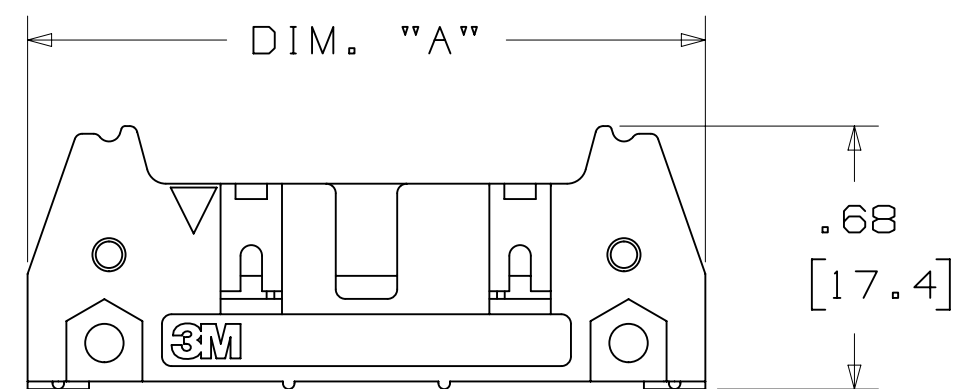
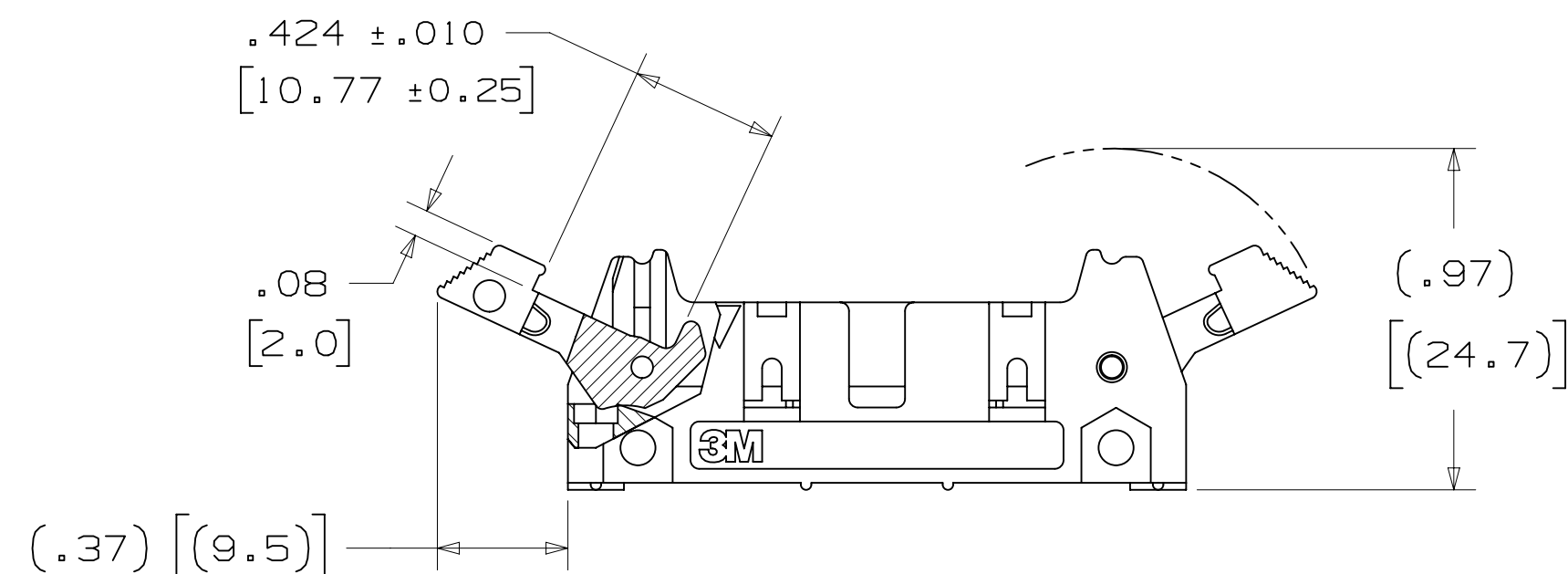


