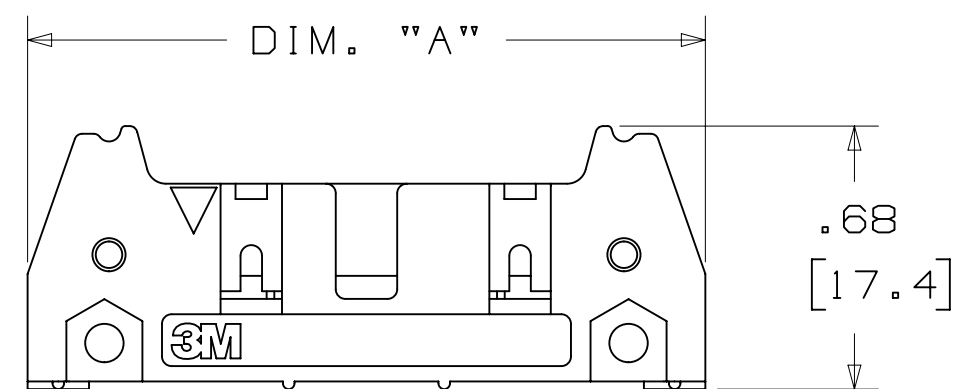
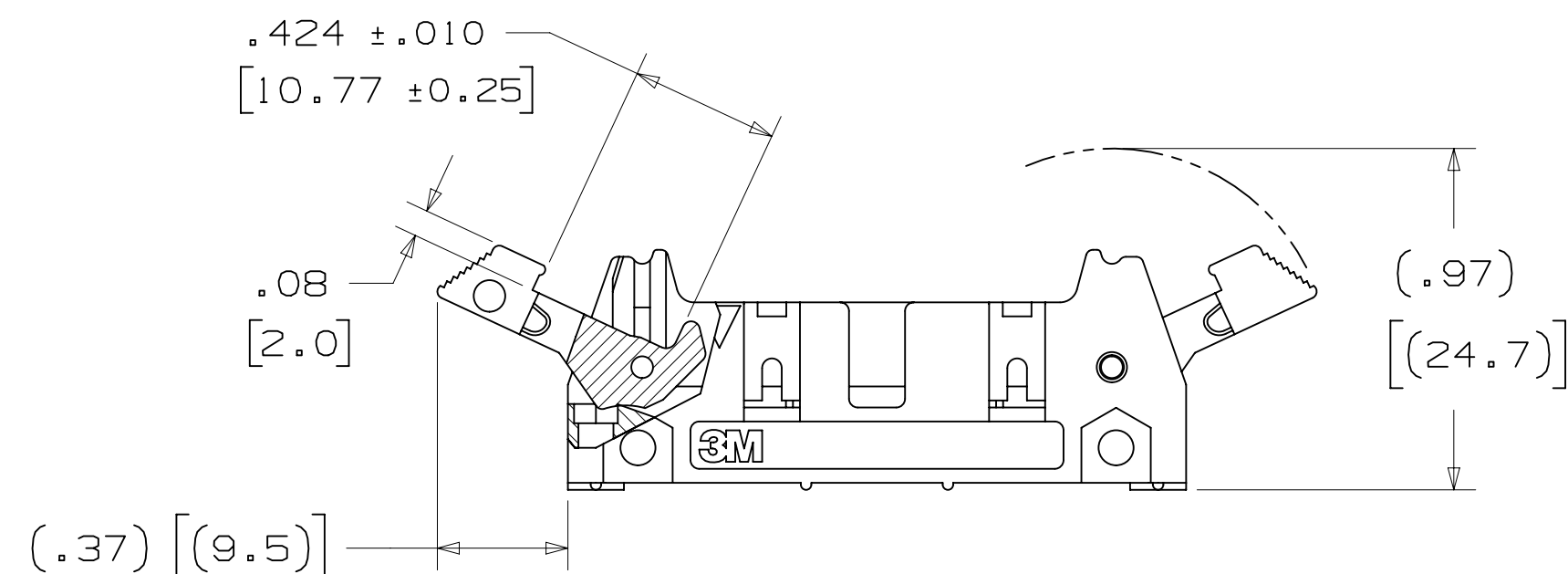


