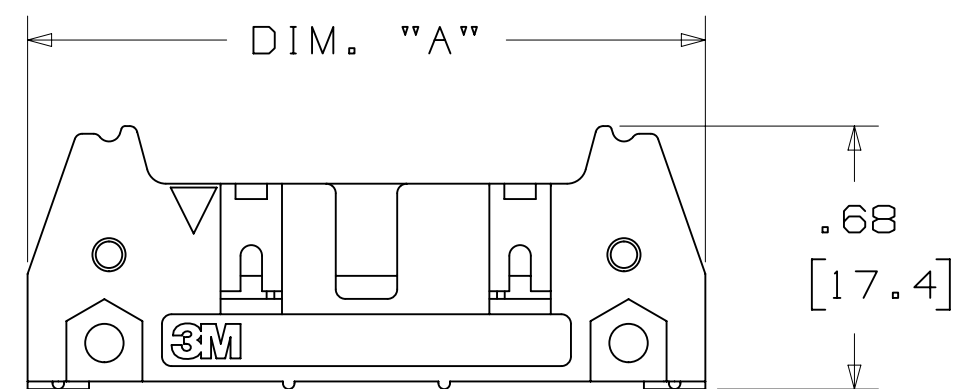
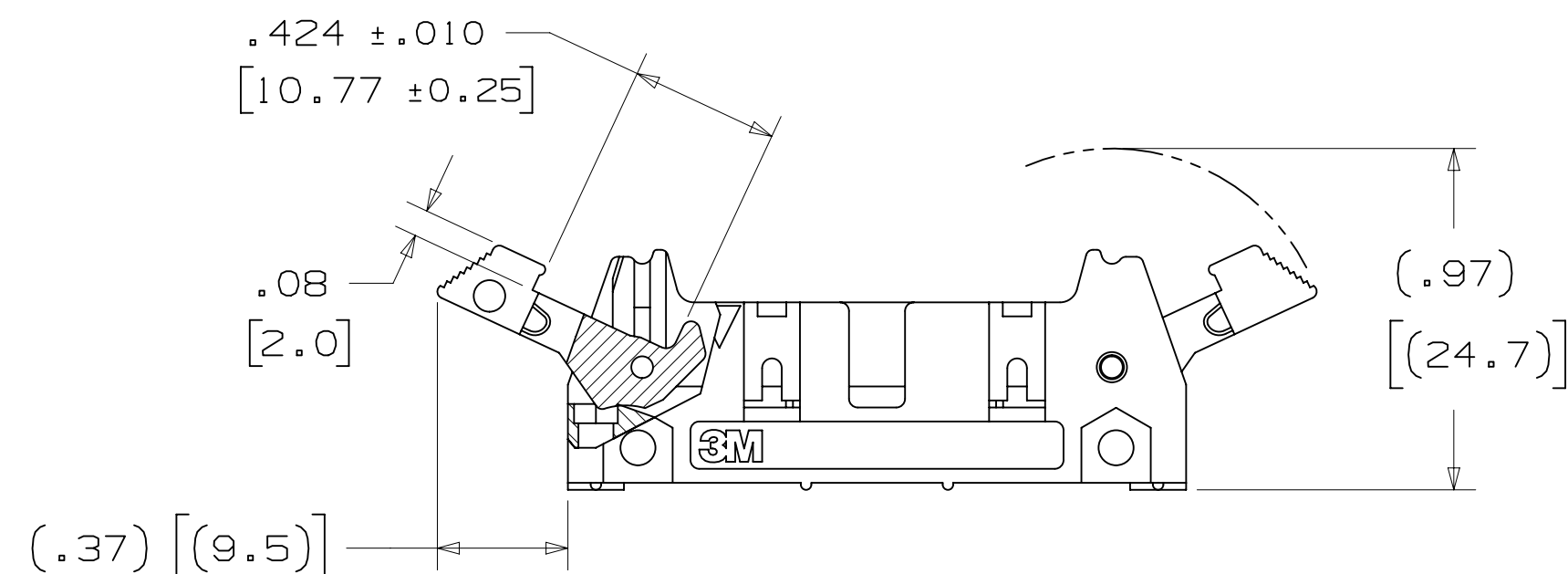