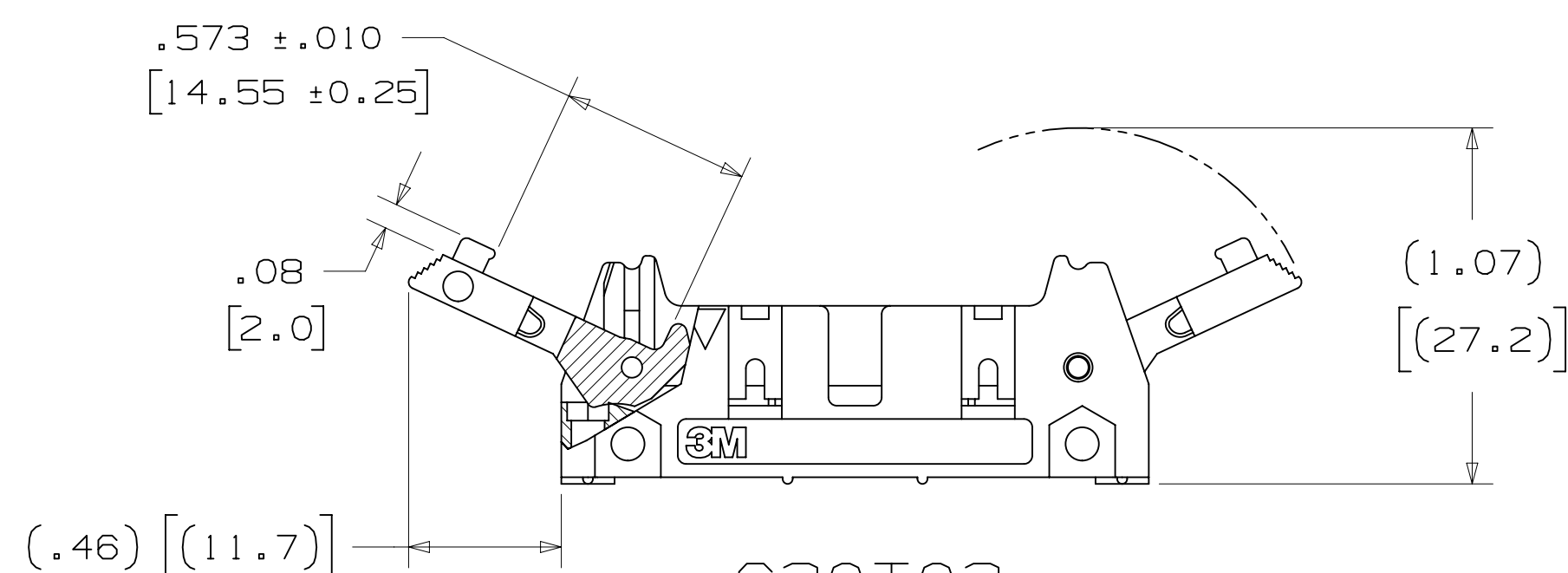
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



-600T02
HEADER WITHOUT LATCH EJECTOR



-620T02
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-630T02
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

X XXXX-6X0T02XX

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 WITH MATTE TIN TAILS
(APP. E1 & C1 APPLY)

TC = 30μ" [0.76μm] GOLD WITH TIN LEAD TAILS
(APP. E2 & C2 APPLY)

2 PHYSICAL :

INSULATOR: MATERIAL: GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
COLOR: BLACK
CONTACT: MATERIAL: COPPER ALLOY
PLATING: UNDER PLATING: 100μ" [2.54μm] NICKEL
WIPING AREA: 30μ" [0.76μm] AVG. GOLD
SOLDER TAILS: 100μ" [2.54μm] TIN LEAD OR 300μ" [7.62μm] MATTE TIN
(SEE ORDERING INFORMATION)
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING: 1A
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

- * MILITARY WITH 3M'S N3518 POLARIZING KEY)
- AND CENTERBUMP POLARIZATION.
- * OPTIONAL EJECTOR LATCHES.
- * MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- * DEPENDABLE EYE-OF-THE-NEEDLE PIN DESIGN.
- * OPTIONAL POLARIZING POSTS AVAILABLE.
- * HIGH TEMPERATURE INSULATOR.

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

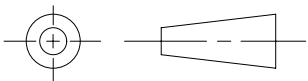
3 NOTCHES A & C WILL ACCOMODATE
3M POLARIZING KEY: N3518.

4 MOUNTING HARDWARE:
 REAR ENTRY:
 #4-24 THREAD CUTTING SCREW
 (3M PART #3341-5) WITH
 Ø .116 [2.95] MOUNTING HOLE.
 FRONT ENTRY:
 (PRIOR TO INSTALLATION OF LATCH
 #2-56 BOLT AND NUT (3M PART
 #3341-6) WITH Ø .106 [2.69]
 MOUNTING HOLE.

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

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US
UL FILE NO: E68080

DIMENSIONS: INCHES [MM] [MM] IS REF. ONLY				E	5608E	JUL 31, 2014		JNC	RS
				REV	ECO	REVISED AND REDRAWN			
DESIGN REFERENCE NEXT ASSEMBLY				REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ADDEND CODES				DRF	CASTIGLIONE	DATE	MFG	DATE	
				DRF	CASTIGLIONE	JUL 31, 2014			
				CHKD		DATE	APPRV	SEP 05, 2014	
							R. SCHERER		
DIVISION				DIVISION CODE					
Interconnect Solutions				EMSD					
DO NOT SCALE DRAWING		SCALE 2 1	TOLERANCES EXCEPT AS NOTED		 3M Center St. Paul, MN 55144				
			INCHES .0 ± .01 .000 ± .005 .0000 ±		This document and its information are the property of 3M property and may not be reproduced or further distributed without the prior written consent or approval of 3M. All rights reserved.				
THIRD ANGLE PROJECTION			MILLIMETERS		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR COMPLIANT PIN				
INTERPRET PER ASME Y14.5 - 2009			.0 ± .3 .00 ± .13 .000 ±		CAGE NUMBER D78-5100-0478-7 E				
MAX. SURFACE ROUGHNESS			.0 ± .3 .00 ± .13 .000 ±		ISIZE DRAWING NO. D78-5100-0478-7 E				
☒ MARKED SURFACES ☐ UNMARKED SURFACES			ANGLE ±		MODEL 3000 SERIES				
					DET. LISTS ☐ YES ☒ NO				
					SHT 1 OF				

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3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN

