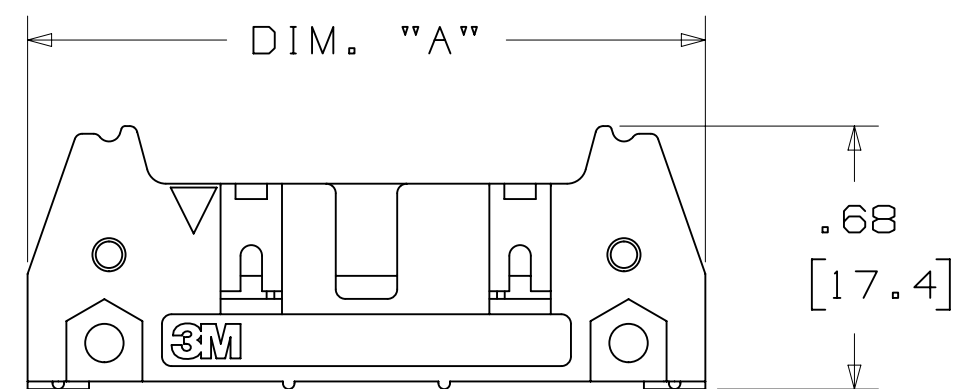
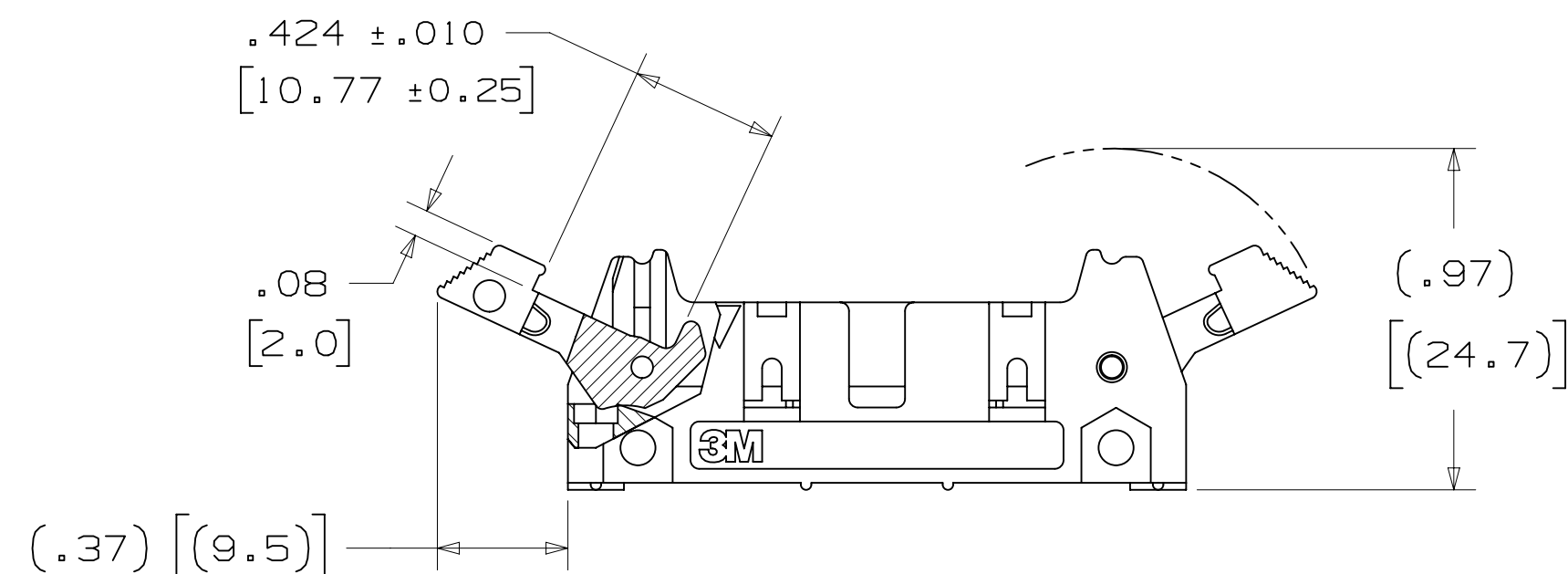


