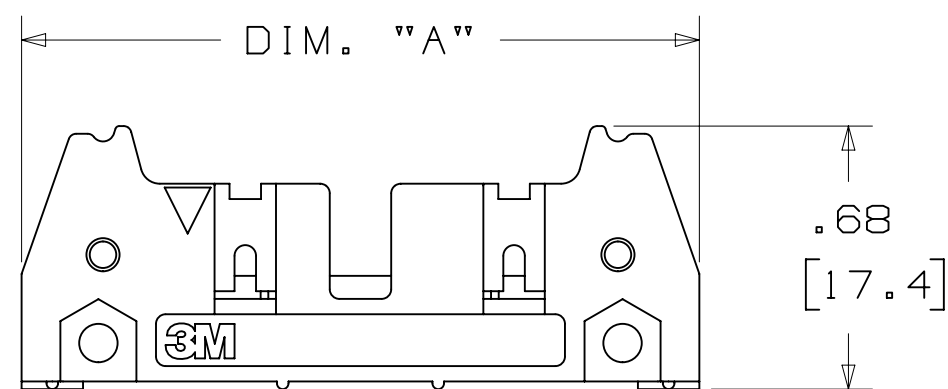
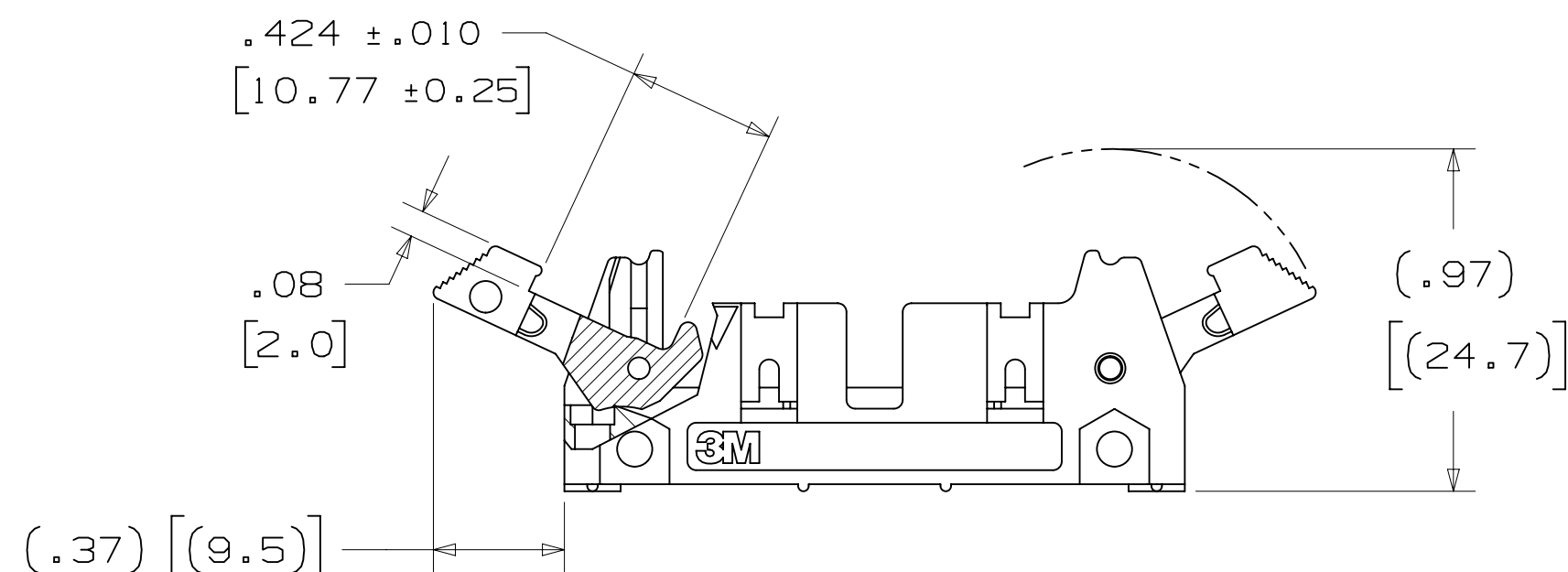


