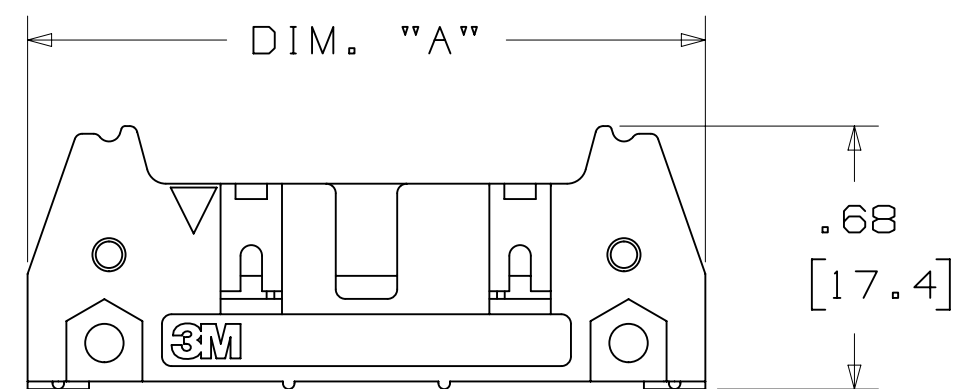
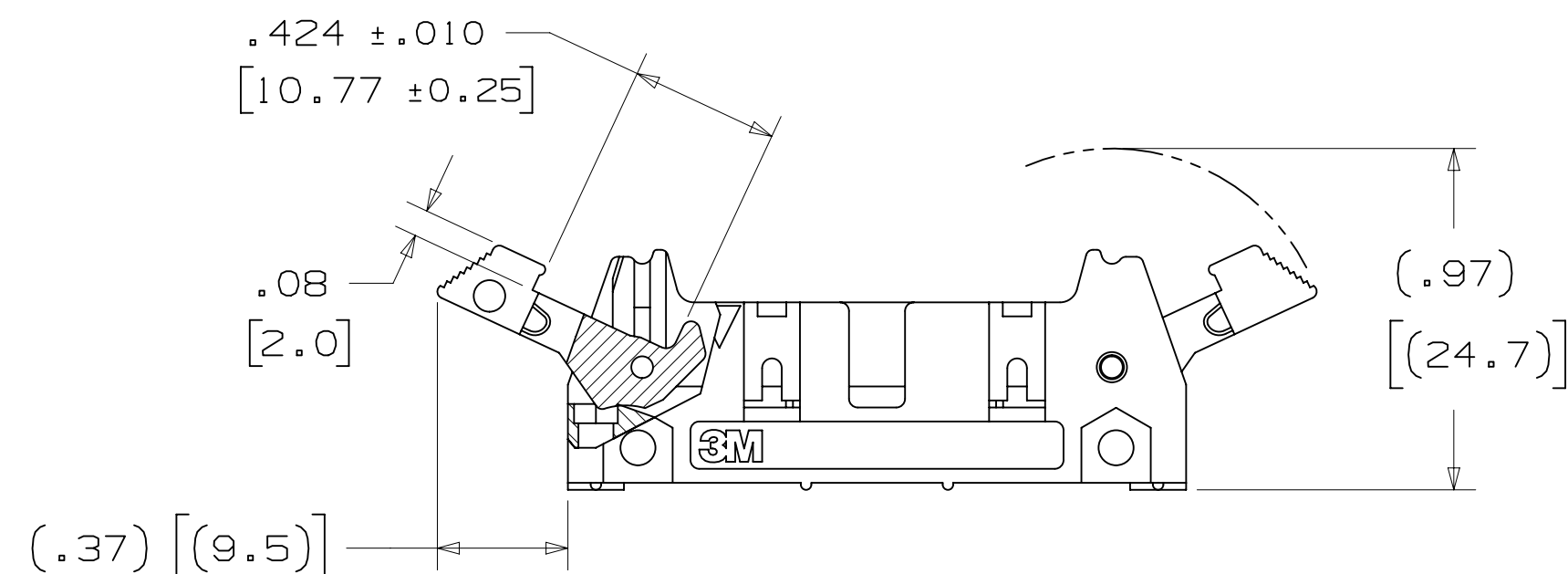