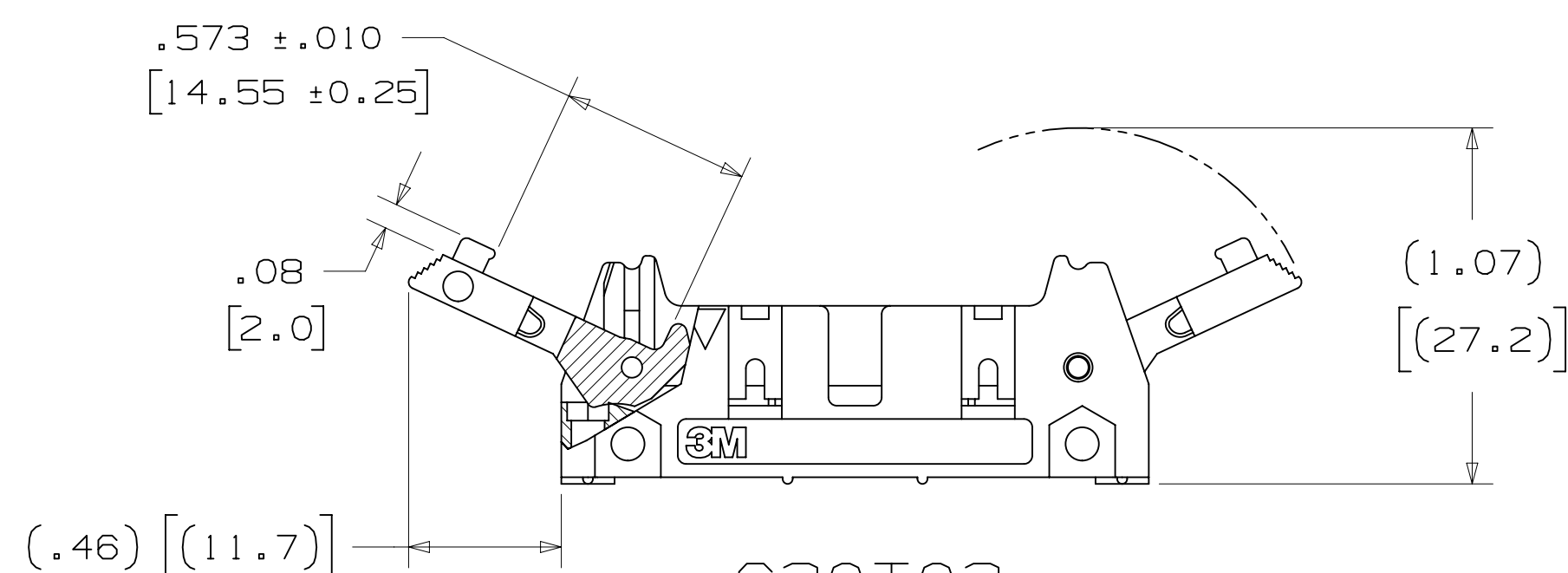
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



-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)

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
WIPING AREA: 30 μ " [0.76 μ m] AVG. GOLD
SOLDER TAILS: 100 μ " [2.54 μ m] TIN LEAD OR 300 μ " [7.62 μ m] 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.

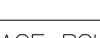
NOTES

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 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>

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

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV.	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACROSS CODES				DRP	CASTIGLIONE		DATE	MFG	DATE
				CHKD			DATE	APPRV	DATE
						R. SCHERER		SEP 05, 2014	
DIVISION		DIVISION CODE		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 3M 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							
SCALE 2 1									
		INCHES .00 ± .01 .000 ± .005 .0000 ±		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN			
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .00 ± .3 .00 ± .13 .000 ±		CAGE NUMBER					
INTERPRET PER ASME Y14.5 - 2009				SIZE DRAWING NO.					
MAX SURFACE ROUGHNESS 		MAX SURFACES 		D78-5100-0478-7		REV.		E	
MARKED ONLY 		ANGLES ±		MODEL		DET. LISTS		YES ☒ NO	
				3000 SERIES				SHT 1 OF 4	