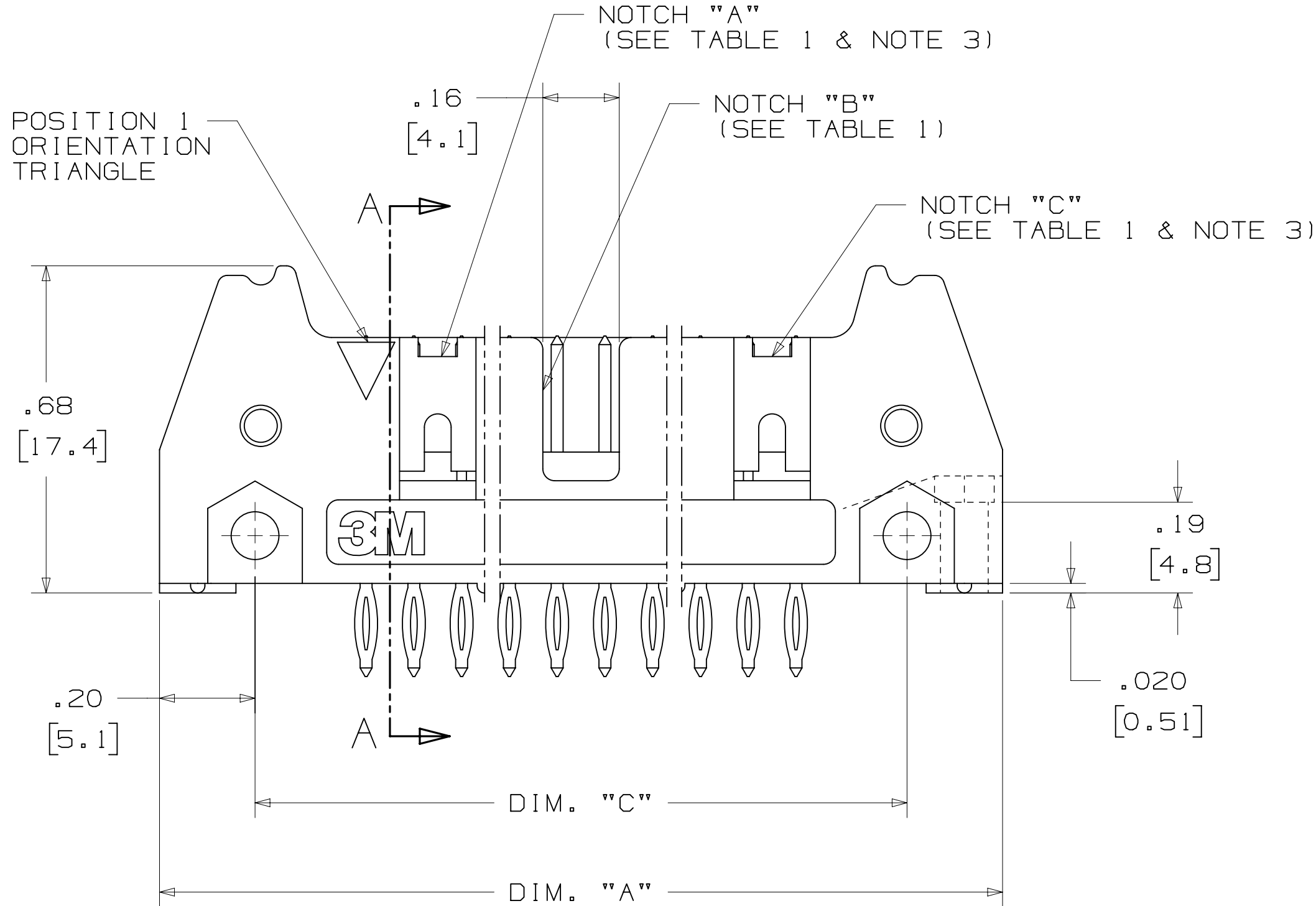
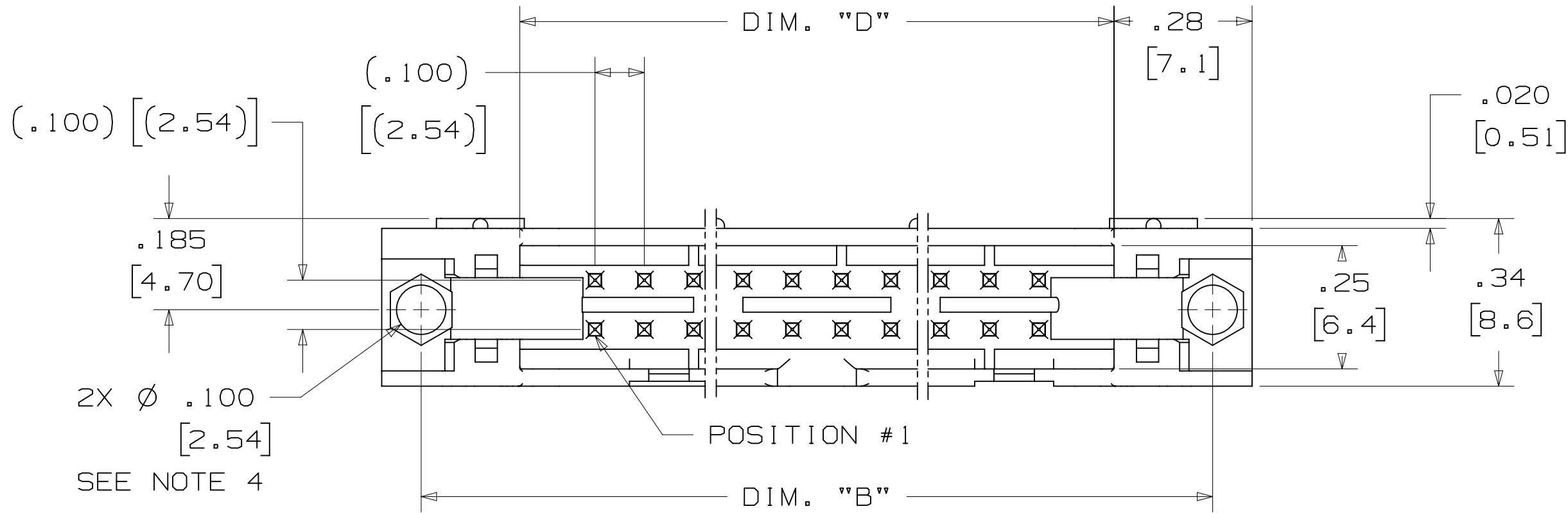
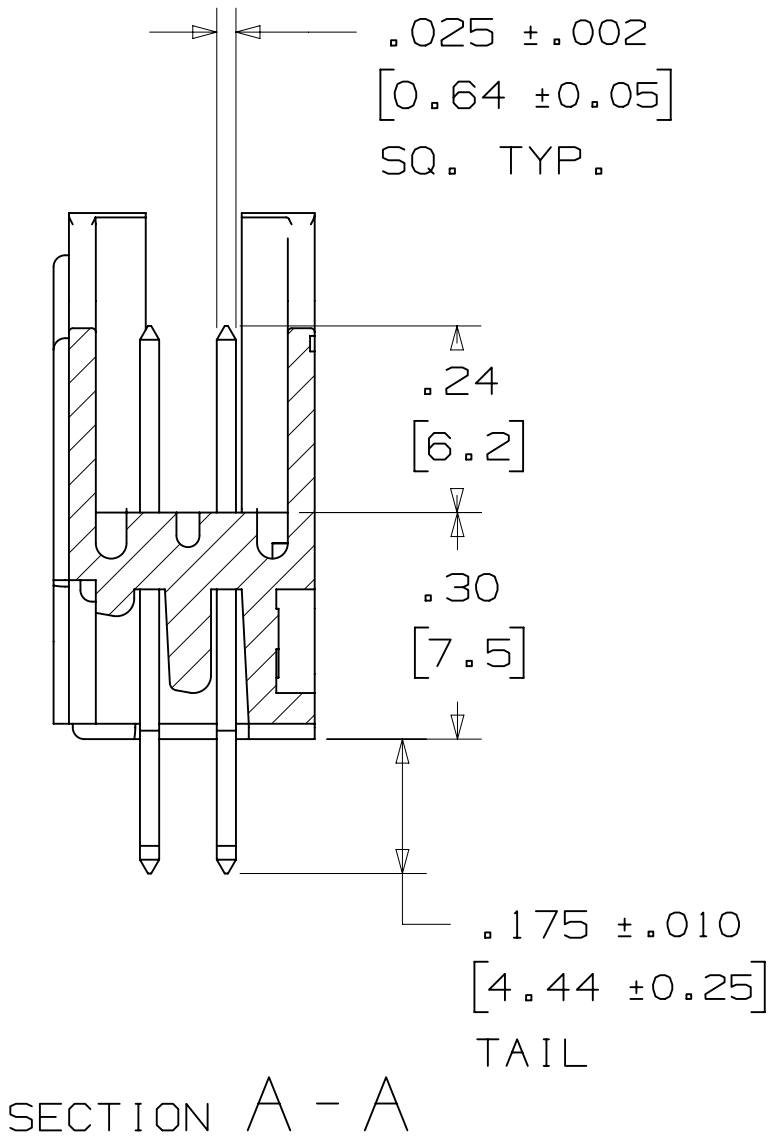
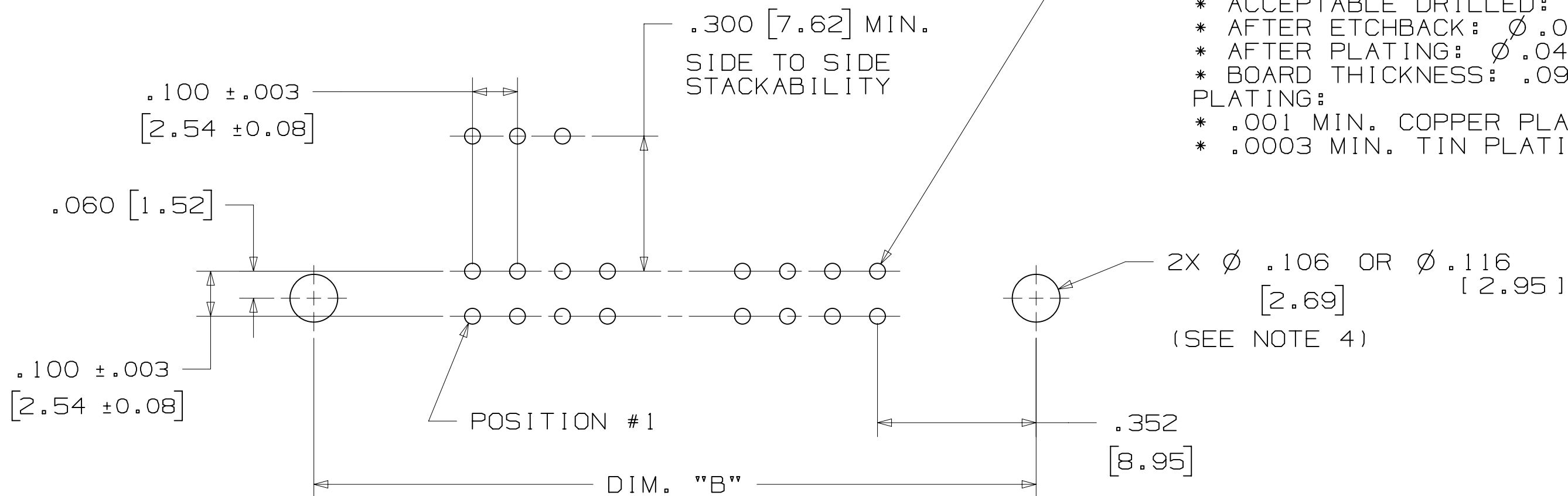