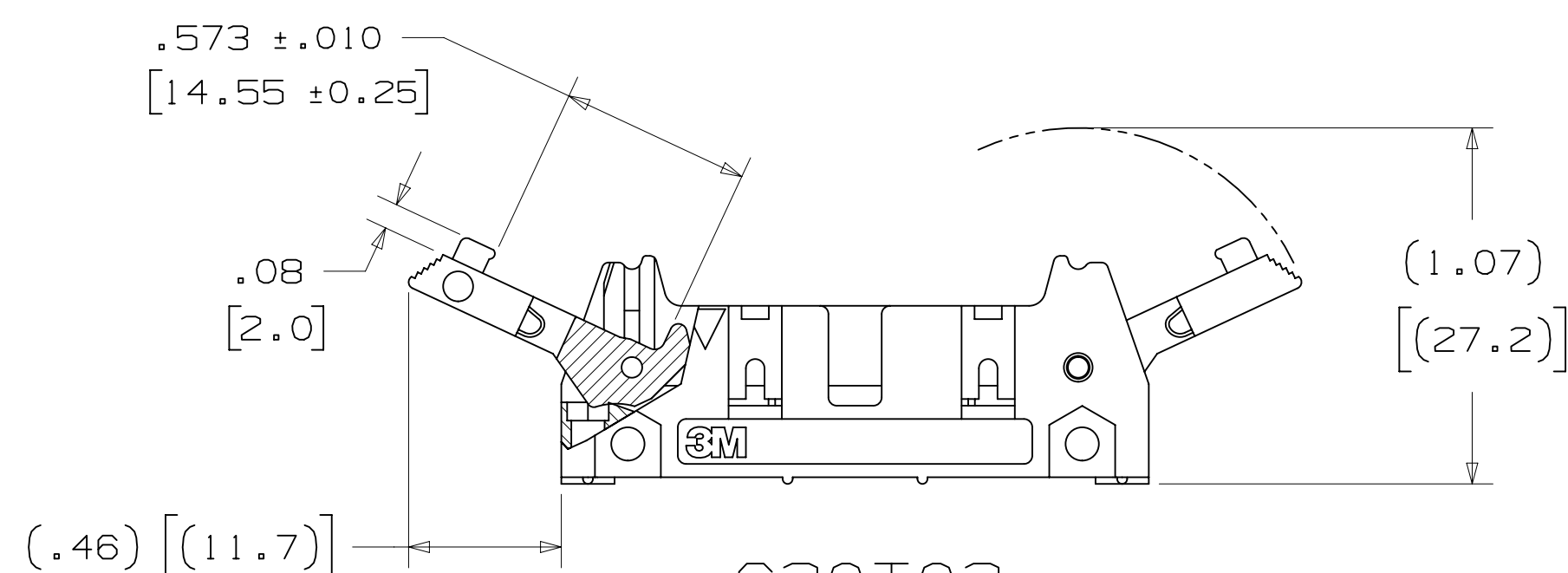
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



-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: GLASS FILLED POLYESTER (PCT)
 FLAMMABILITY: UL94V-0
 COLOR: BLACK
 CONTACT: COPPER ALLOY
 PLATING: 100 μ " [2.54 μ m] NICKEL
 UNDER PLATING: 30 μ " [0.76 μ m] AVG. GOLD
 WIPING AREA: 100 μ " [2.54 μ m] TIN LEAD OR 300 μ " [7.62 μ m] MATTE TIN
 SOLDER TAILS: (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

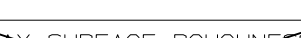
2 ENVIRONMENTAL :

TEMPERATURE RATING: -55° C TO 105° C

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INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

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DIMENSIONS: INCHES [MM] [MM] IS REF. ONLY		E 56068		JUL 31, 2014		JNC		RS	
				REVISED AND REDRAWN					
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ADDRESS		REV		DATE		MFG		DATE	
CODES		CASTIGLIONE		JUL 31, 2014					
		CHKD		DATE		APPR. R. SCHERER		SEP 05, 2014	
DIVISION		DIVISION CODE		 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2015 This document contains information that is the property of 3M and may not be reproduced or further distributed without written permission of 3M. All rights reserved.			
Interconnect Solutions		EMSD							
DO NOT SCALE SCALE 2/1		TOLERANCES EXCEPT AS NOTED							
 THIRD ANGLE PROJECTION		INCHES .0 ± .01 .000 ± .005 .0000 ±		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS .0 ± .3 .00 ± .13 .000 ±		CAGE NUMBER		DRAWING NO.			
MAX SURFACE ROUGHNESS  SURFACES		ANGLES 0.0 ± .3 0.00 ± .13 0.000 ±		D 678-5100-0478-7 E		REV.			
☒ MARKED ON ☐ MARKED ON				MODEL		SHT 1 OF			