UL[®]
US
UL FILE NO: E68080

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

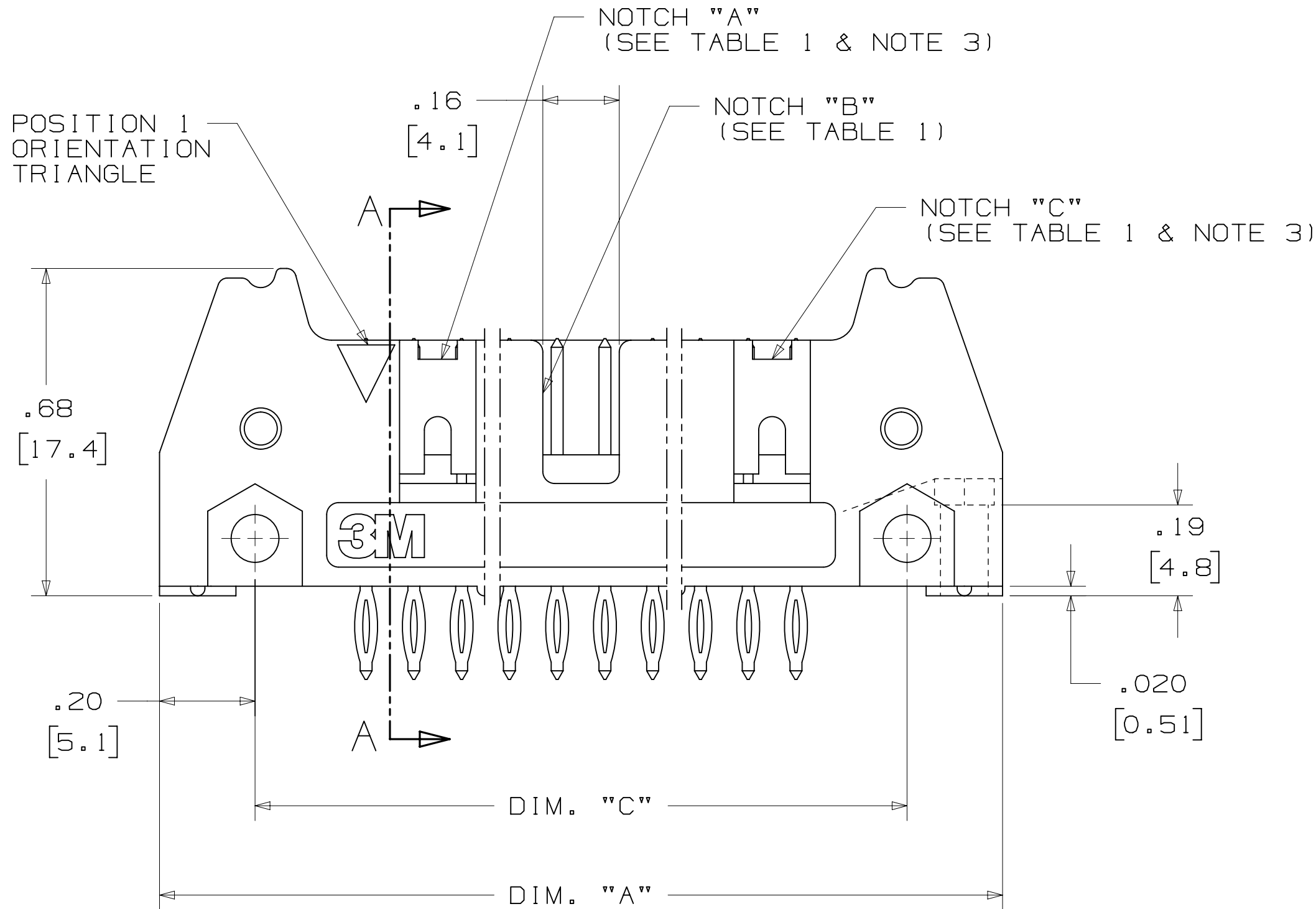
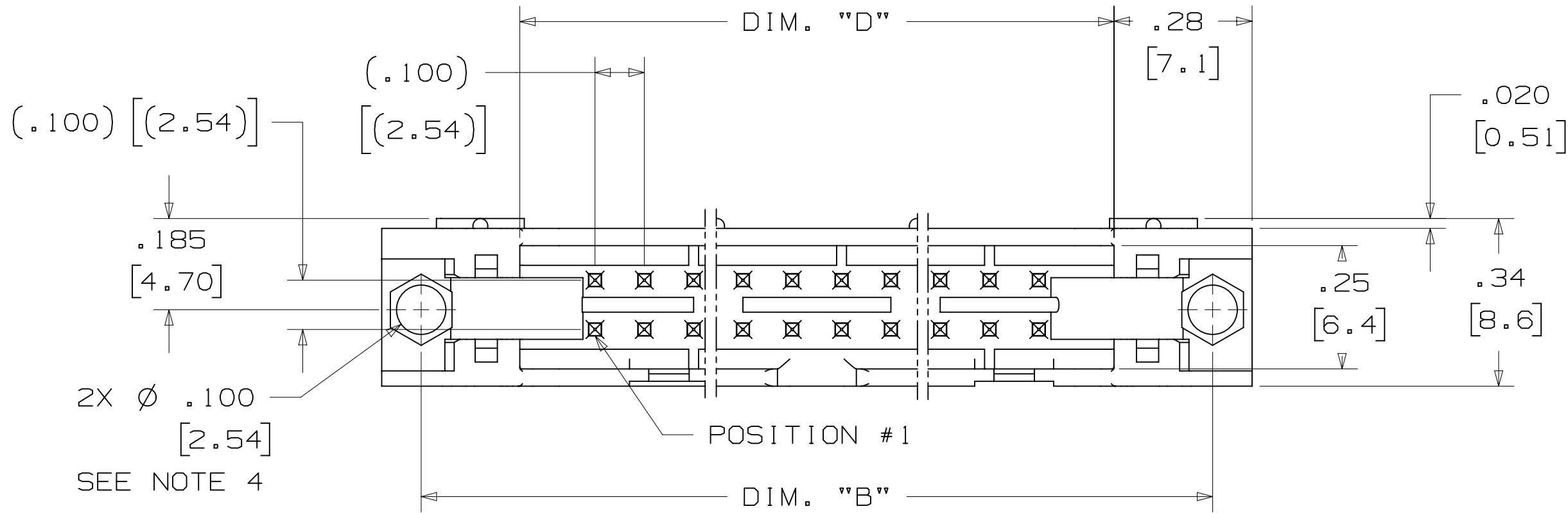
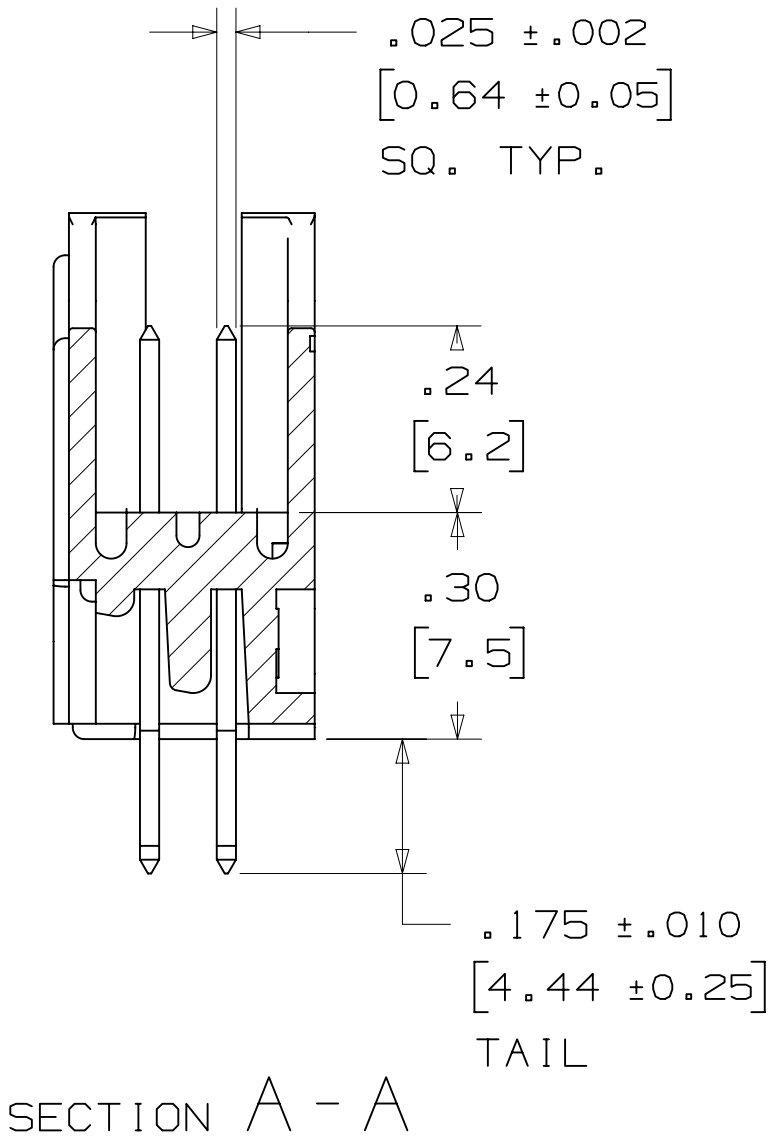


