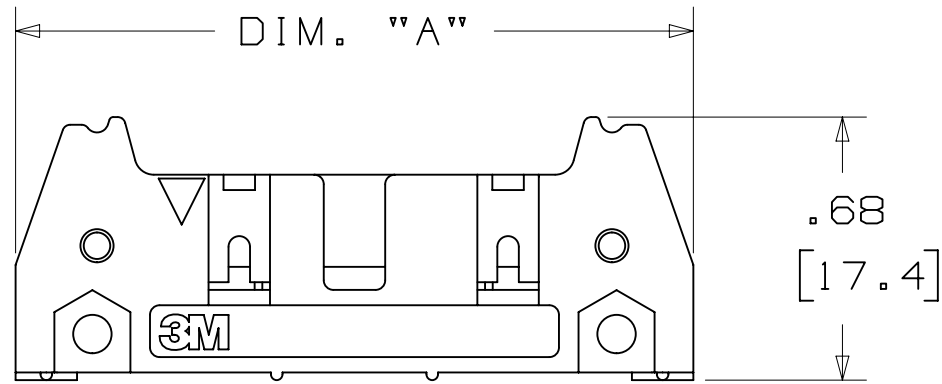
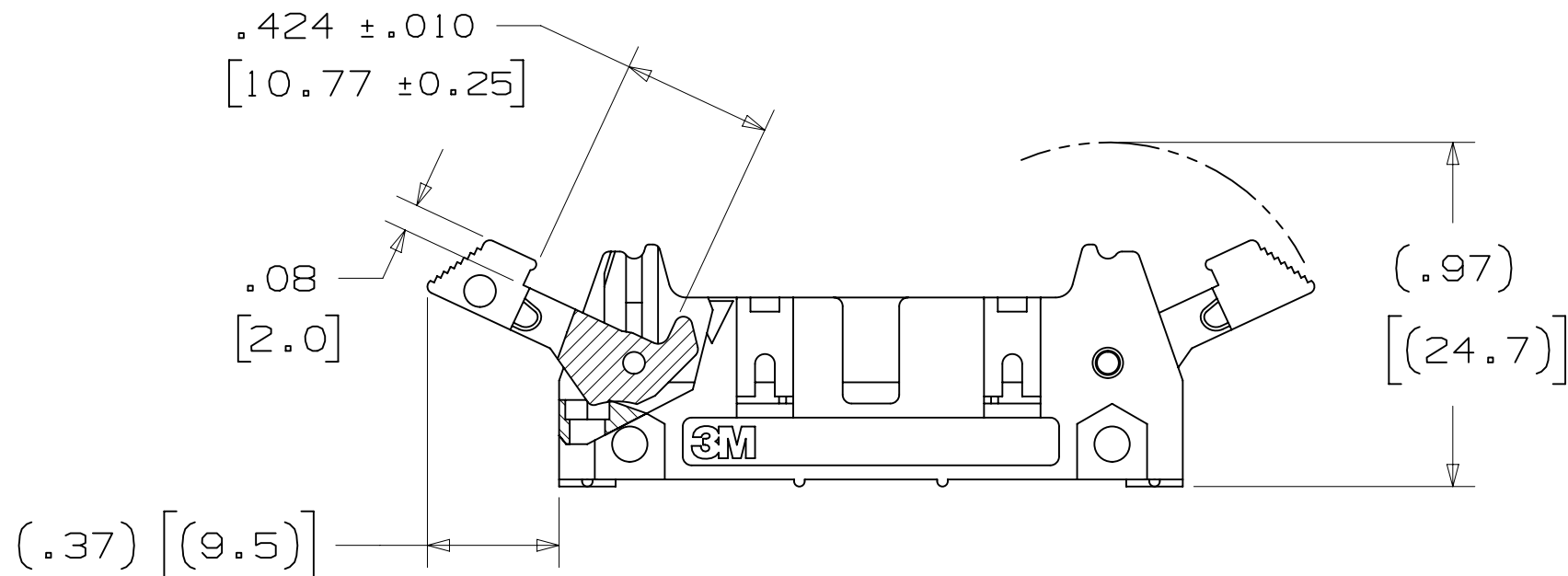