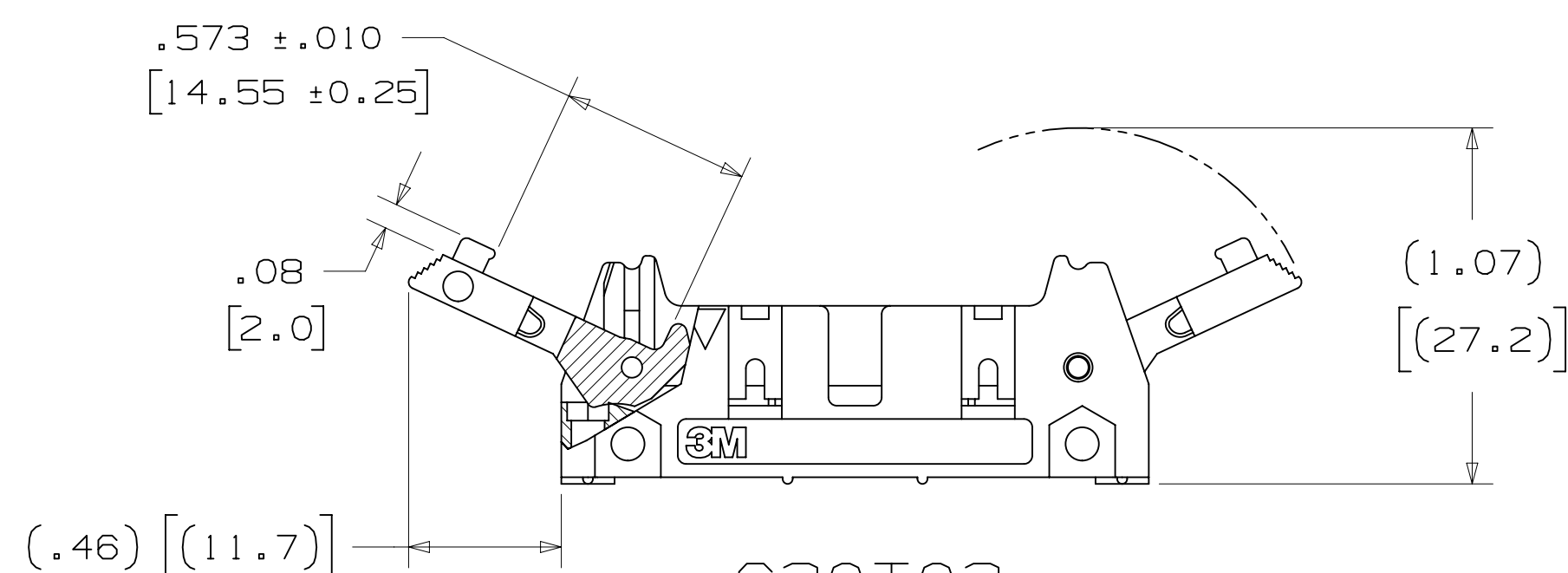
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



-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

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)

- * 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.

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

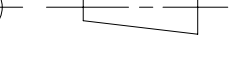
2 ENVIRONMENTAL :

TEMPERATURE RATING: -55° C TO 105° C

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

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ACCESS				DRFT		CASTIGLIONE		DATE		MFG		DATE	
				CHKD				DATE		APPRV.		DATE	
										R. SCHERER		SEP 05, 2014	
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2015					
Interconnect Solutions				EMSD				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 otherwise 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 55144					
				INCHES		3M		3M Center St. Paul, MN 55144					
THIRD ANGLE PROJECTION				.0 ± .00 ± .01 .000 ± .005 .0000 ±		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN					
INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
 MARK SURFACE ROUGHNESS SURFACES MARKED ONLY 				.0 ± .00 ± .13 .000 ±		D78-5100-0478-7		E		DET. ☒ YES ☐ NO		SHT 1 OF	
 ANGLES 				.000 ±		MODEL		3000 SERIES					