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405 [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			
CAGE NUMBER		SIZE		DRAWING NO.		REV.					
D		78-5100		0478-7		E					
MODEL		3000 SERIES		DET		LISTS		YES		NO	
SHT		2		OF		4					

DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS	
MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
INCHES		MILLIMETERS		ANGLES	
.00 ±.01		0 ±.03			
.000 ±.005		.00 ±.13			
.0000 ±		.000 ±			

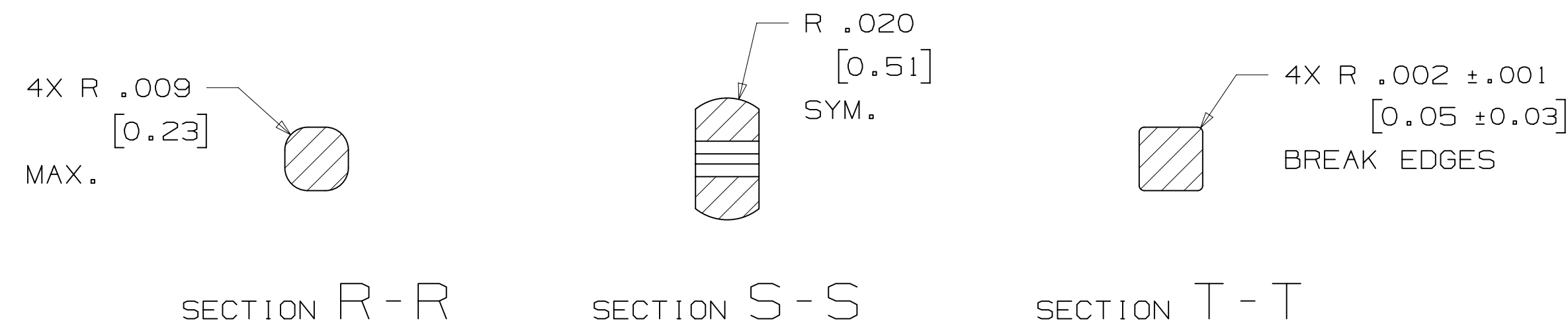
3M		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2015	
TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN		This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.	

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



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



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.

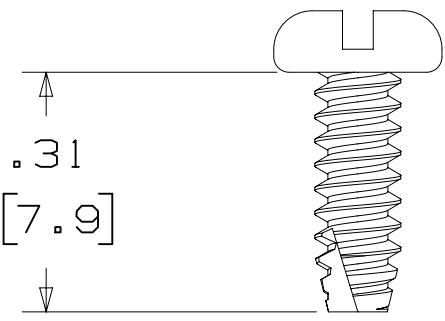
NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

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

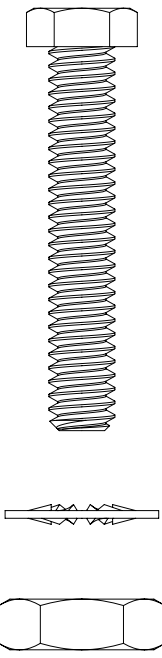
E 56068		JUL 31, 2014		JNC		R5	
REVISED AND REDRAWN							
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	
CHG		DATE		DATE		DATE	
CARTILIGIONE		JUL 31, 2014		MFG		DATE	
APPR		DATE		APPR		DATE	
R. SCHERER				SEP 05, 2014			
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DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED			
THIRD ANGLE PROJECTION		INCHES 0.000 ± .01 0.000 ± .005 0.0000 ±		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR STR, COMPLIANT PIN			
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .3 0.00 ± .13 0.000 ±		CASE NUMBER SIZE DRAWING NO. D 78-5100-0478-7		REV.	
MAX SURFACE ROUGHNESS UNFINISHED SURFACES ✓ ☐ MARKED ONLY		ANGLES		MODEL 3000 SERIES		DET. THIS ☐ YES ☒ NO SHT 3 OF 4	