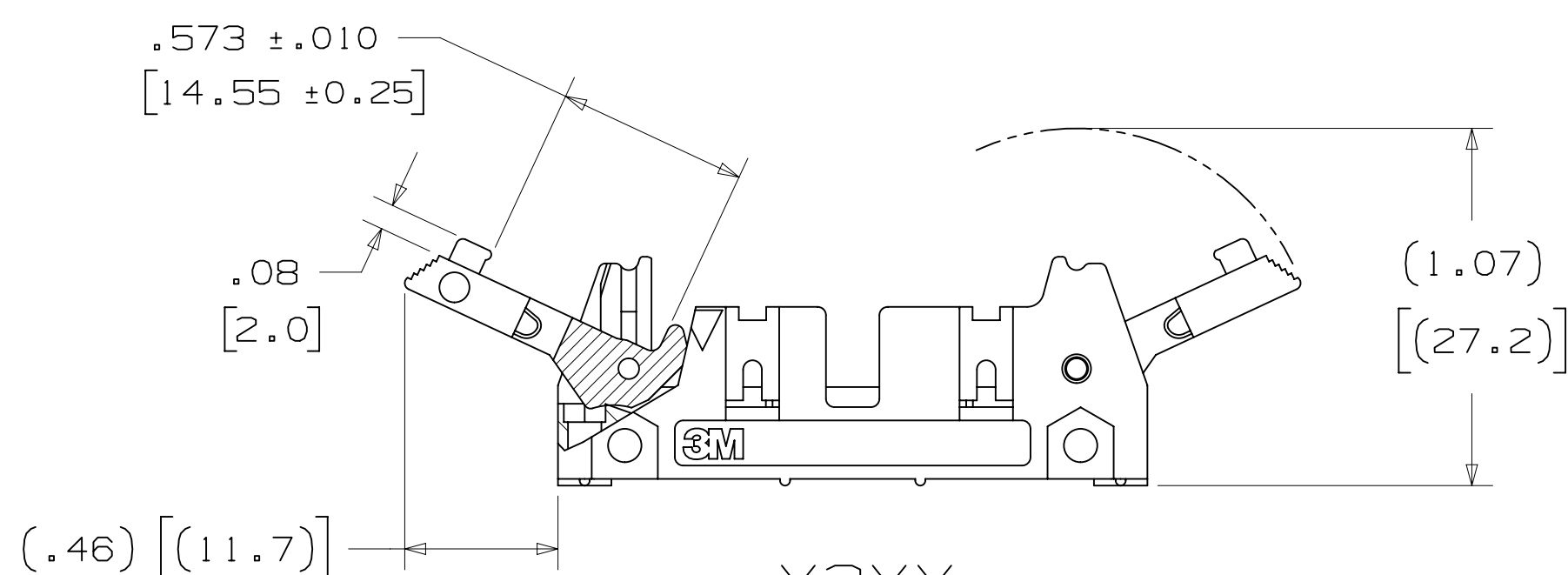
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-X0XX
HEADER WITHOUT LATCH EJECTOR



-X2XX
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-X3XX
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX-XXXXXX

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)

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

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FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

- * MILITARY (WITH 3M'S N3518 POLARIZING KEY) AND CENTERBUMP POLARIZATION.
- * LOW PROFILE.
- * OPTIONAL EJECTOR LATCHES.
- * MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- * THREE WALL SHROUD PROVIDES DESIGN FLEXIBILITY.
- * SOLDER TAIL AND WRAP TAIL OPTIONS.
- * OPTIONAL POLARIZING POSTS AVAILABLE.
- * 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: 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 :

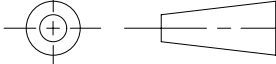
CURRENT RATING: 5.00A, 1 CONTACT POWERED
3.00A, 6 CONTACTS POWERED
1.75A, ALL CONTACTS POWERED
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM
TEMPERATURE RISE, 20% DERATED, REFERENCE APPROPRIATE
3M PRODUCT SPECIFICATION FOR DETAILED CURRENT DERATING
CURVES.