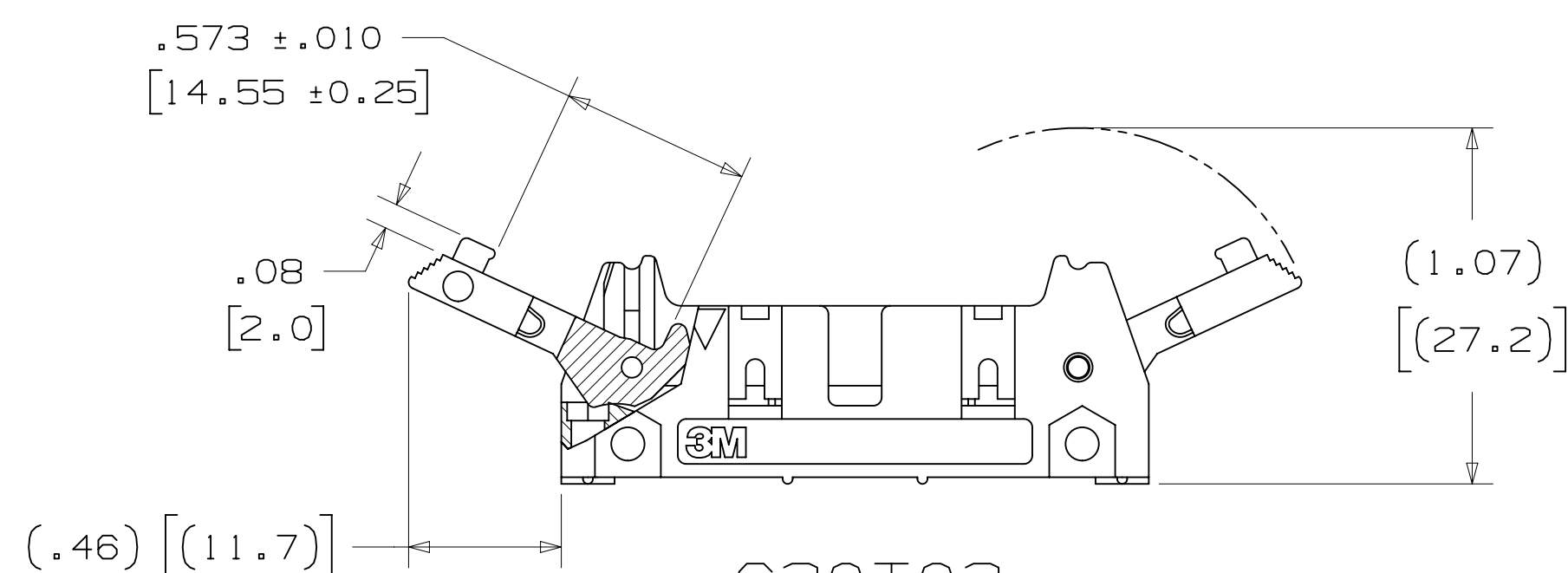
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



-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)

- 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)

LATCH/EJECTOR SYSTEM: ☐

0 = NO LATCH/EJECTOR INSTALLED
2 = SHORT ROLL PIN LATCH/EJECTORS
3 = LONG ROLL PIN LATCH/EJECTORS

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: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55° C TO 105° C

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		E 56068		JUL 31, 2014		JNC		RS	
				REVISED AND REDRAWN					
DESIGN REFERENCE		NEXT ASSEMBLY		REV ECO		ISSUE DATE AND DESCRIPTION		DRFT CHKD	
ACCESS CODES				DET CASTING LONE		DATE JUL 31, 2014		MFG DATE	
				CHKD		DATE		APPRV. R. SCHERER	
								SEP 05, 2014	
DIVISION		DIVISION CODE							
Interconnect Solutions		EMSD		3M Center St. Paul, MN 55144		© 3M COMPANY 2015 This document contains information that is the property of 3M and may not be reproduced or further distributed without the written permission of 3M. All rights reserved.			
DO NOT SCALE DRAWING		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 ±							
MAX SURFACE ROUGHNESS ✓ □ MARKED ON SURFACES				CAGE NUMBER D78-5100-0478-7		SIZE DRAWING NO.		REV. E	
		ANGLES		MODEL 3000 SERIES		DET. LISTS YES X NO		SHT 1 OF 4	