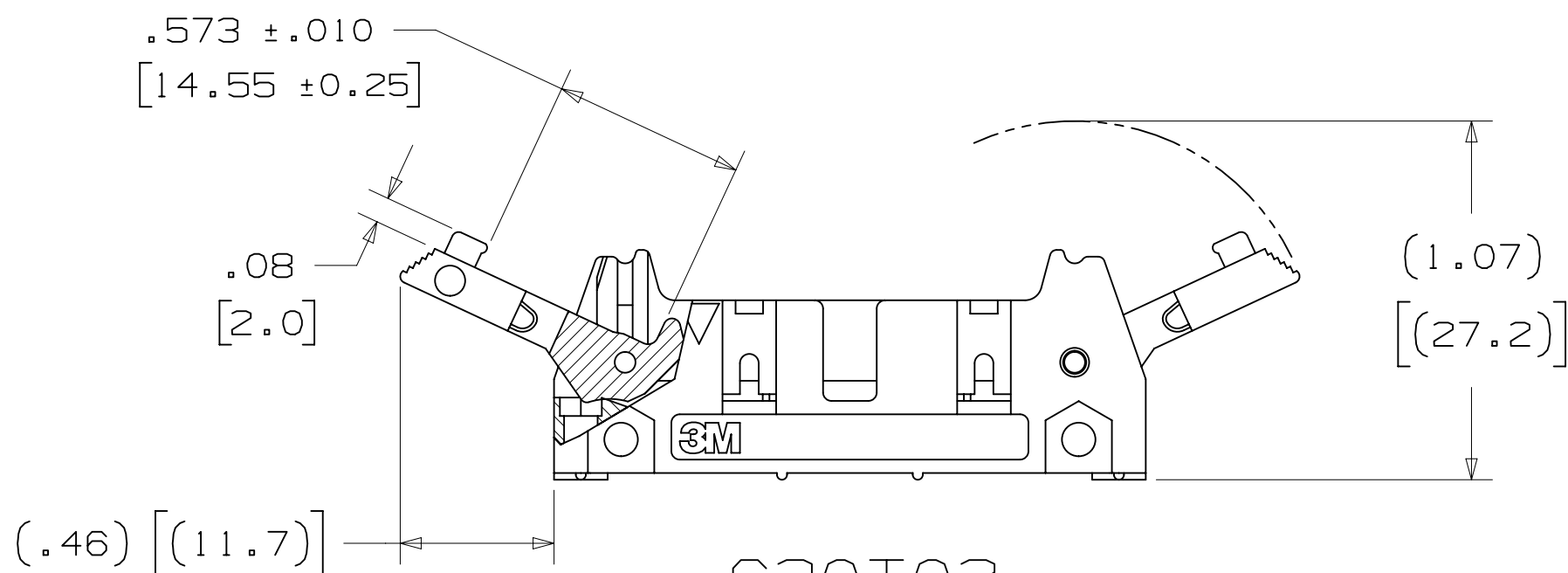
3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



-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

ORDERING INFORMATION

X XXXX-6X0T02XX

N= HIGH TEMP BLACK (PCT)/(RB PLATING REQ'D)
BLANK= (TC PLATING REQUIRED)

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)

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

- * 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 X 10⁹Ω AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO 105°C

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.

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

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
3000				CSTIGLIONE		
3000				JUL 31, 2014		
3000				R. SCHERER		
3000				SEP 05, 2014		
DIVISION	DIVISION CODE	© 3M COPYRIGHT 2015				
Interconnect Solutions	EMSD	3M Center St. Paul, MN 55144				
DO NOT SCALE DRAWING	SCALE 2/1	TOLERANCES EXCEPT AS NOTED				
		INCHES				
		.00 ±.01				
		.000 ±.005				
		.0000 ±				
		MILLIMETERS				
		0 ±				
		.0 ±.3				
		.00 ±.13				
		.000 ±				
		ANGLES				
		MARKED ONLY				
		CAGE NUMBER				
		D 78-5100-0478-7				
		MODEL				
		3000 SERIES				
		LISTS				
		YES				
		NO				
		SHT 1 OF 4				

