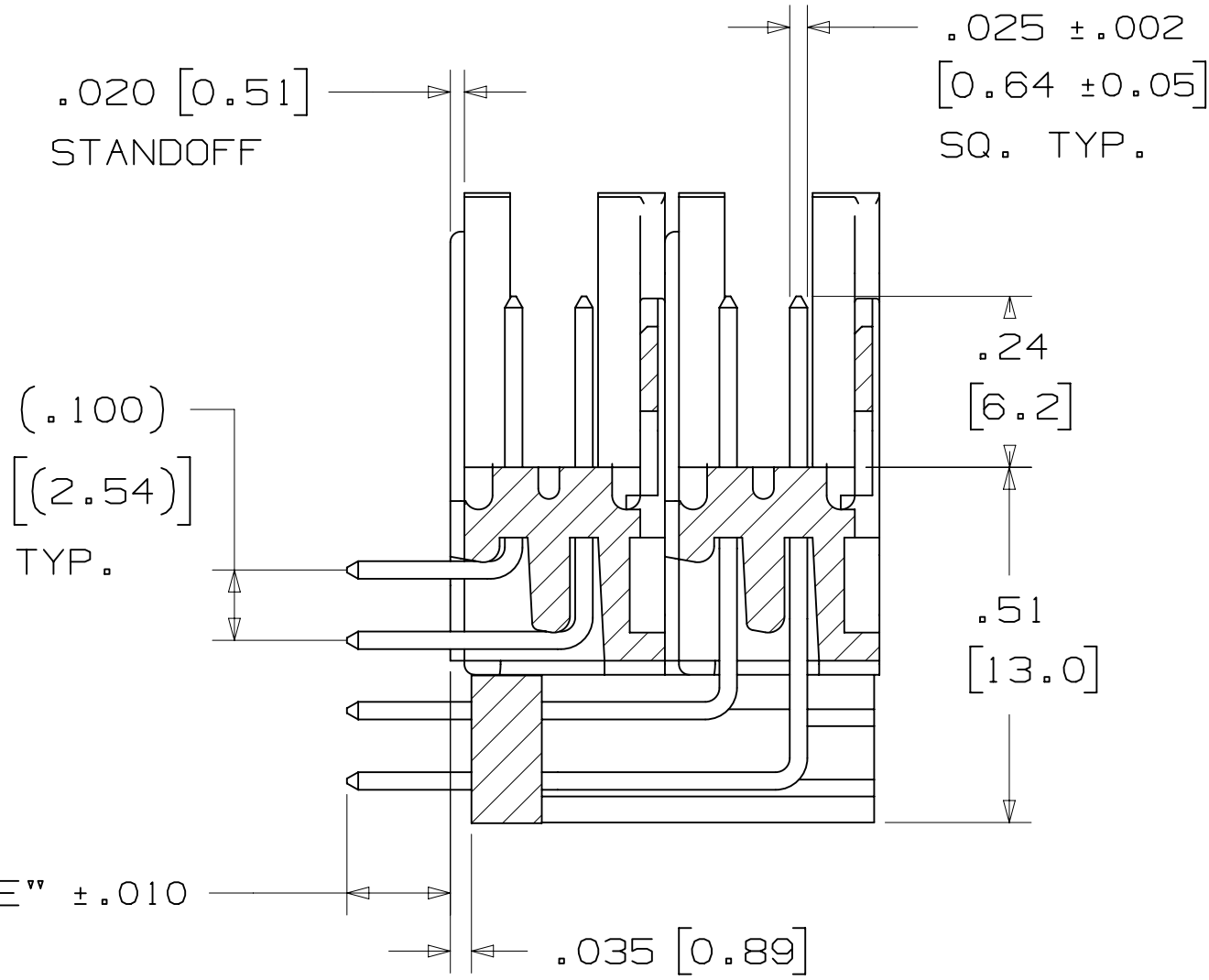
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CODES				AUG 05, 2014		
DIVISION	DIVISION CODE	DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	INCHES	
Interconnect Solutions	EMSD		1		.0 ±.01 .000 ±.005 .0000 ±.0000	
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MILLIMETERS		0 ±.3 .00 ±.13 .000 ±.000		
MAX SURFACE ROUGHNESS	DET SURFACES	MARKED ONLY		ANGLES		
TITLE		CAGE NUMBER		DRAWING NO.		REV.
HEADER, 3-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA		D78-5100-0773-1		K		
MODEL		3000 SERIES		DET		YES NO SHT 1 OF 3