A

3M™ FOUR-WALL HEADER, 3000 SERIES

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

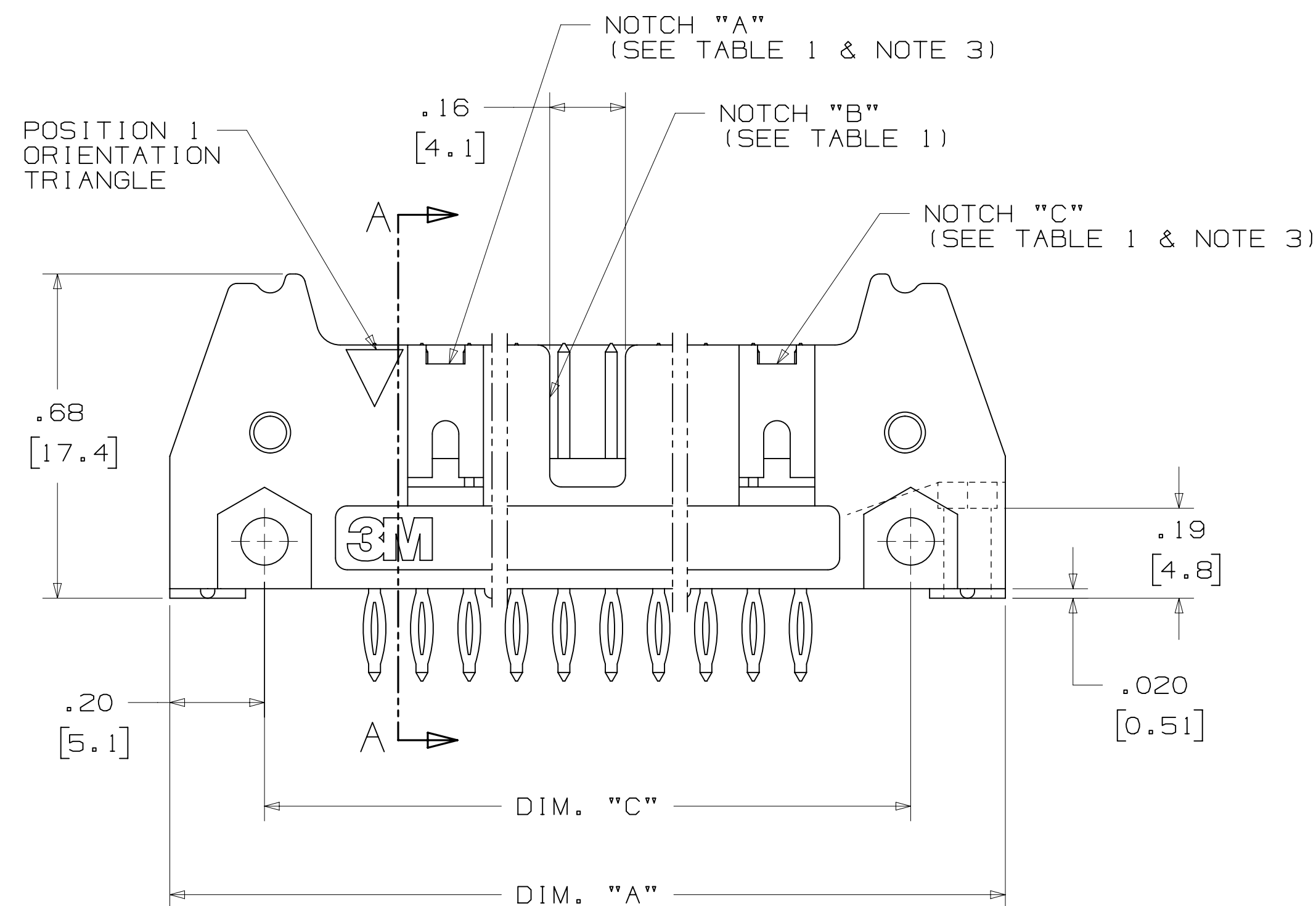