UL[®]
US
UL FILE NO: E68080

A

3M™ FOUR-WALL HEADER, 3000 SERIES

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

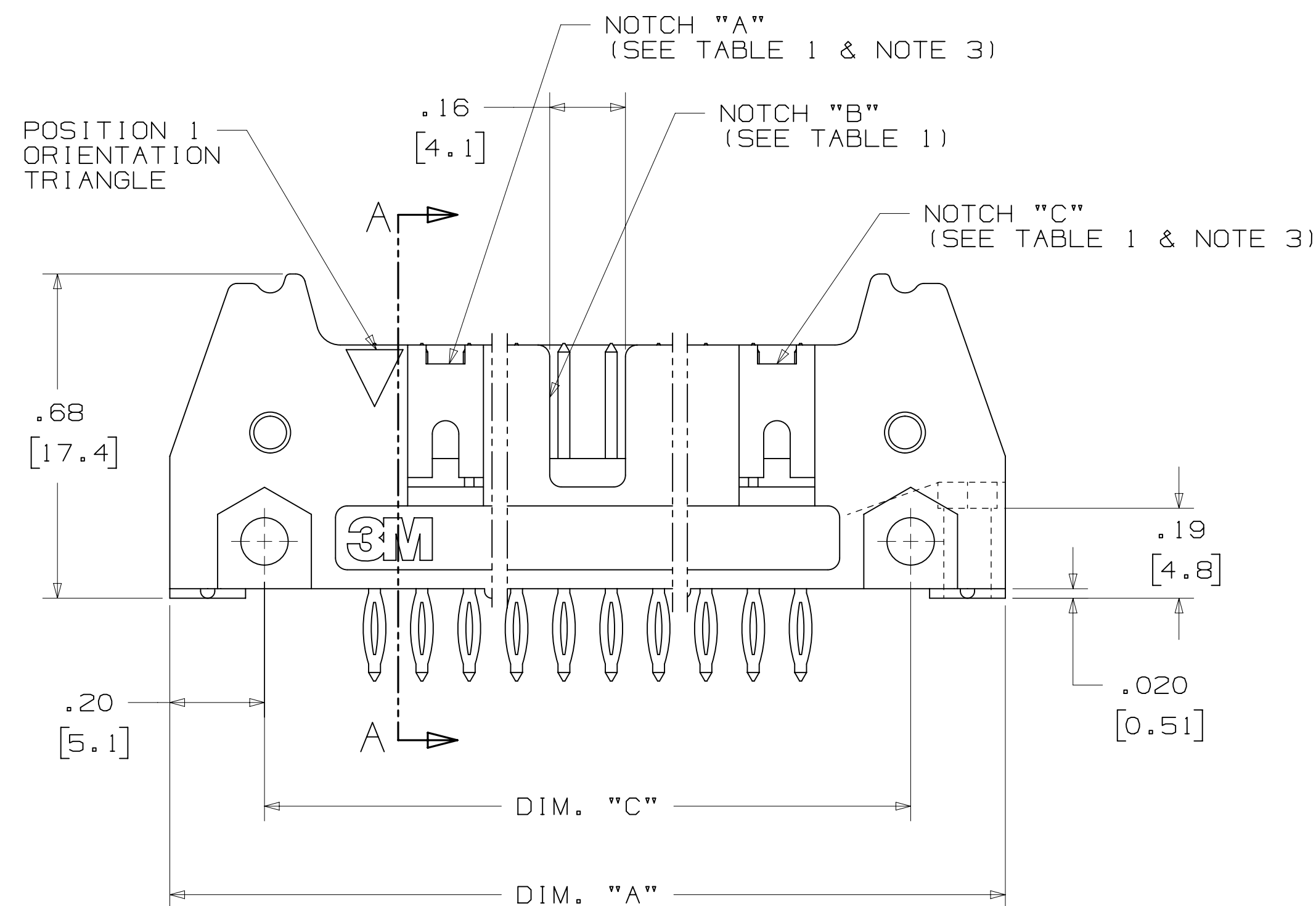
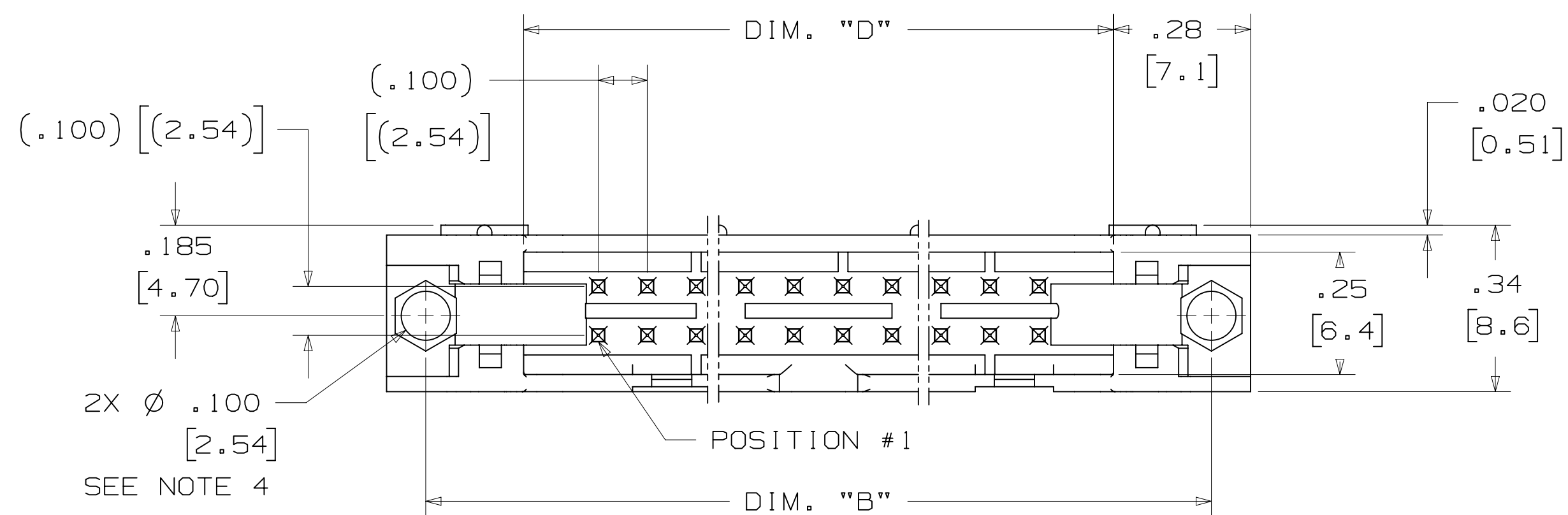
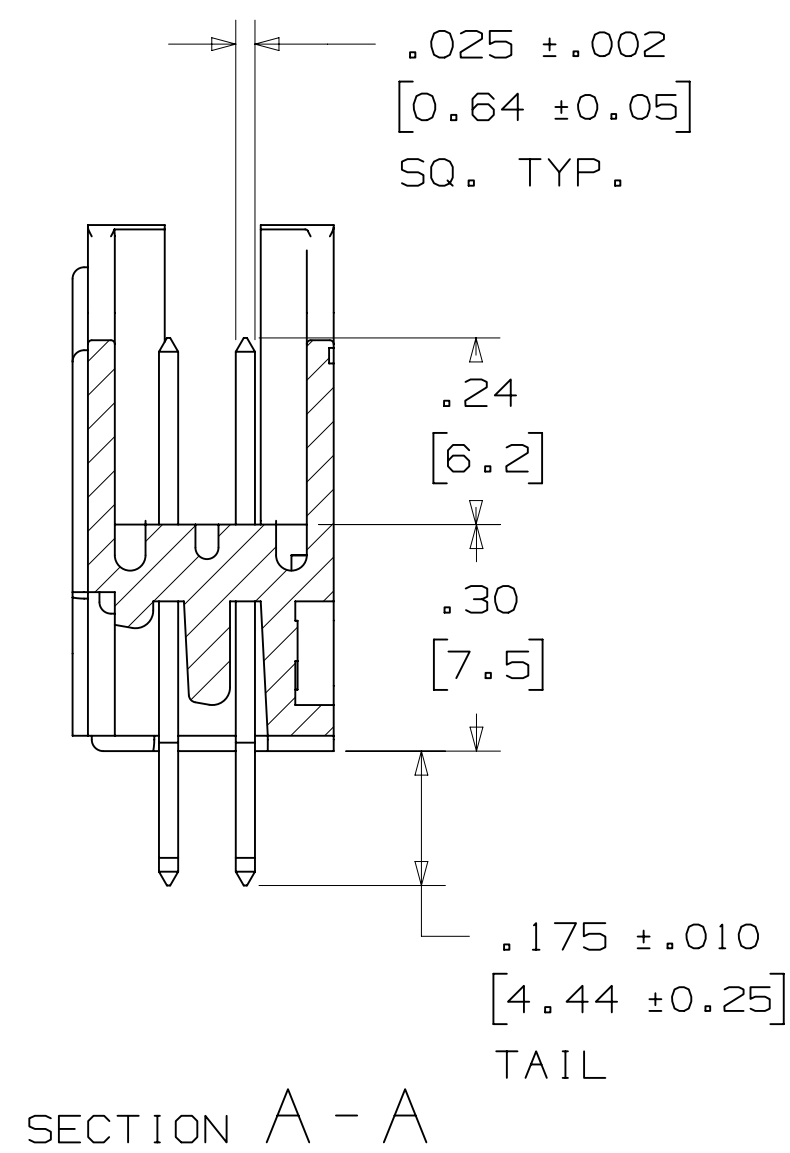