UL FILE NO: E68080

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

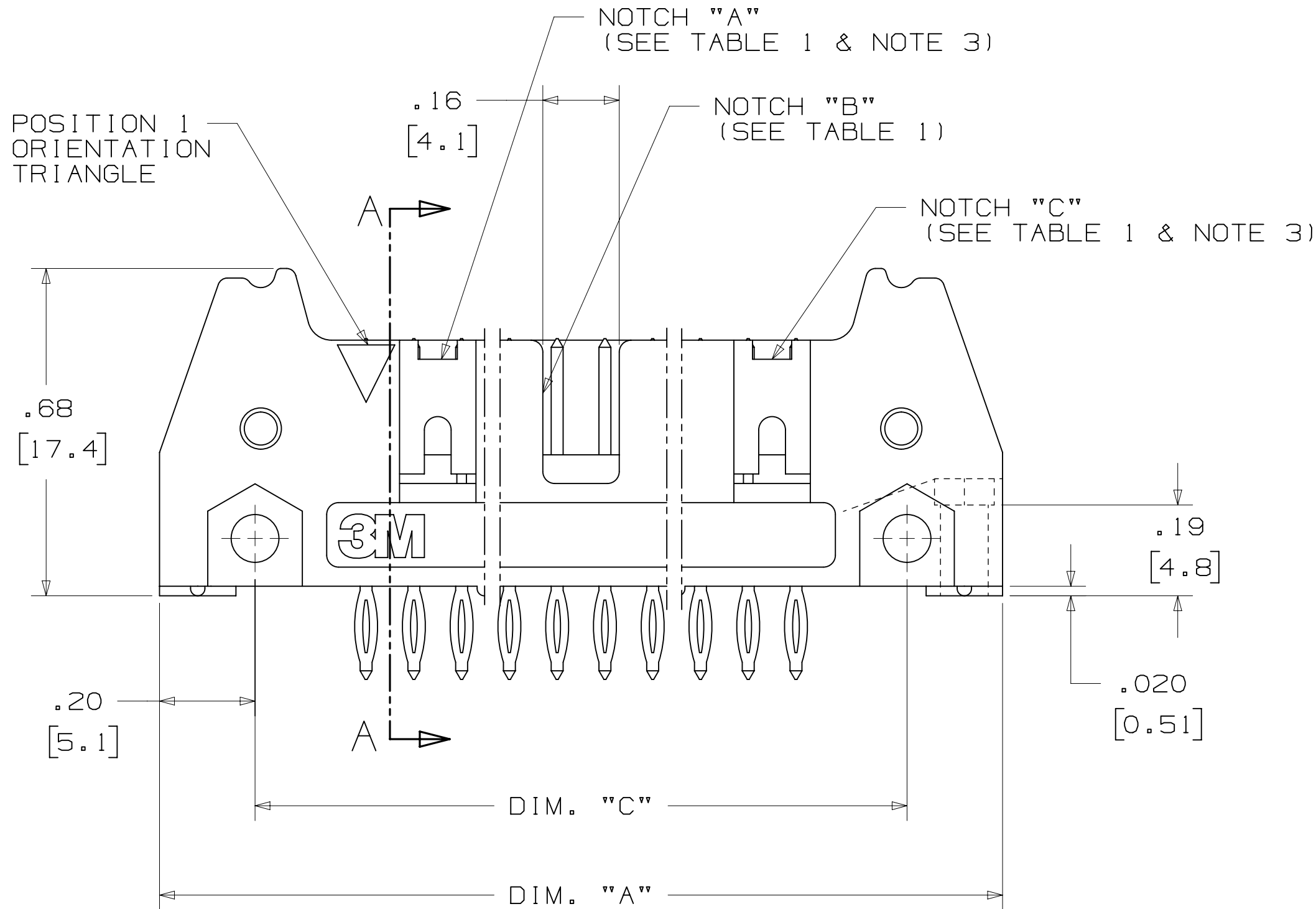