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

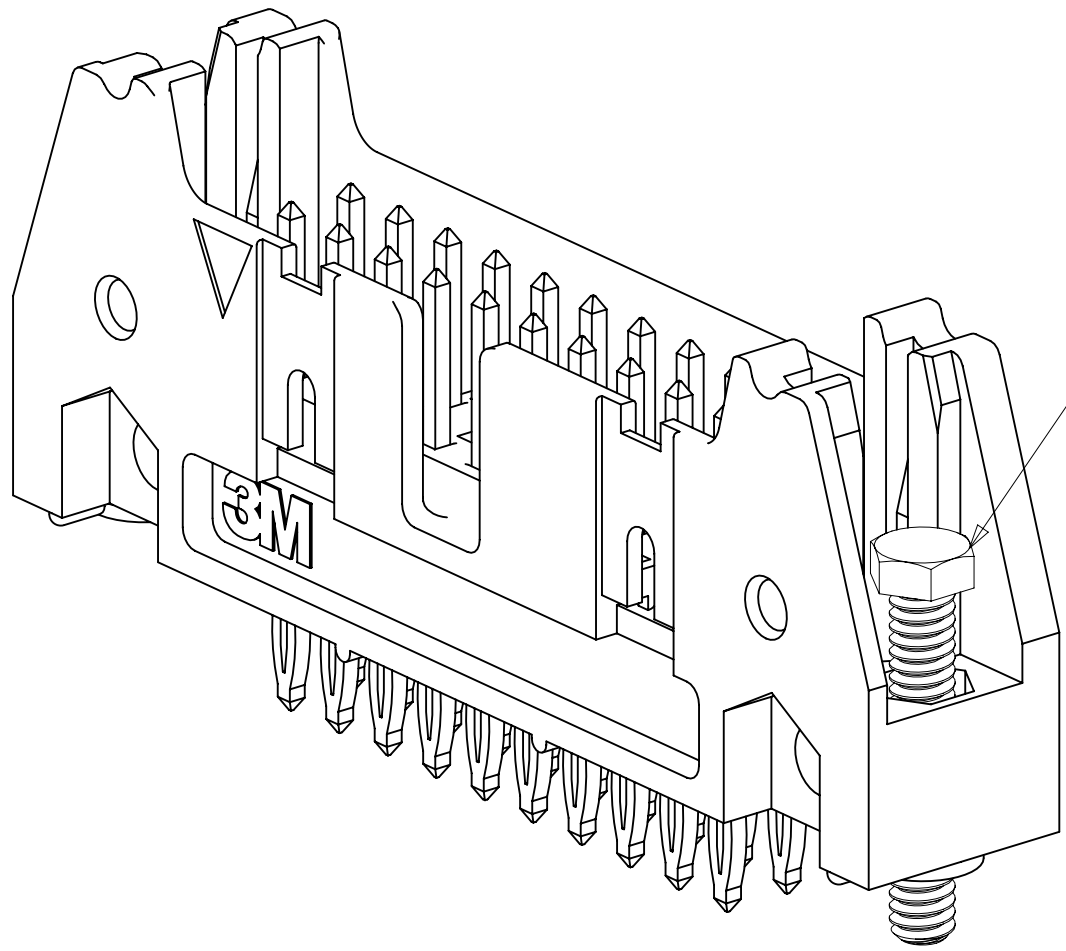
MOUNTING HARDWARE



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

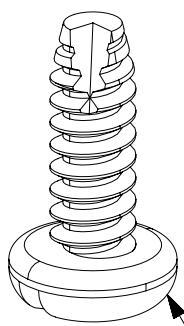
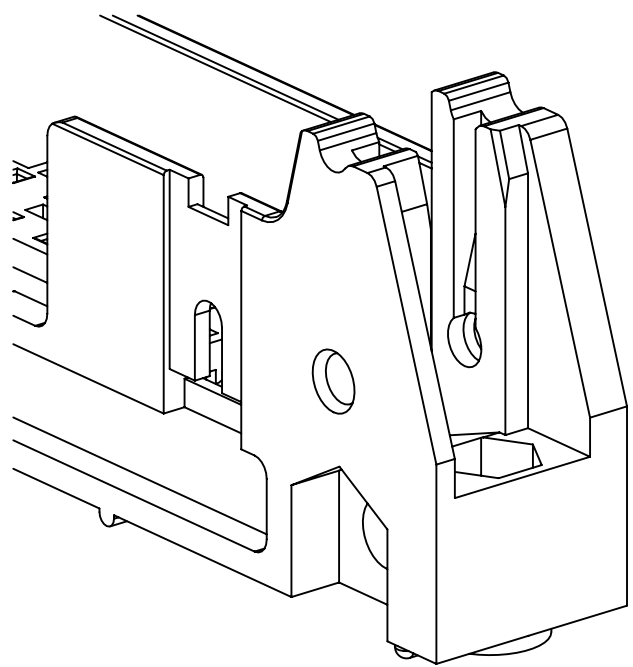


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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
Interconnect Solutions		EMSD		REVISED AND REDRAWN					
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		3M		3M Center St. Paul, MN 55144	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		INCHES .00 ± .01 .000 ± .0005 .0000 ±		MILLIMETERS 0 ± .00 ± .03 .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	