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)

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

DESIGN REFERENCE			NEXT ASSEMBLY			REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD						
ADDRESS						DRFT CASTIGLIONE		DATE AUG 05, 2014		MFG		DATE							
						CHKD		DATE		APPR. R. SCHERER		DATE SEP 05, 2014							
DIVISION			DIVISION CODE					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 written permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.									
Interconnect Solutions			EMSD																
DO NOT SCALE DRAWING			TOLERANCES EXCEPT AS NOTED																
			INCHES <table><tr><td>.0</td><td>±</td></tr><tr><td>.00</td><td>± .01</td></tr><tr><td>.000</td><td>± .005</td></tr><tr><td>.0000</td><td>±</td></tr></table>			.0	±	.00	± .01	.000	± .005	.0000	±			TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA			
.0	±																		
.00	± .01																		
.000	± .005																		
.0000	±																		
THIRD ANGLE PROJECTION			MILLIMETERS <table><tr><td>.0</td><td>± .13</td></tr><tr><td>.00</td><td>± .03</td></tr><tr><td>.000</td><td>±</td></tr></table>			.0	± .13	.00	± .03	.000	±								
.0	± .13																		
.00	± .03																		
.000	±																		
INTERPRET PER ASME Y14.5 - 2009																			
MAX SURFACE ROUGHNESS ✓ ☐ NO MAX SURFACES ☒ MARKED ONLY			ANGLE			CAGE NUMBER		SIZE		DRAWING NO.		REV.							
						D 78-5100-0771-5						H							
						MODEL		3000 SERIES		DET. LISTS ☐ YES ☒ NO		SHT 1 OF							