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405 [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

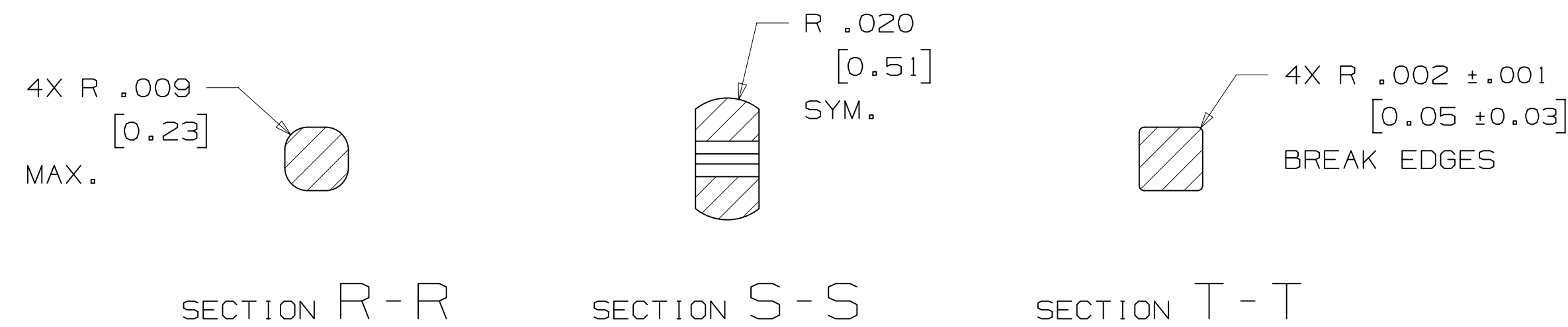
ASSEMBLY EQUIPMENT:
USE 3442-00XX PLATEN (SEE TABLE #1) AND APPROPRIATE COMMERCIAL ARBOR PRESS
TO PRESS HEADER INTO PC BOARD.