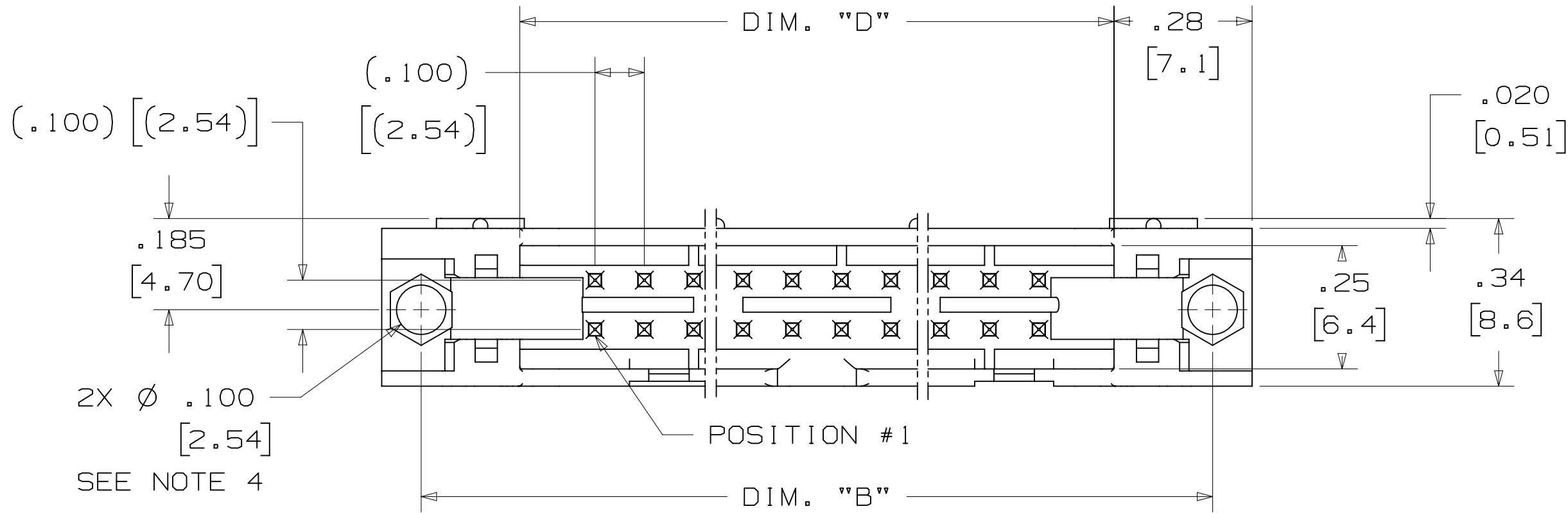
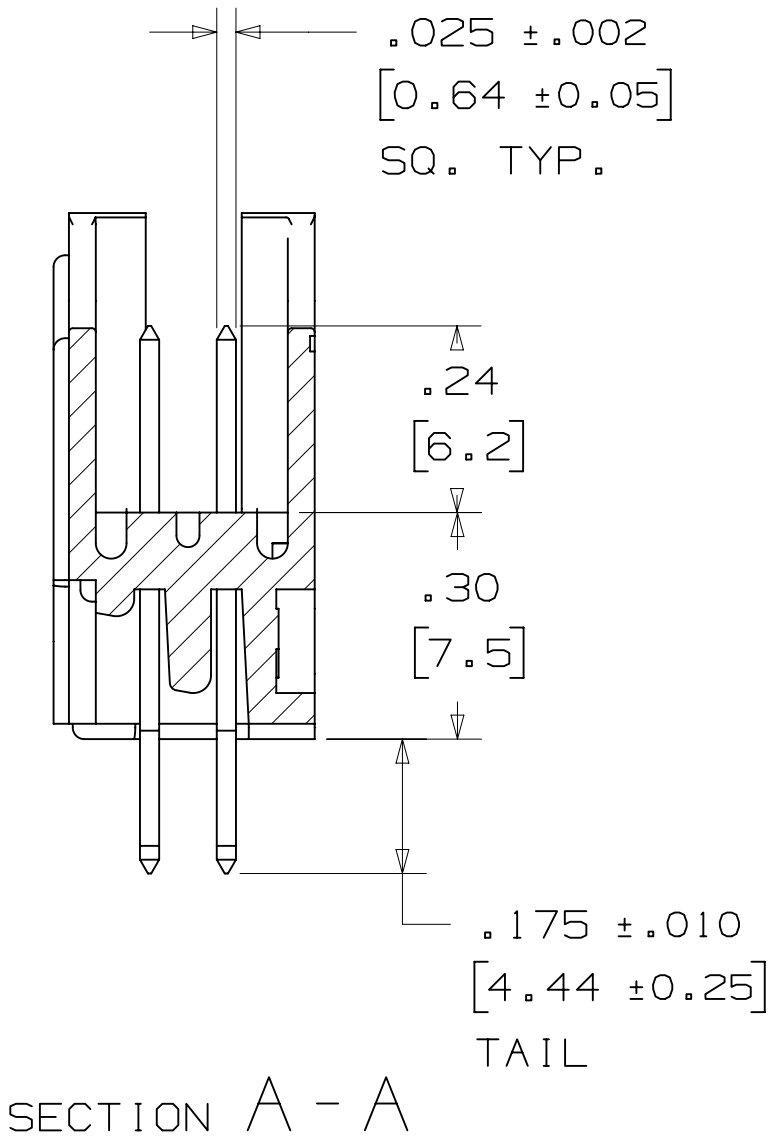