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UL FILE NO: E68080

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

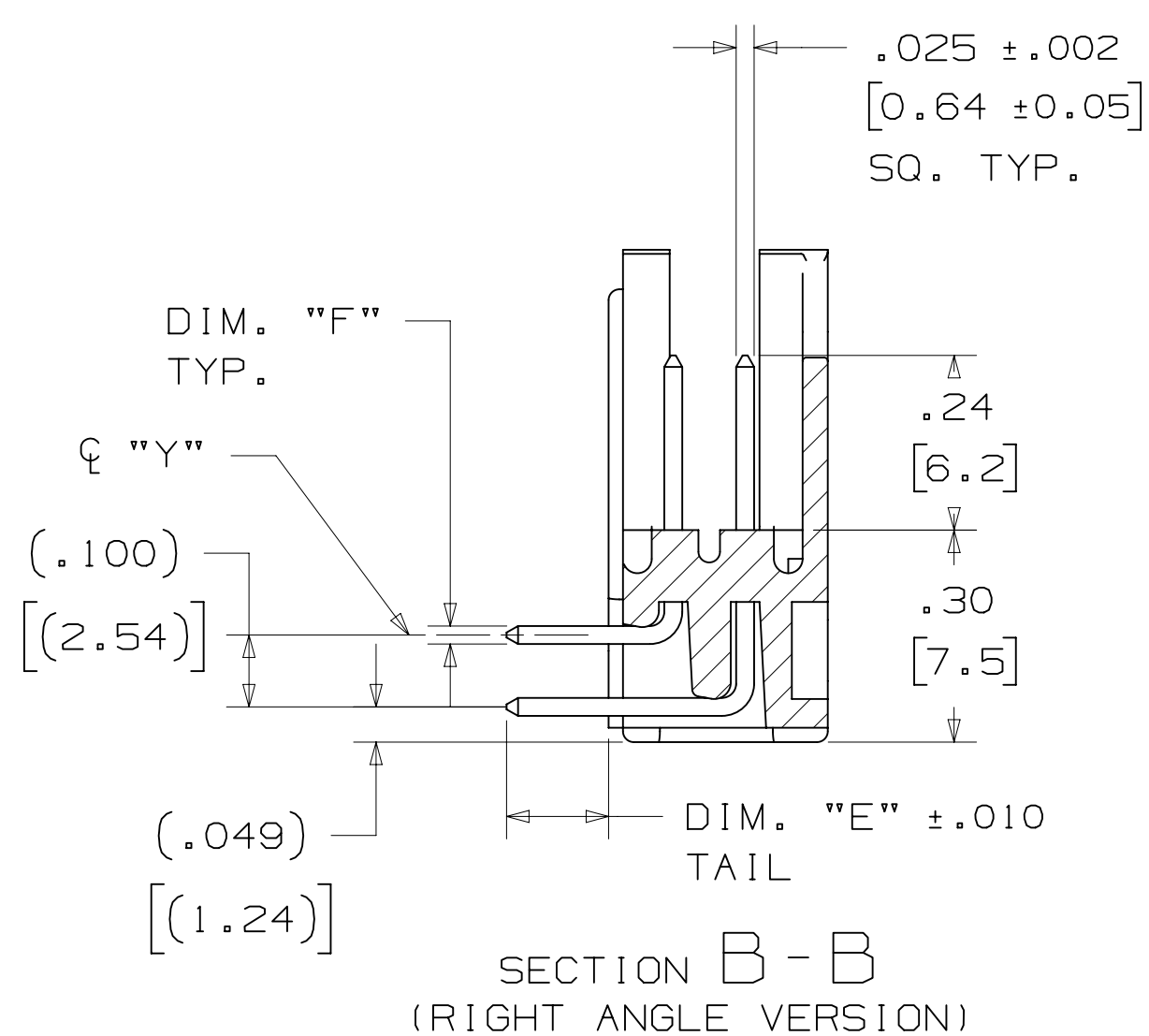
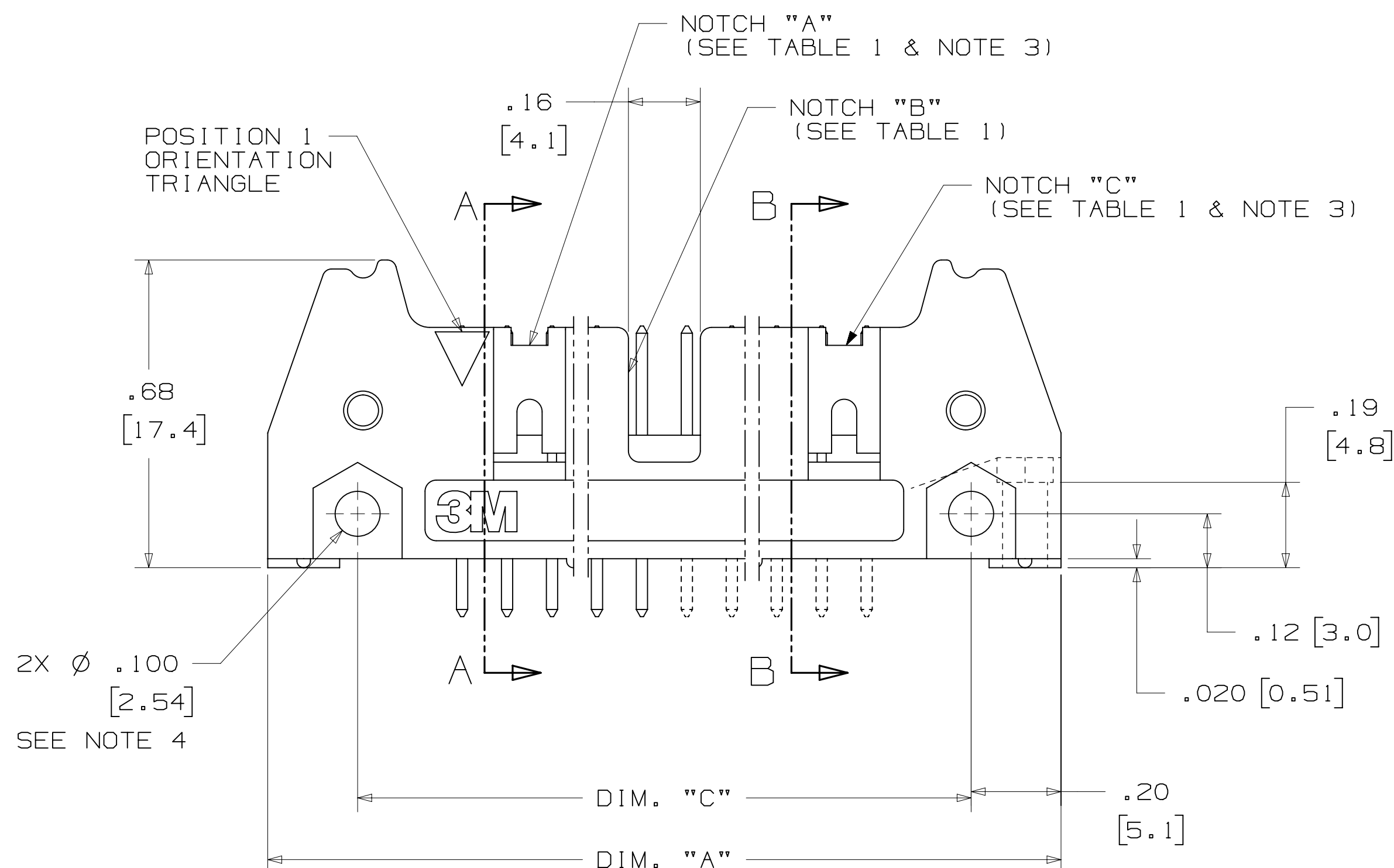
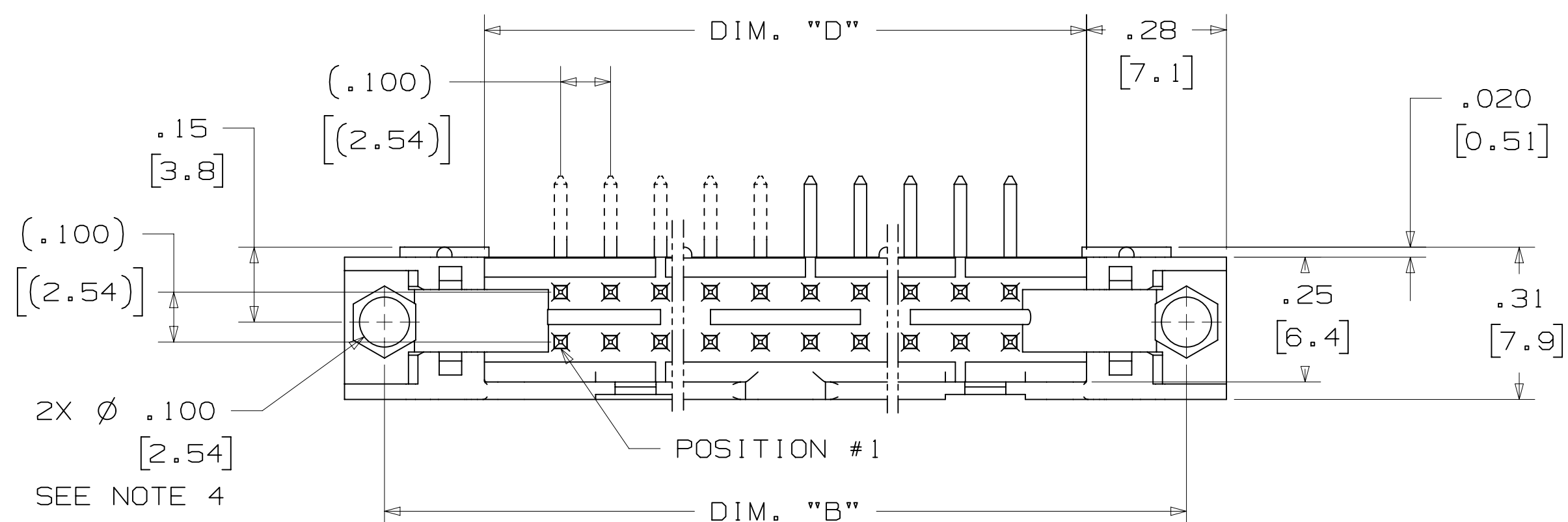