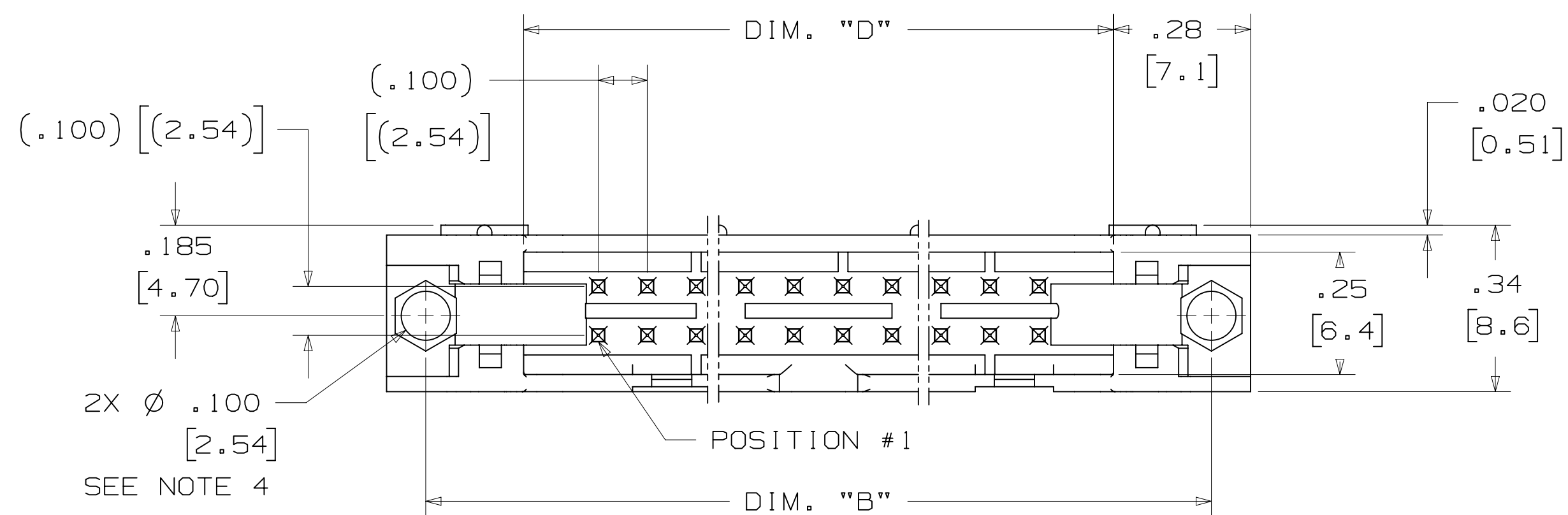
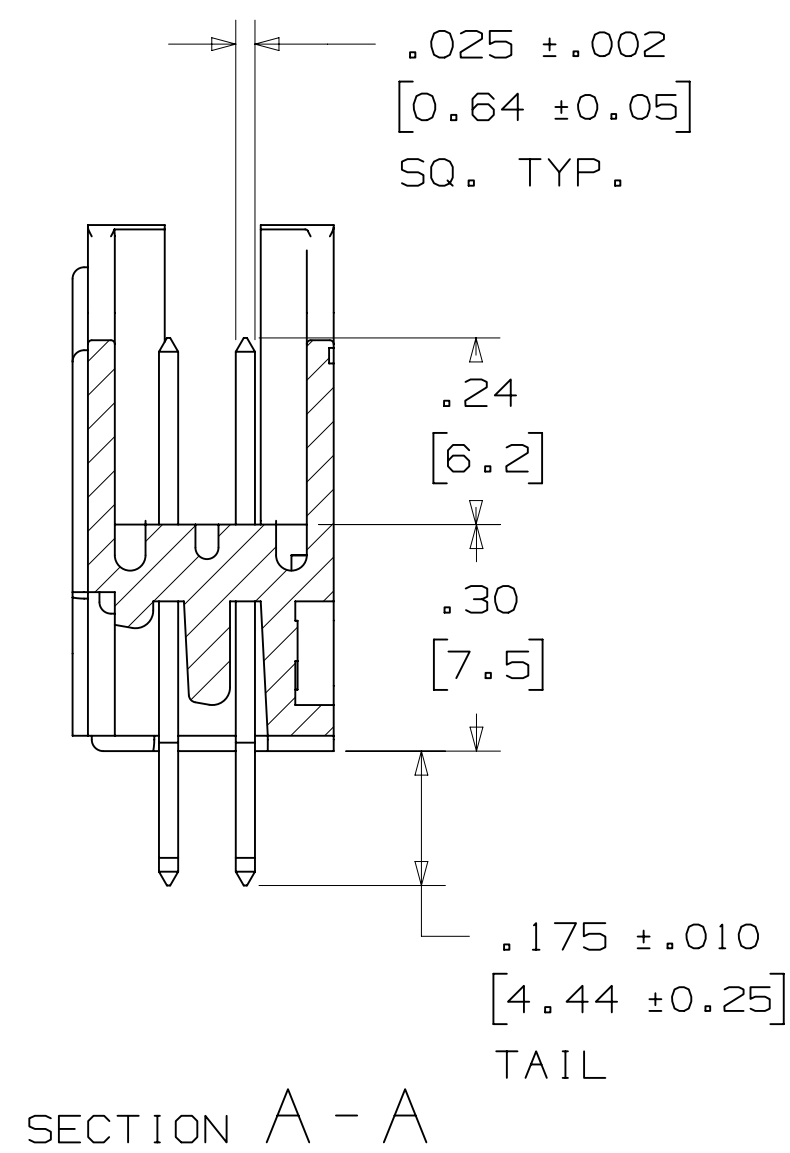
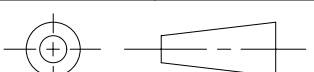