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	3442-0050	16
20	3428	1.76 [44.8]	1.604 [40.74]	1.365 [34.67]	1.21 [30.7]	ABC	3442-0051	20
24	3627	1.96 [49.9]	1.805 [45.82]	1.565 [39.75]	1.41 [35.8]	ABC	3442-0052	24
26	3429	2.06 [52.4]	1.905 [48.36]	1.665 [42.29]	1.51 [38.3]	ABC	3442-0053	26
30	3440	2.26 [57.5]	2.105 [53.44]	1.865 [47.37]	1.71 [43.4]	ABC	3442-0054	30
34	3431	2.46 [62.6]	2.305 [58.52]	2.065 [52.45]	1.91 [48.5]	ABC	3442-0055	34
40	3432	2.76 [70.2]	2.605 [66.14]	2.365 [60.07]	2.21 [56.1]	ABC	3442-0056	40
50	3433	3.26 [82.9]	3.105 [78.84]	2.865 [72.77]	2.71 [68.8]	ABC	3442-0057	50
60	3372	3.76 [95.6]	3.605 [91.54]	3.365 [85.47]	3.21 [81.5]	ABC	3442-0058	60
64	3764	3.96 [100.7]	3.805 [96.62]	3.565 [90.55]	3.41 [86.6]	ABC	3442-0059	64