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	3428	1.76 [44.8]	1.604 [40.74]	1.365 [34.67]	1.21 [30.7]	ABC	20
26	3429	2.06 [52.4]	1.905 [48.36]	1.665 [42.29]	1.51 [38.3]	ABC	26
34	3431	2.46 [62.6]	2.305 [58.52]	2.065 [52.45]	1.91 [48.5]	ABC	34
40	3432	2.76 [70.2]	2.605 [66.14]	2.365 [60.07]	2.21 [56.1]	ABC	40
50	3433	3.26 [82.9]	3.105 [78.84]	2.865 [72.77]	2.71 [68.8]	ABC	50
60	3372	3.76 [95.6]	3.605 [91.54]	3.365 [85.47]	3.21 [81.5]	ABC	60
64	3764	3.96 [100.7]	3.805 [96.62]	3.565 [90.55]	3.41 [86.6]	ABC	64

TABLE 2						
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"	PIN CROSS SECTION			DIM. "G"
-1XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	DIM. "F"	DIAGONALS	CORNER RADIUS	.035+/- .003 [.89] SEE NOTE 5
-2XX2			.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	
-1X03	.094 [2.39] TO .125 [3.18] THICK PC BOARD	.155 [3.94]	.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	.035+/- .003 [.89]
-2X03						