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405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

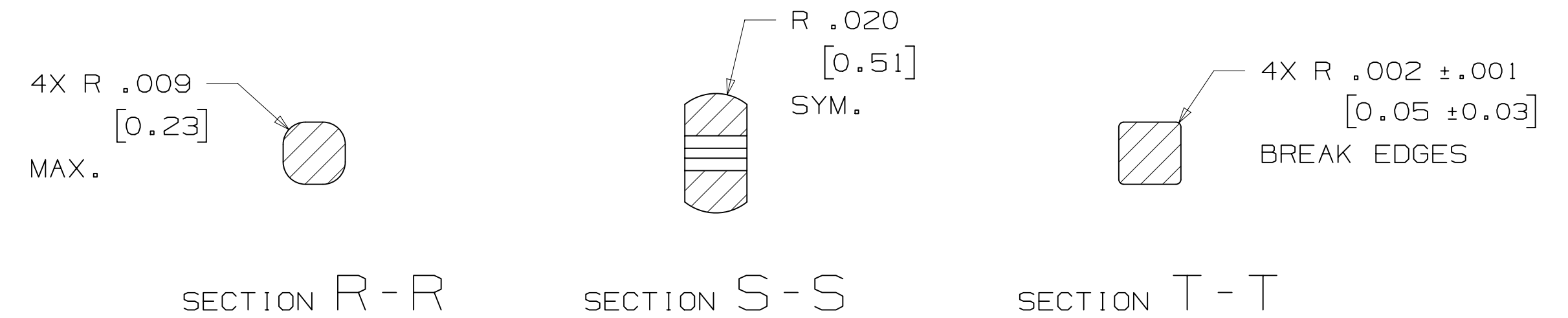
ASSEMBLY EQUIPMENT:
USE 3442-00XX PLATEN (SEE TABLE #1) AND APPROPRIATE COMMERCIAL ARBOR PRESS
TO PRESS HEADER INTO PC BOARD.