ASSEMBLY EQUIPMENT:
USE 3442-00XX PLATEN (SEE TABLE #1) AND APPROPRIATE COMMERCIAL ARBOR PRESS
TO PRESS HEADER INTO PC BOARD.

DESIGN REFERENCE		NEXT ASSEMBLY		E 56068		JUL 31,2014		JNC		RS	
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD			
XREF CODES		DPR CASTIGLIONE		DATE JUL 31,2014		MFG DATE					
CHKD		DATE		APPRV R. SCHERER		DATE SEP 05,2014					
DIVISION Interconnect Solutions		DIVISION CODE EMSD		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2015 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 4 1		TOLERANCES EXCEPT AS NOTED		INCHES .0 ±.01 .000 ±.005 .0000 ±					
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ±		CAGE NUMBER D78-5100-0478-7		REV. E			
MAX SURFACE ROUGHNESS 12.5 SURFACES		MARKED ONLY		MODEL 3000 SERIES		DET LISTS		YES X NO		SHT 2 OF 4	

3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



RECOMMENDED MOUNTING HOLE PATTERN

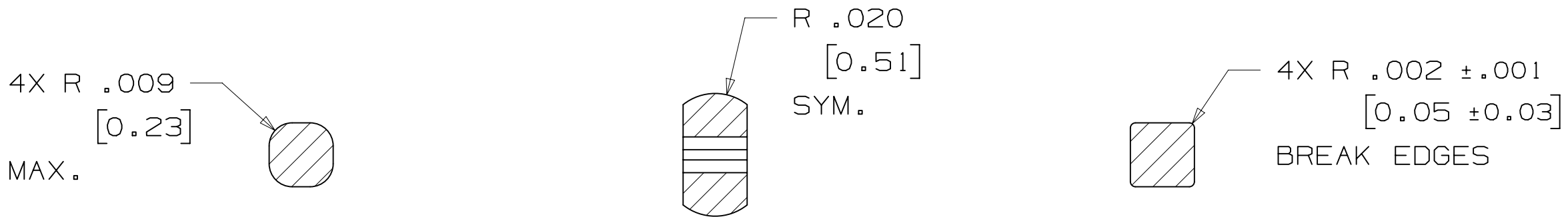
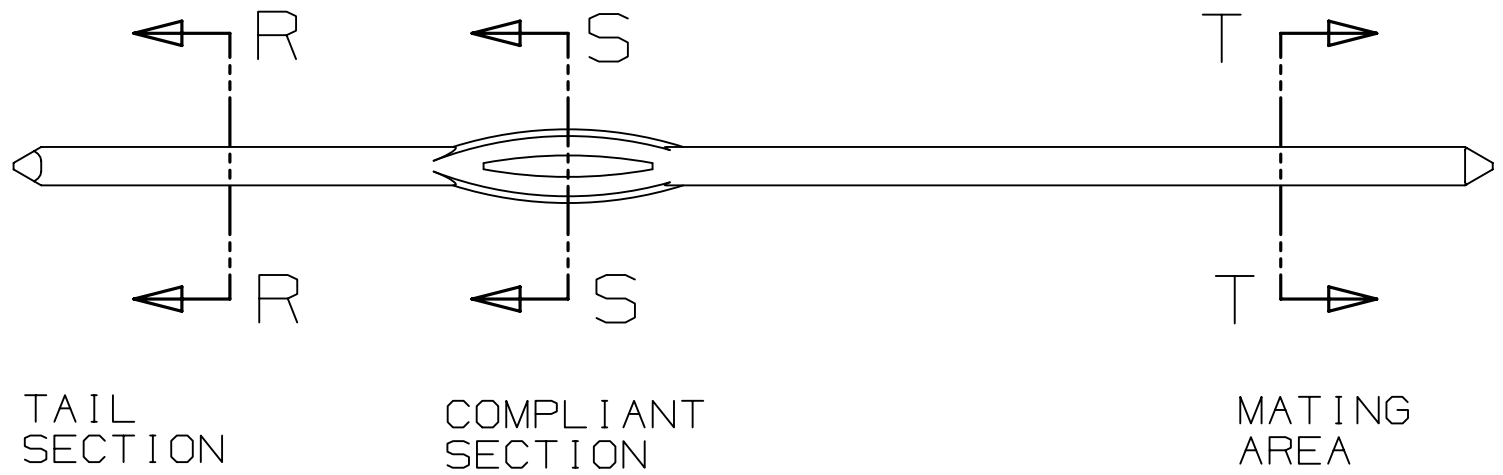
NOTE:
PCB HOLE SIZES AND TOLERANCES RECOMMENDED FOR USE WITH 3M'S COMPLIANT PIN HEADER. THE INSERTION FORCE IS DESIGNED NOT TO EXCEED 40 POUNDS PER PIN AND THE WITHDRAWAL FORCE IS NOT LESS THAN 10 POUNDS PER PIN.