E 56068		JUL 31, 2014		JNC	RS
REVISED AND REDRAWN					
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD	
DATE	C	JUL 31, 2014	MFG	DATE	
CHWD		DATE	APPRV.	DATE	
			R. SCHERER	SEP 05, 2014	
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SCALE 4 1		TOLERANCES EXCEPT AS NOTED			
DIVISION CODE EMSD					
INCHES 0 .000 ± .01 .000 ± .005 .0000 ±		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR STR, COMPLIANT PIN			
THIRD ANGLE PROJECTION					
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 0 ± .3 0.00 ± .13 0.000 ±			
MAX SURFACE ROUGHNESS 0.8 μm SURFACES ✓ □ MARKED ONLY		CASE NUMBER SIZE D 78-5100-0478-7		REV.	
		MODEL 3000 SERIES		DET. THIS YES □ NO	
		SHT 2 OF 4			

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



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

SNAP-IN LATCHES

(.03)
[(0.8)]
TYP.

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

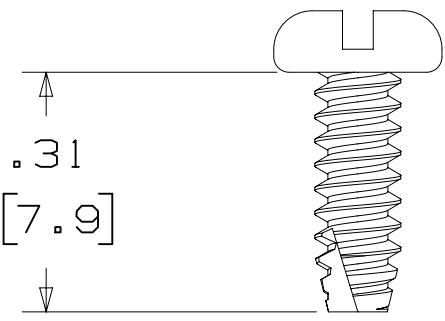
NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

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

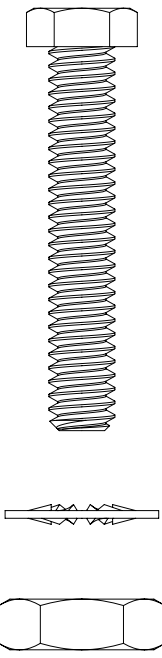
E		56068		JUL 31, 2014		JNC		RS	
REVISED AND REDRAWN									
ISSUE DATE AND DESCRIPTION		DRFT		CHKD					
REV		ECO		DATE		MFG		DATE	
CAST		CASTIGLIONE		JUL 31, 2014					
CHKD				DATE		APPRV.		DATE	
						R. SCHERER		SEP 05, 2014	
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		THIRD ANGLE PROJECTION		INCHES :0 :00 :000 :0000		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± :0 ±.3 :00 ±.13 :000 ±		CASE NUMBER SIZE DRAWING NO. D78-5100-0478-7		REV. E			
MAX SURFACE ROUGHNESS ✓ ☐ SURFACES ☐ MARKED ONLY		ANGLES		MODEL 3000 SERIES		DET. LISTS ☐ YES ☒ NO		SHT 3 OF 4	