				E 16068		JUL 31, 2014		JNC		RS	
				REVISED AND REDRAWN							
DESIGN REFERENCE NEXT ASSEMBLY ADRS CODES				REV: ECO CAST GLIONE		DATE: JUL 31, 2014 DATE:		INFO: DATE:		DRFT: CHKD:	
DIVISION Interconnect Solutions DIVISION CODE EMSD DO NOT SCALE SCALE $\frac{4}{1}$ DRAWING TOLERANCES EXCEPT AS NOTED INCHES .00 ± .01 .000 ± .005 .0000 ±  THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2009 MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ± MAX SURFACE ROUGHNESS ☒ MARKED SURFACES ☐ MARKED ONLY ANGLES				CHKD: DATE:		APPR: R. SCHERER DATE: SEP 05, 2014					
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 3M Center St. Paul, MN 55144				TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN							
CAGE NUMBER D78-5100-0478-7				SIZE, DRAWING NO. E				REV. E			
MODEL 3000 SERIES				DET. LISTS ☒ YES ☐ NO				SHT 2 OF 4			

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



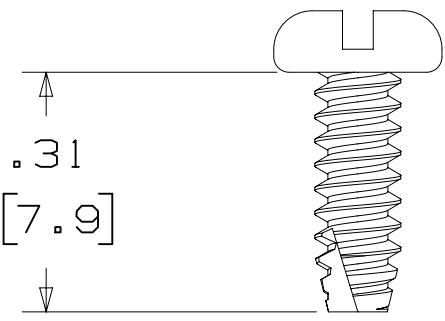
HOLE SIZE FOR:
 * PREFERRED DRILLED: $\varnothing .0453 \pm .0005$
 * ACCEPTABLE DRILLED: $\varnothing .0453 \pm .0005 / - .0010$
 * AFTER ETCHBACK: $\varnothing .0460$ MAX.
 * AFTER PLATING: $\varnothing .040 \pm .003$
 * BOARD THICKNESS: .093 TO .150
 PLATING:
 * .001 MIN. COPPER PLATING THICKNESS
 * .0003 MIN. TIN PLATING



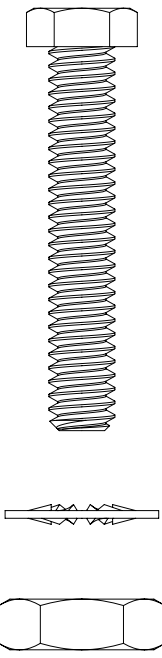
		E 56068		JUL 31, 2014		JNC		RS	
				REVISED AND REDRAWN					
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRF	CASTIGLIONE		DATE	JUL 31, 2014	MFG
				CHD			DATE		APPR.
						R. SCHERER		DATE	SEP 05, 2014
DIVISION		DIVISION CODE					© 3M COPYRIGHT 2015		
Interconnect Solutions		EMSD					This document and any information it contains are 3M property and may not be reproduced on further distribution without the prior written consent of 3M. All rights reserved.		
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		TOLERANCES AS NOTED							
		INCHES .0 .00 ± .01 .000 ± .005 .0000 ±		TITLE					
THIRD ANGLE PROJECTION		MILLIMETERS 0 0 ± .3 0.00 ± .13 0.000 ±		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN					
INTERPRET PER ASME Y14.5 - 2009				CASE NUMBER		SIZE		DRAWING NO.	
MAX. SURFACE ROUGHNESS				D 78-5100-0478-7		REV.		E	
☒ MARKED SURFACES ☐ UNMARKED ONLY		☒ ANGLES		MODEL		DET.		SHT 3 OF 4	
				3000 SERIES		YES ☐ NO ☒			