HOLE SIZE FOR:

- * PREFERRED DRILLED: $\varnothing .0453 \pm .0005$
- * ACCEPTABLE DRILLED: $\varnothing .0453 \pm .0005 / -.0010$
- * AFTER ETCHBACK: $\varnothing .0460$ MAX.
- * AFTER PLATING: $\varnothing .040 \pm .003$
- * BOARD THICKNESS: $.093$ TO $.150$

PLATING:

- * $.001$ MIN. COPPER PLATING THICKNESS
- * $.0003$ MIN. TIN PLATING



SECTION R-R SECTION S-S SECTION T-T

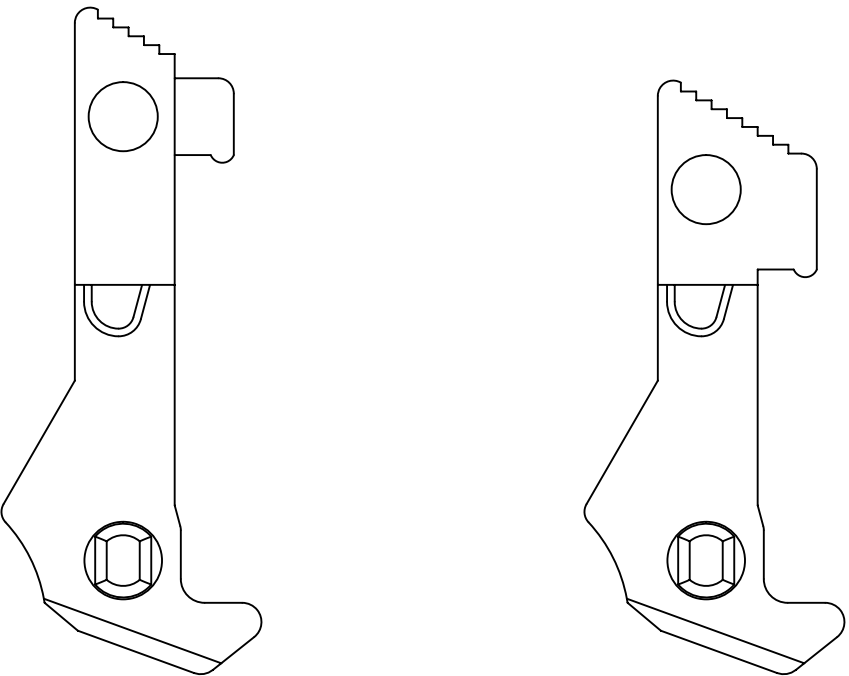
PART CUSTOMIZATION

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.

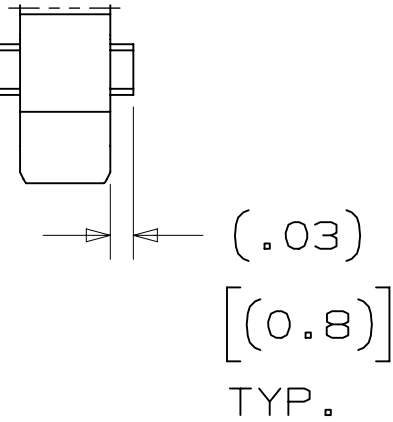
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