3M ELECTRONIC MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

UL FILE NO: E68080

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

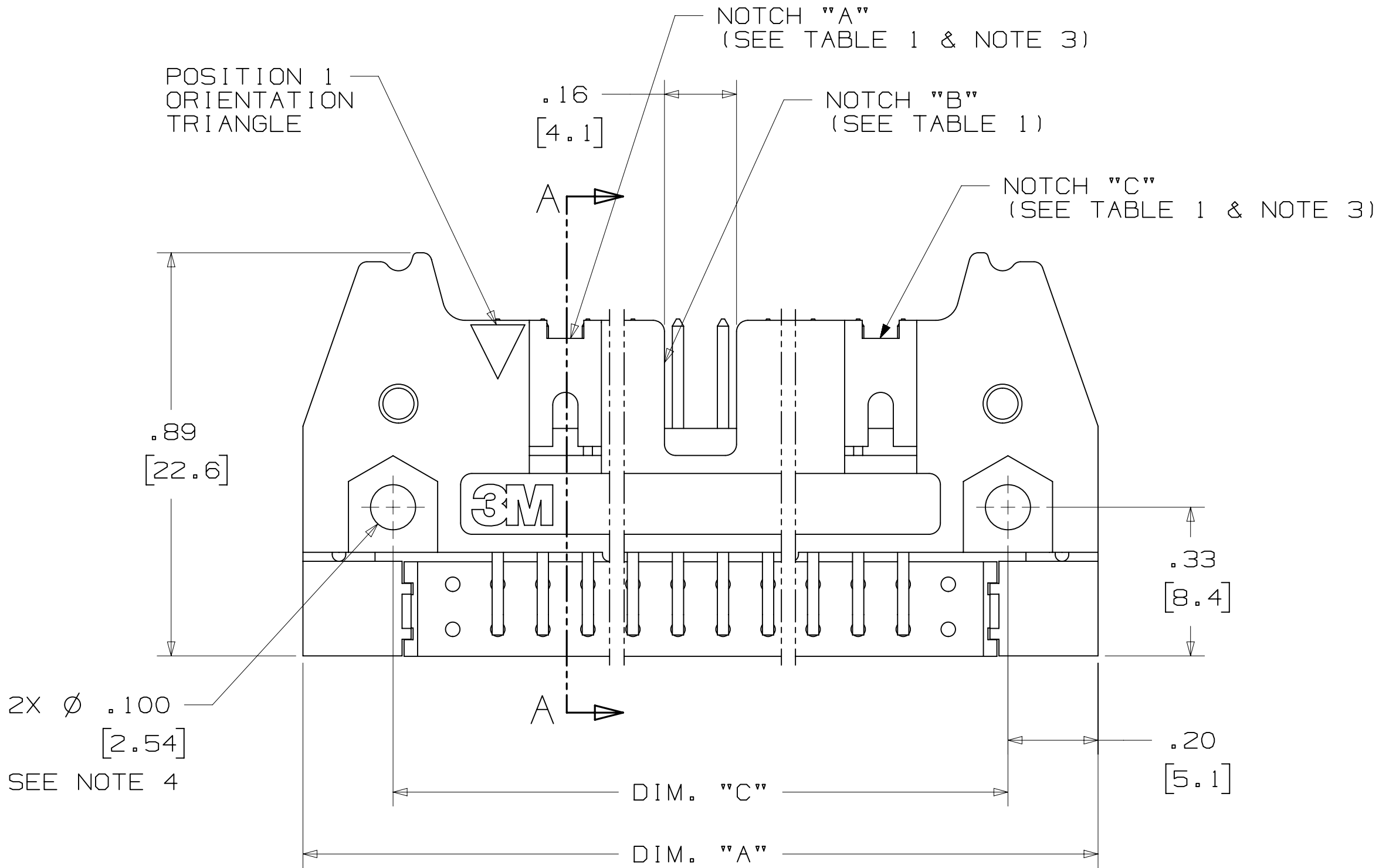
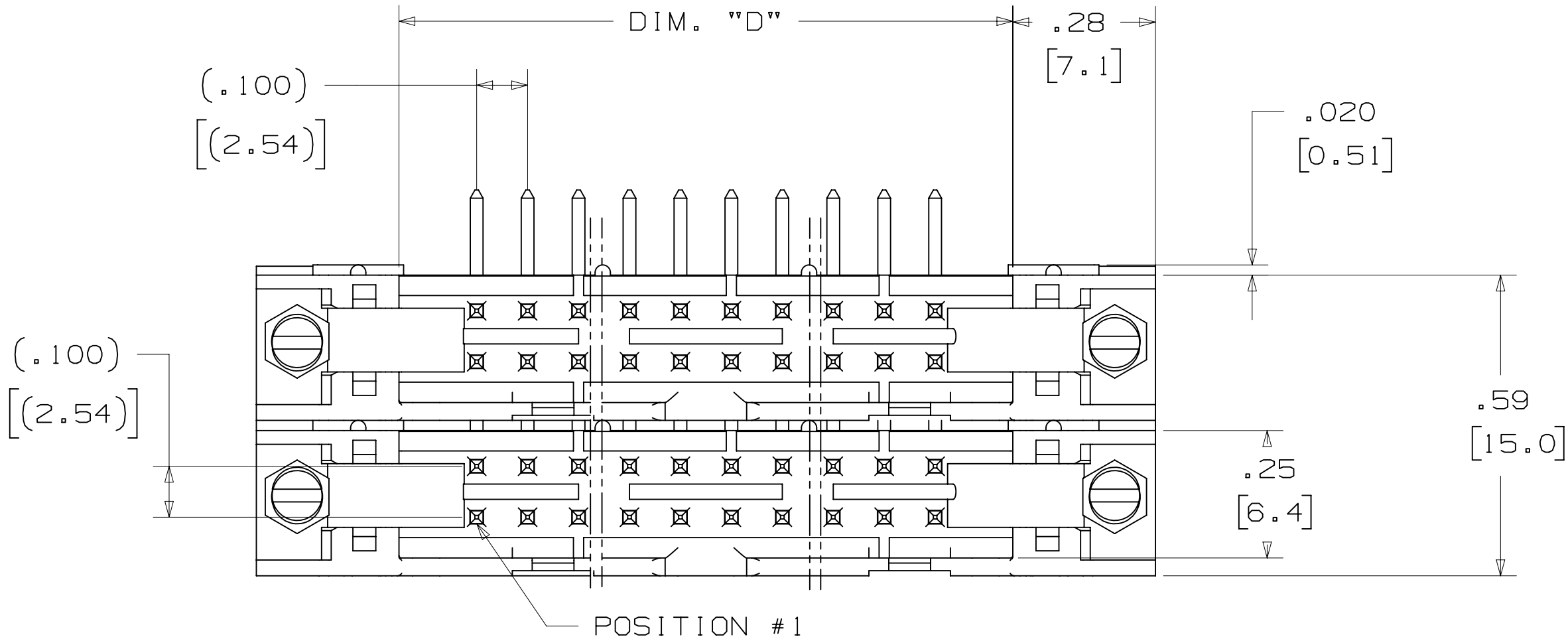