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405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

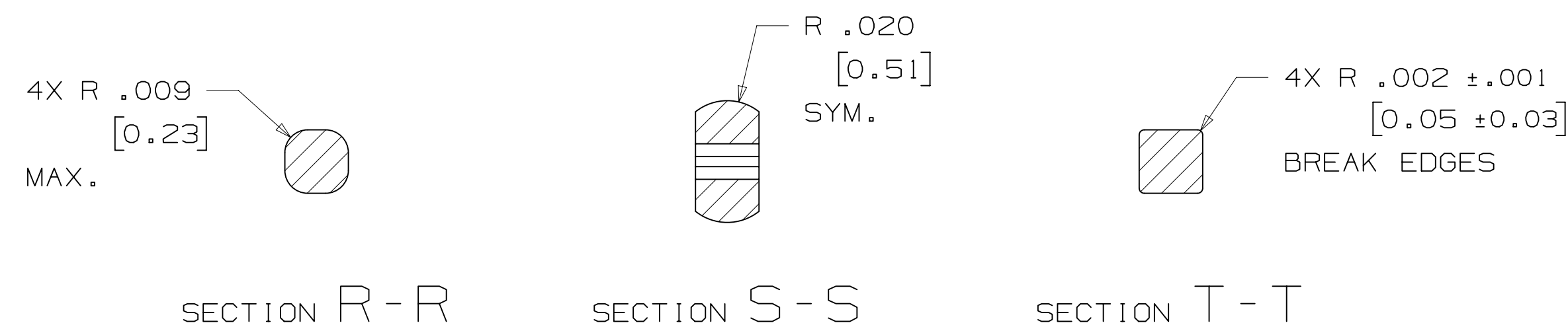
DESIGN REFERENCE		NEXT ASSEMBLY		E	56068	JUL 31,2014		JNC	RS
REV		ECO		REVISED AND REDRAWN				DRFT	CHKD
DIP CAST		GLIONE		DATE		JUL 31,2014		MFG DATE	
CHKD		DATE		APPR		R. SCHERER		DATE SEP 05,2014	
DIVISION		Interconnect Solutions		DIVISION CODE		EMSD		3M Center St. Paul, MN 55144	
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		INCHES .0 ±.01 .000 ±.005 .0000 ±		MILLIMETERS 0 ± .0 ±.3 .00 ±.13 .000 ±	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		DET SURFACES		MARKED ONLY	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		E	
MODEL		3000 SERIES		LISTS		YES NO		SHT 2 OF 4	

.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)
[(.08)]
TYP.