H	60056	MAR 06, 2015		JNC	RS	
		REVISED ORDERING NUMBER				
G	56068	AUG 05, 2014			JNC	RS
		REVISED AND REDRAWN				
REV	ECO	ISSUE DATE AND DESCRIPTION			DRFT	CHKD
DRFT CASTIGLIONE		DATE	AUG 05, 2014	MFG	DATE	
CHKD	DATE		APPROVAL BY	SCHEERER	DATE	SEP 05, 2014
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TITLE						
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA						
CAGE NUMBER		SIZE	DRAWING NO.			REV.
D			78-5100-0771-5			H
MODEL	3000 SERIES		DET. STS	EYES ☒ NO	SHT 2 OF 4	

DESIGN REFERENCE		NEXT ASSEMBLY	
ADDENDS			
DIVISION		DIVISION CODE	
Interconnect Solutions		EMSD	
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$\frac{\text{SCALE}}{1}$		INCHES	
		.00 ± .00 .000 ± .00 .0000 ± .00	
THIRD ANGLE PROJECTION		MILLIMETERS	
INTERPRET PER ASME Y14.5 - 2009		0 ± .00 .00 ± .03 .00 ± .12 .000 ± .00	
MAX SURFACE ROUGHNESS ☒ MAX SURFACES ☐ MARKED ONLY		ANGLE	

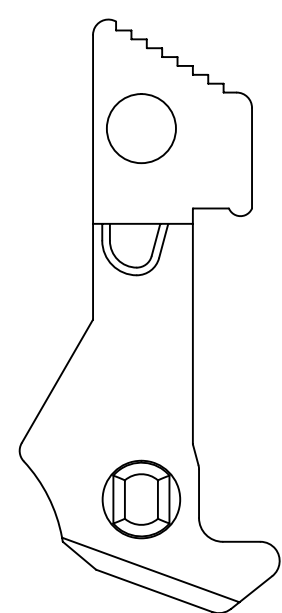
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

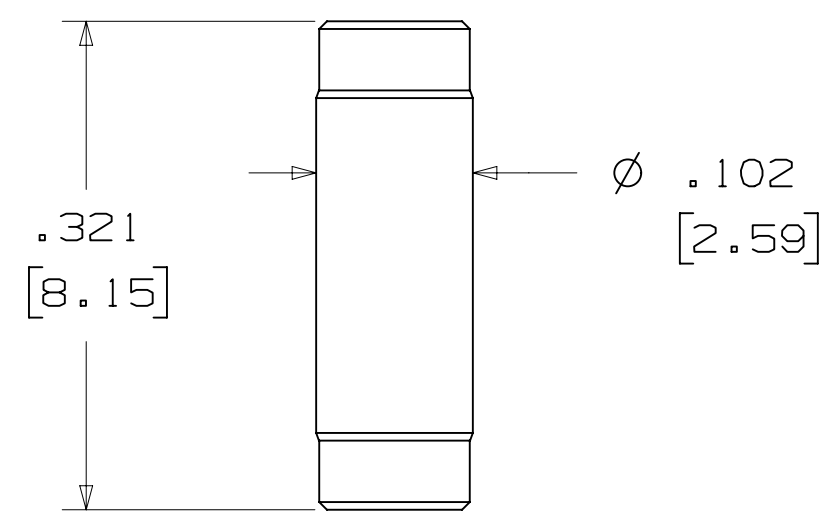
```
* SELECTIVE PIN REMOVAL (ATA OR OTHER COMPATABILITY)
* WIRE WRAP TAILS STYLE
```



SHORT


 (.03)
 [(0.8)]
 TYP.

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



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

2500 & 3000 SERIES SHROUDED HEADER					
TOTAL NO. OF PINS	NO. OF TAILS KINKED	POSITIONS KINKED			
10	4	3	4	7	8
14	4	3	4	11	12
16	4	3	4	13	14
20	4	3	4	17	18
26	4	3	4	23	24
34	4	7	8	27	28
40	4	7	8	33	34
50	4	7	8	43	44
60	4	11	12	49	50
64	4	11	12	53	54

KINKED TAIL DETAIL:

- KINK IS LOCATED .05" BELOW BOTTOM SURFACE OF PLASTIC.
- EXTERNAL RADIUS OF KINK TOWARD PART CENTERLINE.

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

Top View:

- The top view shows a circular tab with the "3M" logo.
- A dimension of $.34$ [8.5] is indicated for the diameter of the tab.
- A dimension of $.15$ [3.8] is indicated for the width of the base.