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

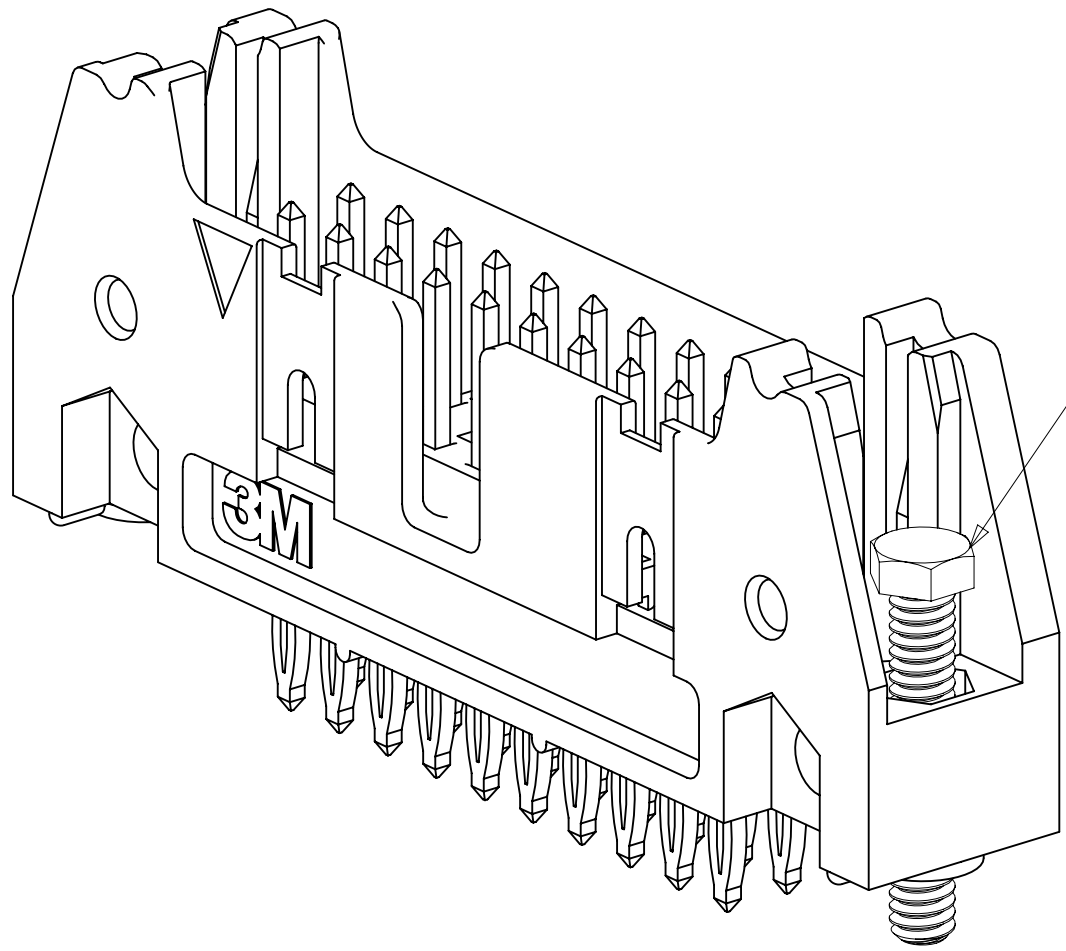
MOUNTING HARDWARE



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

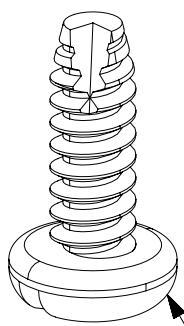
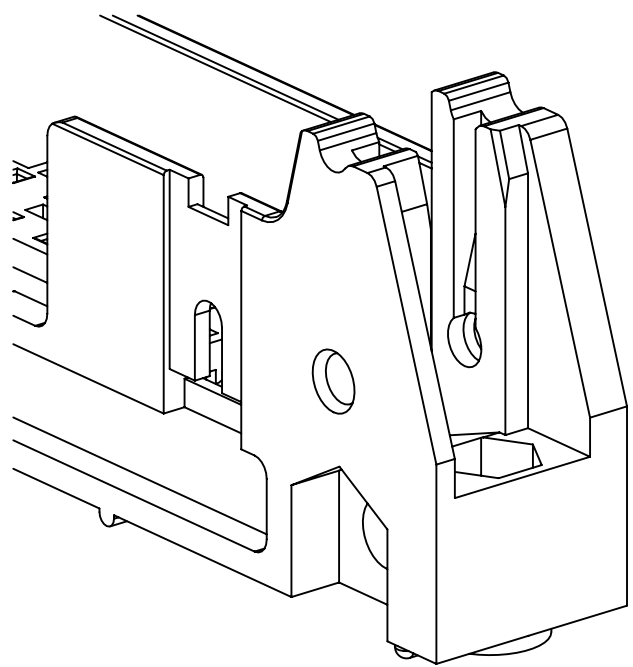


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		XREF CODES		DRP	DATE	MFG	DATE		
				CHKD	DATE	APPR	DATE		
DIVISION		DIVISION CODE		E 56068		JUL 31,2014		JNC	RS
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THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		INCHES .00 .01 .000 .0005 .0000		MILLIMETERS 0 .3 .00 .13 .000		TITLE	
MAX SURFACE ROUGHNESS		MARKED ONLY		CAGE NUMBER		SIZE		DRAWING NO.	
				D 78-5100-0478-7		E		REV.	
				MODEL		3000 SERIES		DET	
						YES		NO	
						SHT		4 OF 4	