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

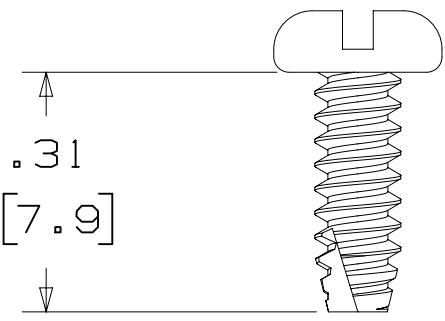
NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

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

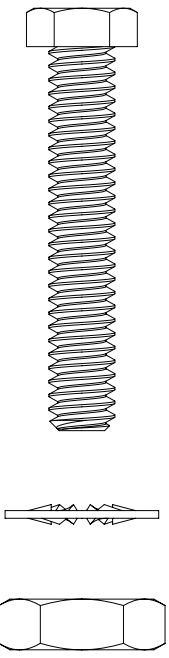
		E	56068	JUL 31, 2014	JNC	RS
		REVISED AND REDRAWN				
ASSEMBLY REFERENCE NEXT		REV	ECO	ISSUE DATE AND DESCRIPTION	DRAFT	CHKD
ADDRESS CODES		CHG CASTIGLIONE		MFG JUL 31, 2014	DATE	
		CHGD		DATE	APPRV R. SCHERER	SHT SEP 05, 2014
DIVISION		END		© 3M COPYRIGHT 2015		
Interconnect Solutions				This document and its information is contained as 3M property and may not be reproduced or further distributed without permission, or used disclosed other than for 3M authorized purposes. All rights reserved.		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144		
SCALE 4 1		INCHES .00 ± .001 ± .0005 ± .0000 ±		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR STR, COMPLIANT PIN		
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .3 ± .13 ± 0 ±		CASE NUMBER D78-5100-0478-7 E		
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS SURFACES ✓ □ MARKED ONLY		SIZE DRAWING NO. D78-5100-0478-7 E		
		ANGLE S		DET THIS YES YES NO SHT 3 OF 4		