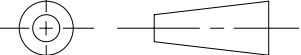
Side View:

- The side view shows the profile of the tab.
- A dimension of $.09$ [2.3] is indicated for the thickness of the tab.
- The label "DIM. 'A'" is shown at the bottom of the side view.

Labels:

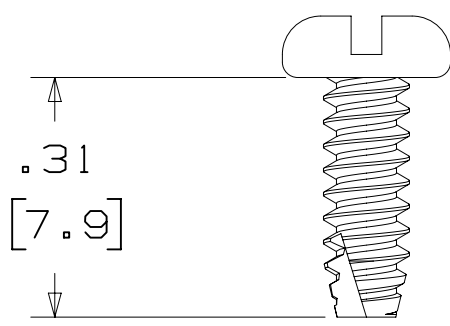
- "BREAKAWAY TAB" is labeled at the top of the drawing.

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

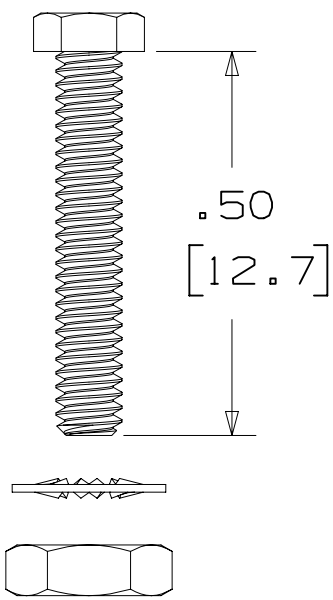
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION				DRFT		CHKD	
ACROSS				BPR		CASTIGLIONE		DATE		MFG		DATE			
				CHKD				DATE		R. SCHERER		DATE		SEP 05,2014	
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2015							
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED						TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA					
		INCHES		MILLIMETERS											
		.00 ± .01 .000 ± .005 .0000 ±		.0 ± .3 .00 ± .13 .000 ±											
THIRD ANGLE PROJECTION								CAGE NUMBER		SIZE		DRAWING NO.		REV.	
INTERPRET PER ASME Y14.5 - 2009								D		78-5100-0771-5		H			
☒ MARK SURFACE ROUGHNESS ☐ MARK SURFACES ☐ MARKED ONLY				☐ MARKED ONLY				MODEL		3000 SERIES		DET. LISTS ☐ YES ☒ NO		SHT 3 OF 4	