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

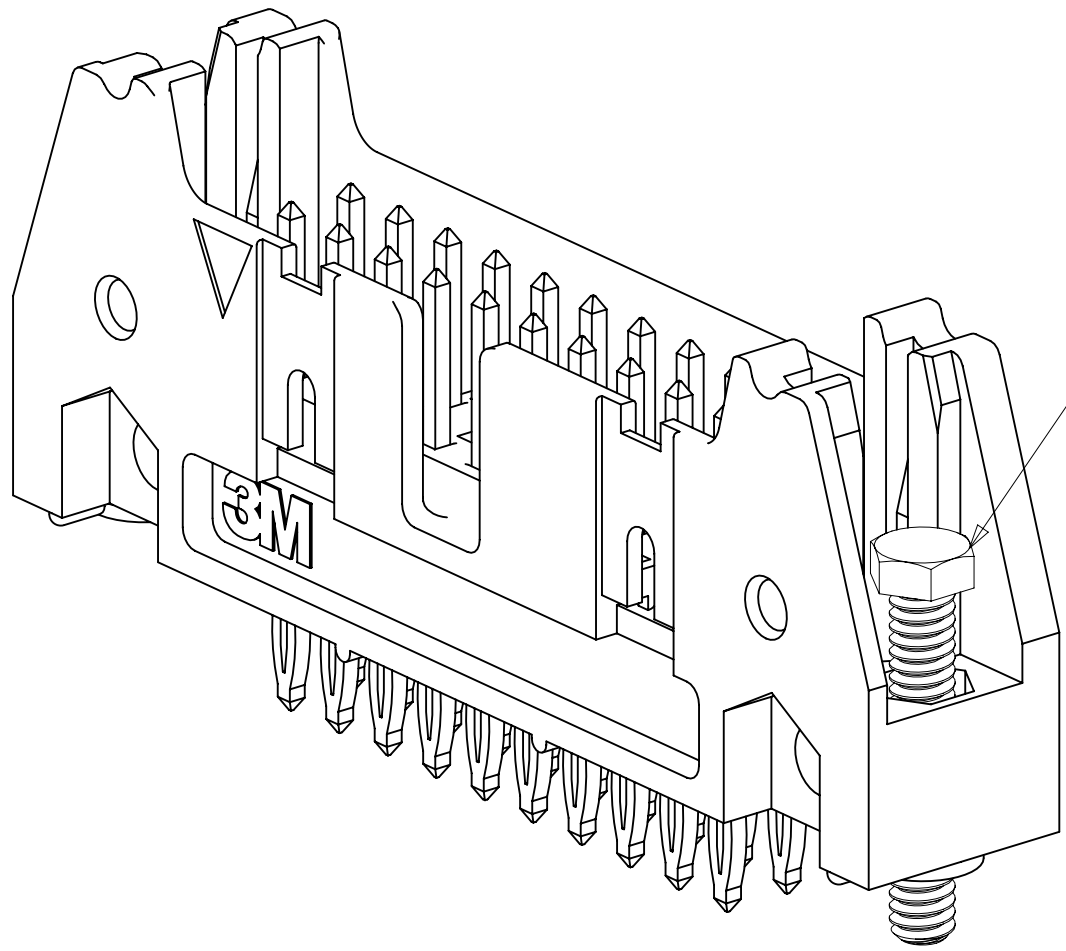
MOUNTING HARDWARE



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

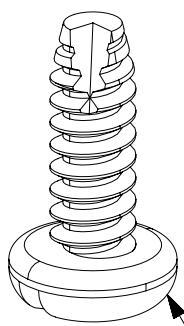
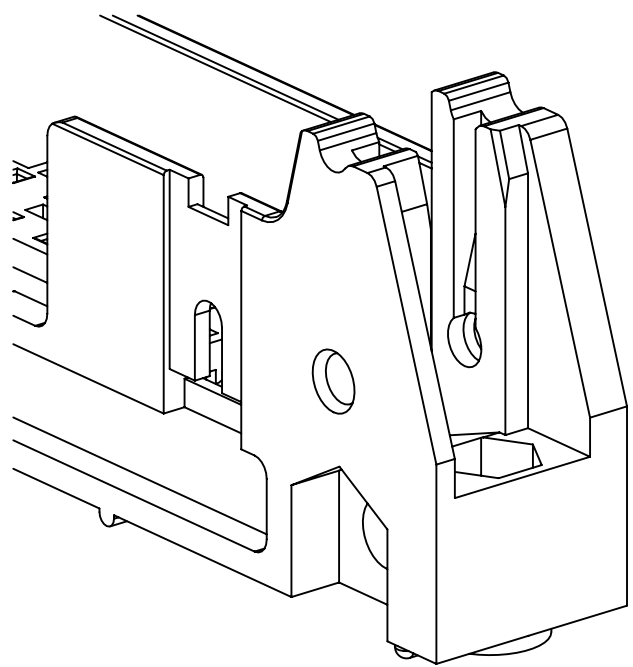


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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.

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				CHKD	DATE	APPR	DATE		
DIVISION		DIVISION CODE							
Interconnect Solutions		EMSD							
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						TITLE			
						HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN			
						CAGE NUMBER		DRAWING NO.	
						D78-5100-0478-7		REV.	
						MODEL		3000 SERIES	
						DET		YES NO	
						SHT		4 OF 4	

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