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

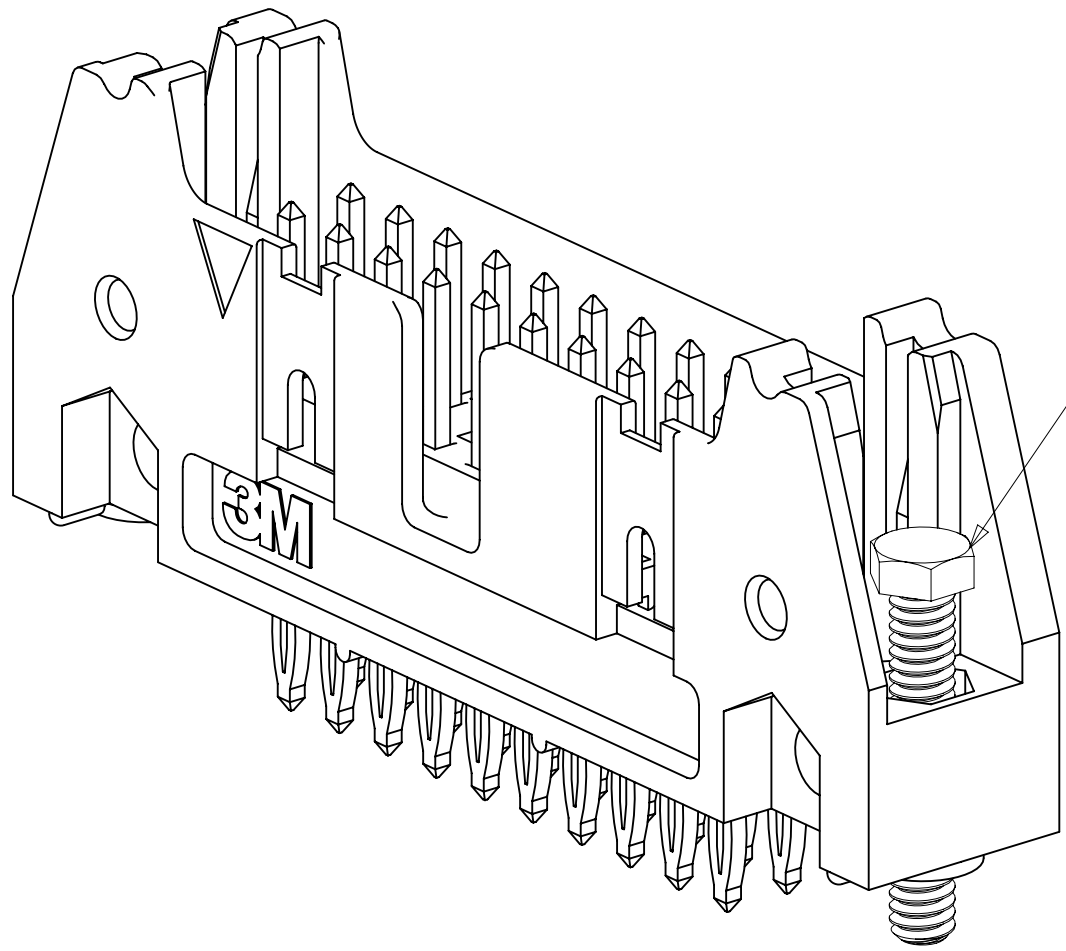
MOUNTING HARDWARE



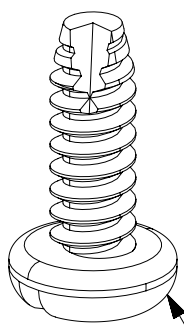
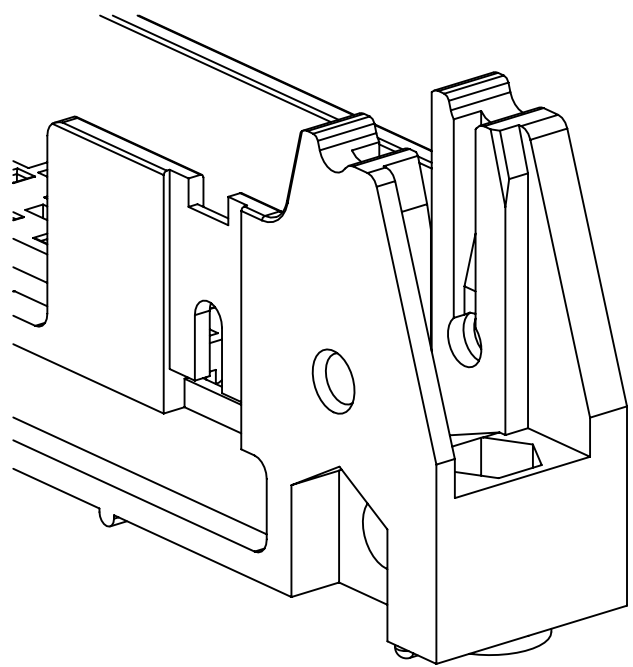
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



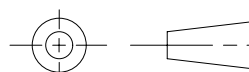
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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		56068		JUL 31, 2014		JNC		RS					
REVISED AND REDRAWN													
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ADDRESS CODES				CASTIGLIONE		DATE JUL 31, 2014		MFG		DATE			
				CHKD		DATE		APPR R. SCHERER		DATE SEP 05, 2014			
DIVISION		DIVISION CODE											
Interconnect Solutions		EMSD											
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED									
													
THIRD ANGLE PROJECTION													
INTERPRET PER ASME Y14.3 2009													
MAX SURFACE ROUGHNESS													
ONLY SURFACES													
✓													
□ MARKED ONLY													

Mouser Electronics

Authorized Distributor

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3M:

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