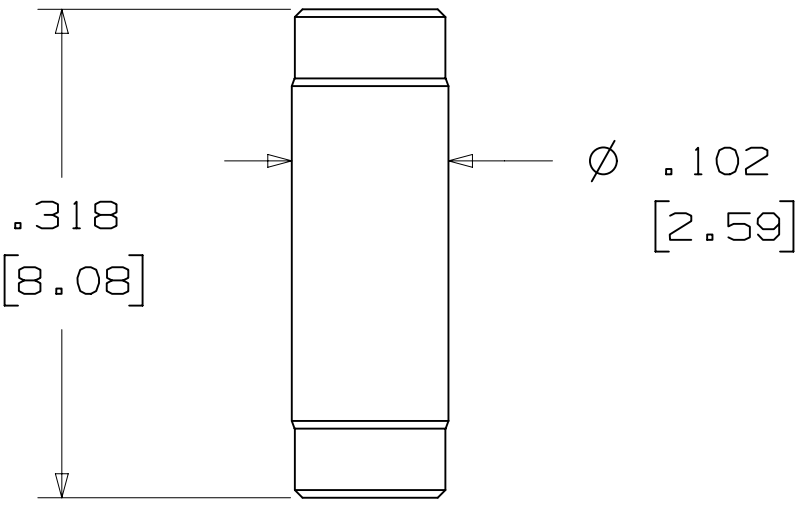


LONG SHORT
SNAP-IN LATCHES

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



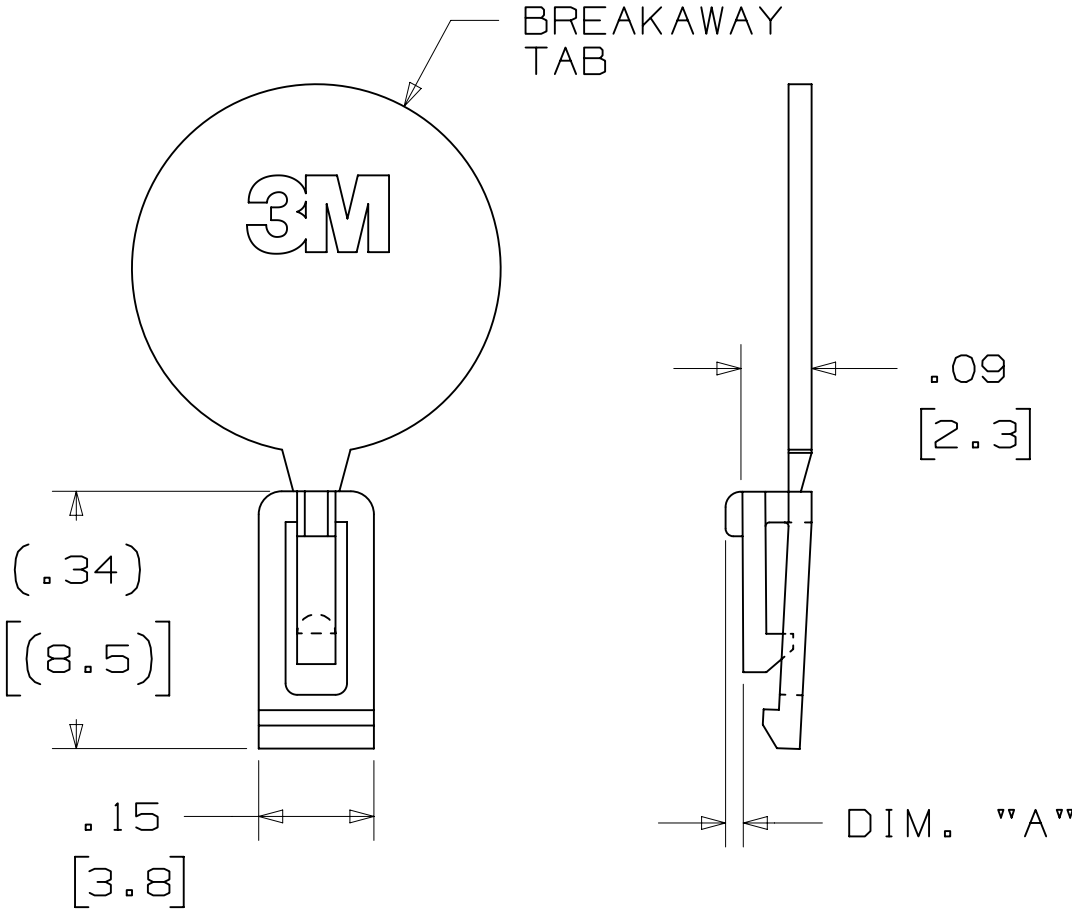
POLARIZING POST



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



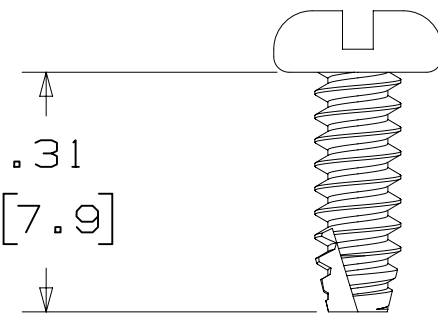
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

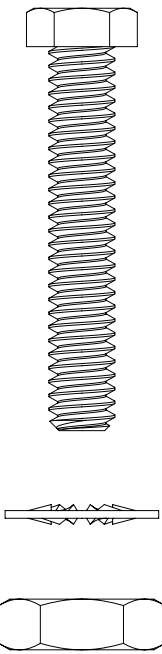
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3M CODES	3M CODES	CHKD	CHKD	DATE	DATE	DATE
DIVISION		DIVISION CODE		DATE		
Interconnect Solutions		EMSD		JUL 31, 2014		
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		
		4		INCHES		
		1		.00 $\pm$.01		
				.000 $\pm$.005		
				.0000 $\pm$		
THIRD ANGLE PROJECTION				MILLIMETERS		
INTERPRET PER ASME Y14.5 - 2009				0 $\pm$		
MAX SURFACE ROUGHNESS				.0 $\pm$.3		
SURFACES				.00 $\pm$.13		
MARKED ONLY				.000 $\pm$		
				ANGLES		
				3000 SERIES		
				DET		
				YES NO		
				SHT 3 OF 4		
				E		
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				JUL 31, 2014		
				REVISED AND REDRAWN		
				ECO		
				E 56068		
				JUL 31, 2014		
				DATE		
				MFG		
				JUL 31, 2014		
				DATE		
				R. SCHERER		
				SEP 05, 2014		
				DATE		
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				St. Paul, MN 55144		
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				TITLE		
				HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN		
				CAGE NUMBER		
				D 78-5100-0478-7		
				DRAWING NO.		
				REV.		
				E		