SECTION A - A

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.

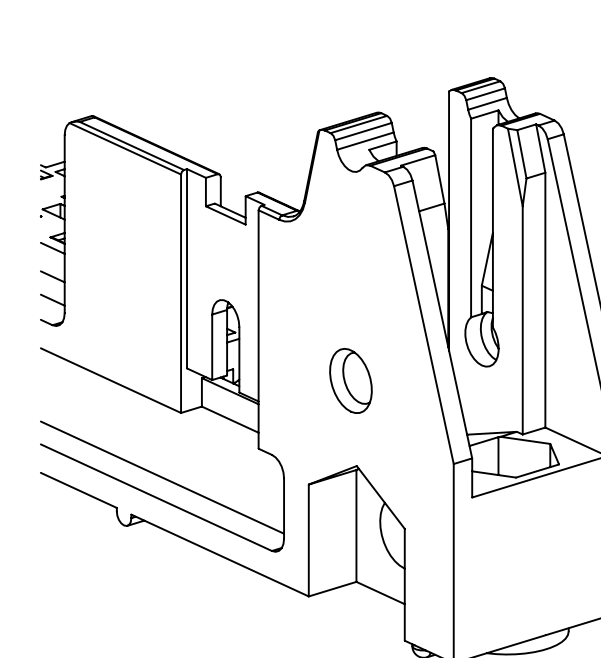


DESIGN REFERENCE		NEXT ASSEMBLY		
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DR	C	DATE	DATE	DATE
CHKD	CASTIGLIONE	AUG 05, 2014	MFG	SEP 05, 2014
DIVISION		DIVISION CODE		
Interconnect Solutions		EMSD		
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		
MAX SURFACE ROUGHNESS		.00 ± .01		
SURFACES		.000 ± .005		
MARKED ONLY		.0000 ± .0000		
3M		© 3M COPYRIGHT 2015		
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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
SHT 2 OF 3				

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



3341-5
(INSTALL FROM BOTTOM OF BOARD)
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.
TORQUE FOR EACH SCREW IS 3-5 INCH LBS.

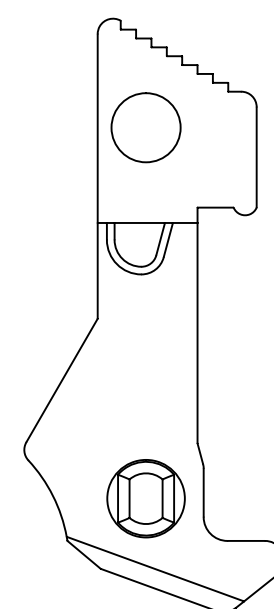
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

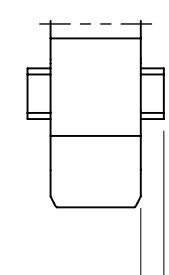
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

Technical drawing of a mechanical part, likely a bracket or support, showing a side view. The part features a circular hole and a rectangular cutout.

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 Breakaway Tab. The drawing includes a top view and a side view.

Top View:

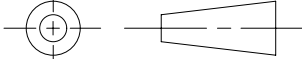
- Central slot width: $(.34)$ [(8.5)]
- Slot depth: $.15$ [3.8]
- 3M logo is present on the tab.

Side View:

- Tab thickness: $.09$ [2.3]
- Dimension $DIM. "A"$ indicates the total height of the tab.

3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

NOTE :
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

		K	60056	MAR 06,2015		JNC	RS
		J	56068	AUG 05,2014		JNC	RS
		REVISED AND REDRAWN					
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT
ACCESS CODES		DRFT CST 1 0 0 0 0 0 0 0		DATE AUG 05 2014		MPG	
		CHKD		DATE		DATE SEP 05,2014	
DIVISION		DIVISION CODE		APPROVAL R		SCHERER	
Interconnect Solutions		EMSD		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 the express written permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.	
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		TITLE		HEADER , 3-WALL , CONDO , .100 X .100 LATCH/EJECTOR , RA	
		INCHES		0 .0 ± 0 .00 ± .01 0 .000 ± .005 0 .0000 ±		0 .0 ± 0 .00 ± .3 0 .00 ± .13 0 .000 ±	
THIRD ANGLE PROJECTION		MILLIMETERS		CAGE NUMBER		SIZE D 78-5100-0773-1	
INTERPRET PER ASME Y14.5 - 2009		0 .0 ± 0 .00 ± .3 0 .00 ± .13 0 .000 ±		DRAWING NO.		REV.	
MAX SURFACE ROUGHNESS 12.5 SURFACES		0 .0 ± 0 .00 ± .3 0 .00 ± .13 0 .000 ±		DATE 11/15/15		YES NO X NO	
MARKED ONLY ANGLES		0 .0 ± 0 .00 ± .3 0 .00 ± .13 0 .000 ±		MODEL		SHT 3 OF 3	
		3000 SERIES		DATE 11/15/15		YES NO X NO	