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

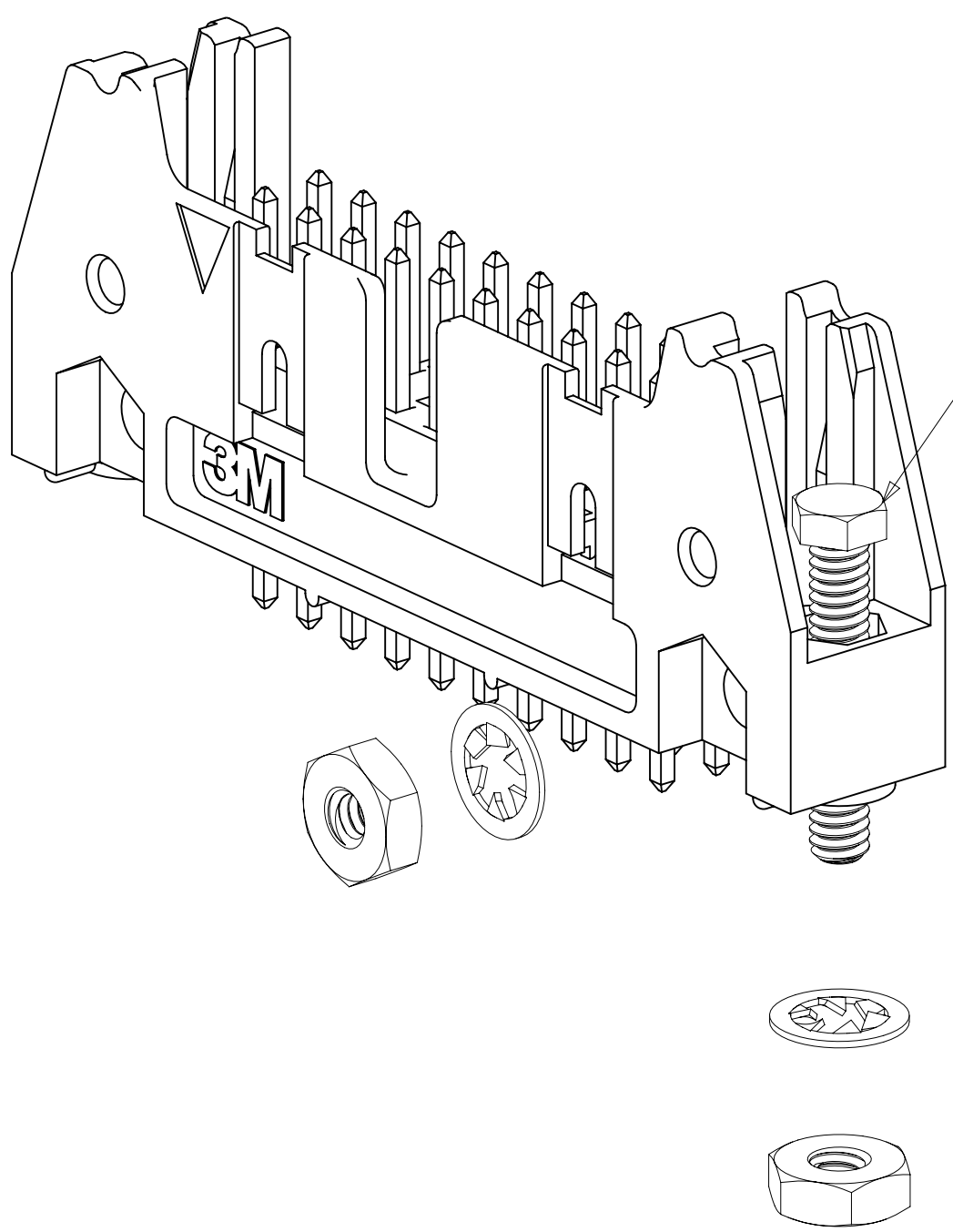
MOUNTING HARDWARE



3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL B6
MATERIAL: STAINLESS STEEL

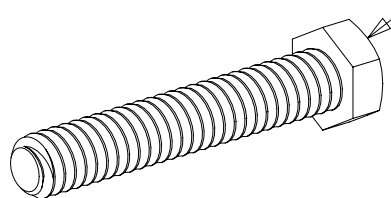


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL

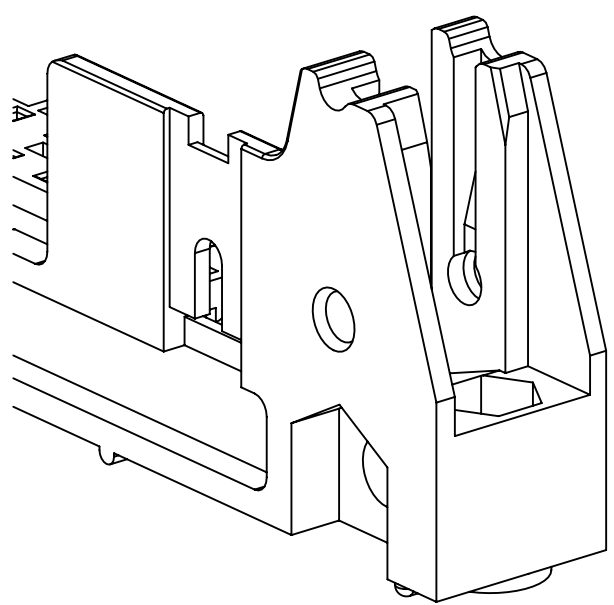


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

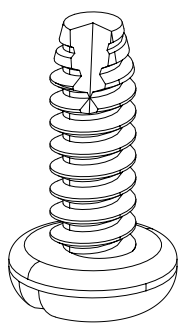
RIGHT ANGLE VERSION INSTALL



3341-6
#2-56 NUT AND BOLT
TORQUE FOR EACH BOLT: 1.25 - 3.125 INCH LBS.



#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.



3341-5

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF		XREF		DR	CHKD	DATE	DATE	DATE	DATE
				CASTIGLIONE		AUG 05, 2014	MFG		
							R. SCHERER	SEP 05, 2014	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015					
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THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		TITLE					
		INCHES		HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA					
		MILLIMETERS							
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		CAGE NUMBER					
		SURFACES		SIZE					
		MARKED ONLY		DRAWING NO.					
				MODEL					
				3000 SERIES					
				DET					
				YES NO					
				SHT 4 OF 4					