3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN

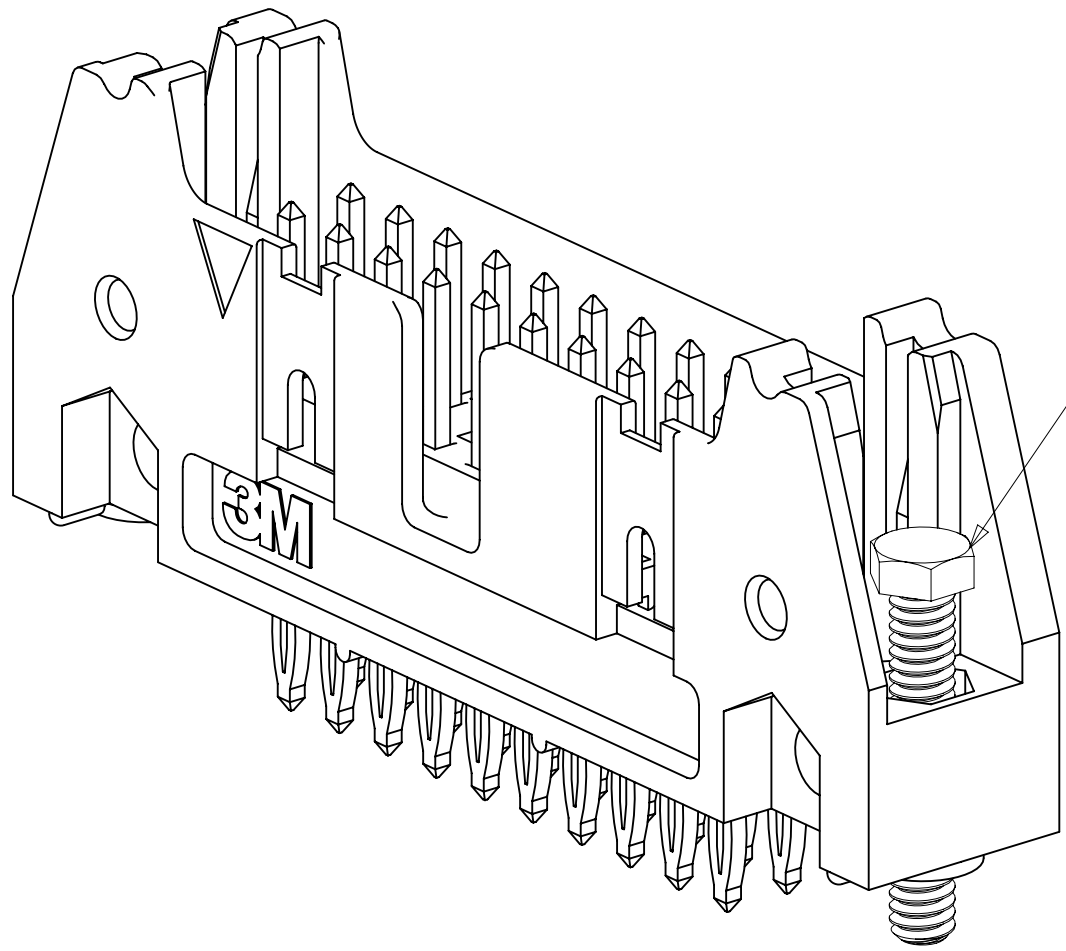
MOUNTING HARDWARE



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

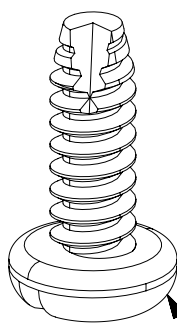
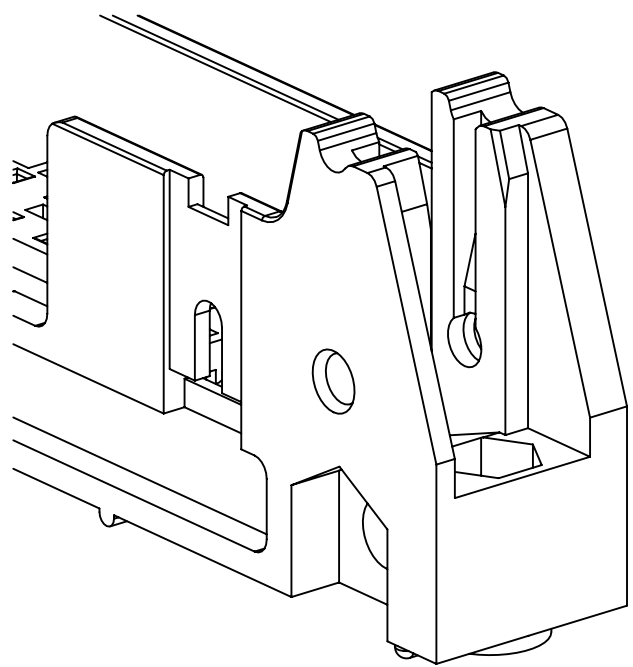


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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

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



3341-5
#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.

E		56069		JUL 31, 2014		JNC		RS	
DESIGN REFERENCE				NEXT ASSEMBLY		REVISED AND REDRAWN			
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ADDCS		CODES		CASTIGLIONE		DATE JUL 31, 2014		MFG APPR R. SCHERER	
DATE		DATE		DATE		DATE		DATE	
CHKD		DATE		DATE		DATE		DATE	
DIVISION		DIVISION CODE		APPR		DATE		DATE	
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INTERPRET PER ASME Y14.5 2009		MILLIMETERS		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR STR, COMPLIANT PIN		3M		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.	
MAX SURFACE ROUGHNESS		.00 ± .01 .000 ± .005		CAGE NUMBER		SIZE		DRAWING NO.	
✓		.00 ± .13 .000 ±		D		D78-5100-0478-7		REV.	
MARKED ONLY		.00 ± .13 .000 ±		MODEL		3000 SERIES		DET.	
LISTS		YES		NO		SHT 4 OF 4		DATE	