UL[®]
US
UL FILE NO: E68080

3M™ FOUR-WALL HEADER, 3000 SERIES

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

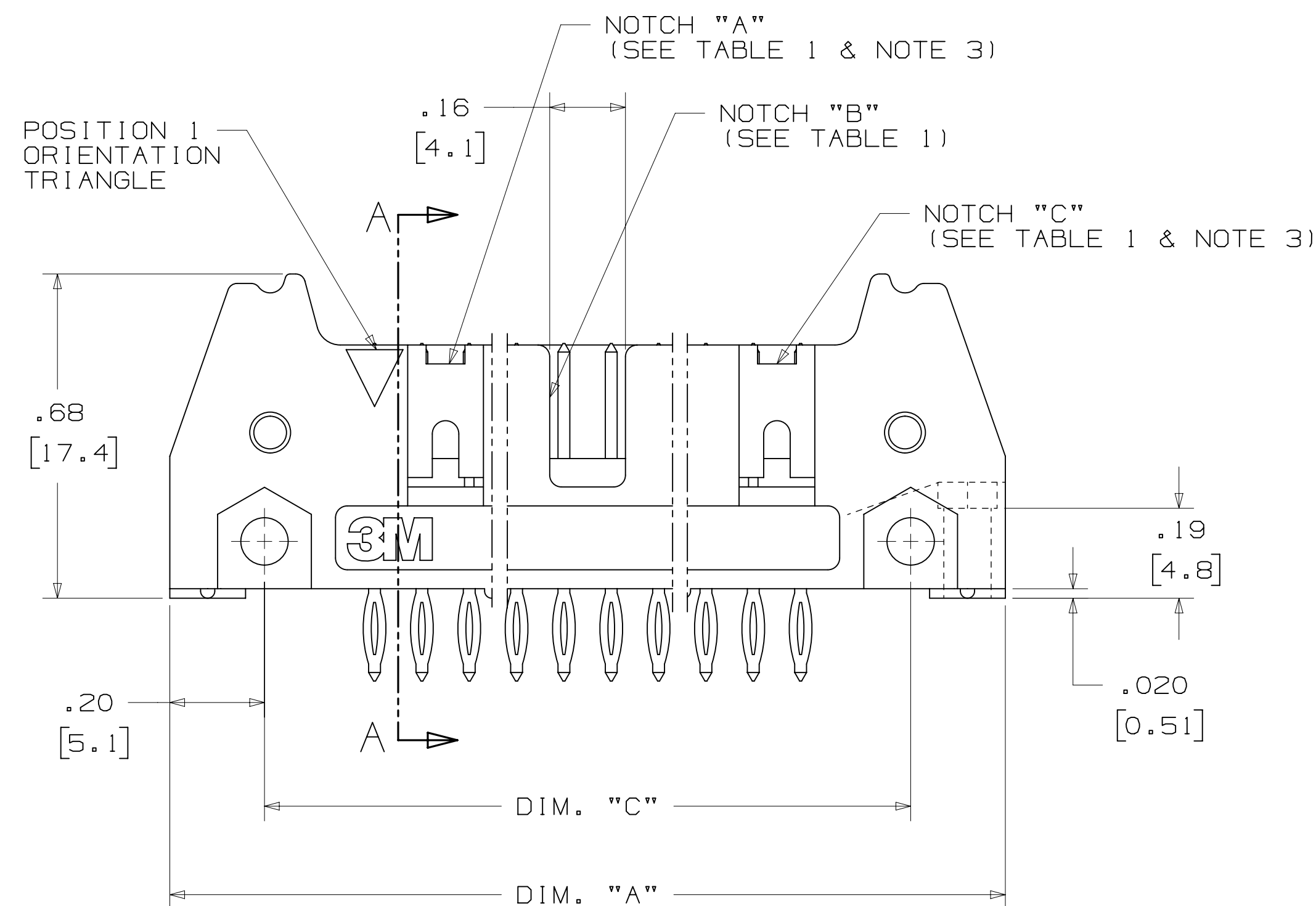
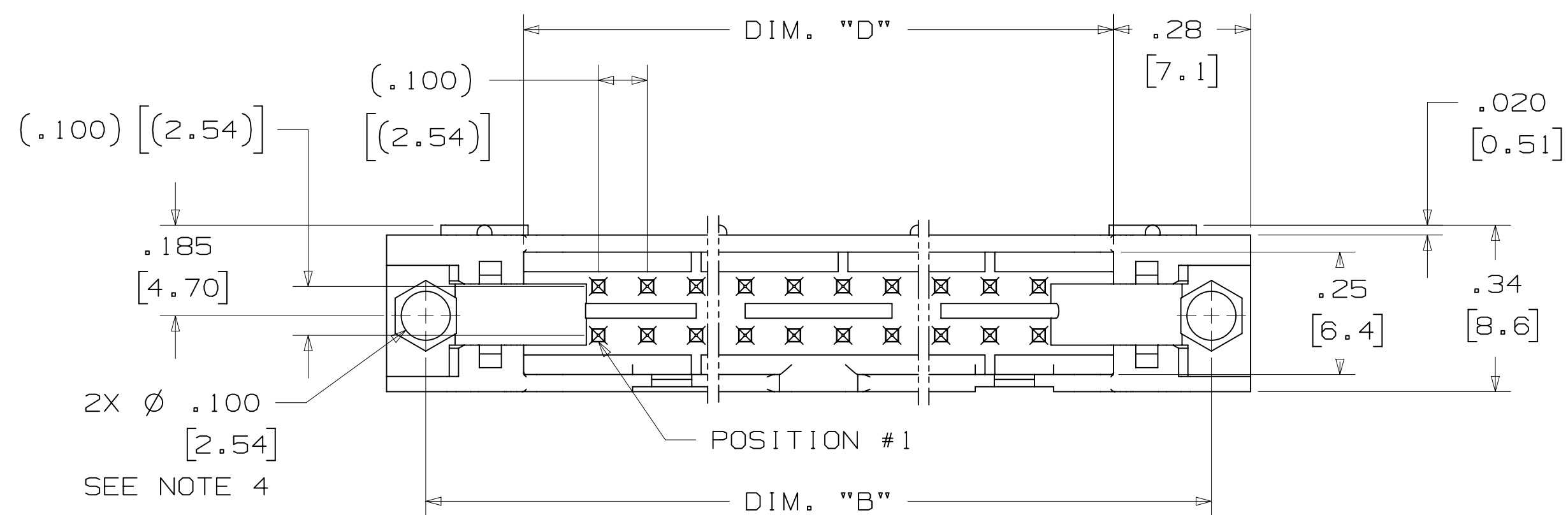
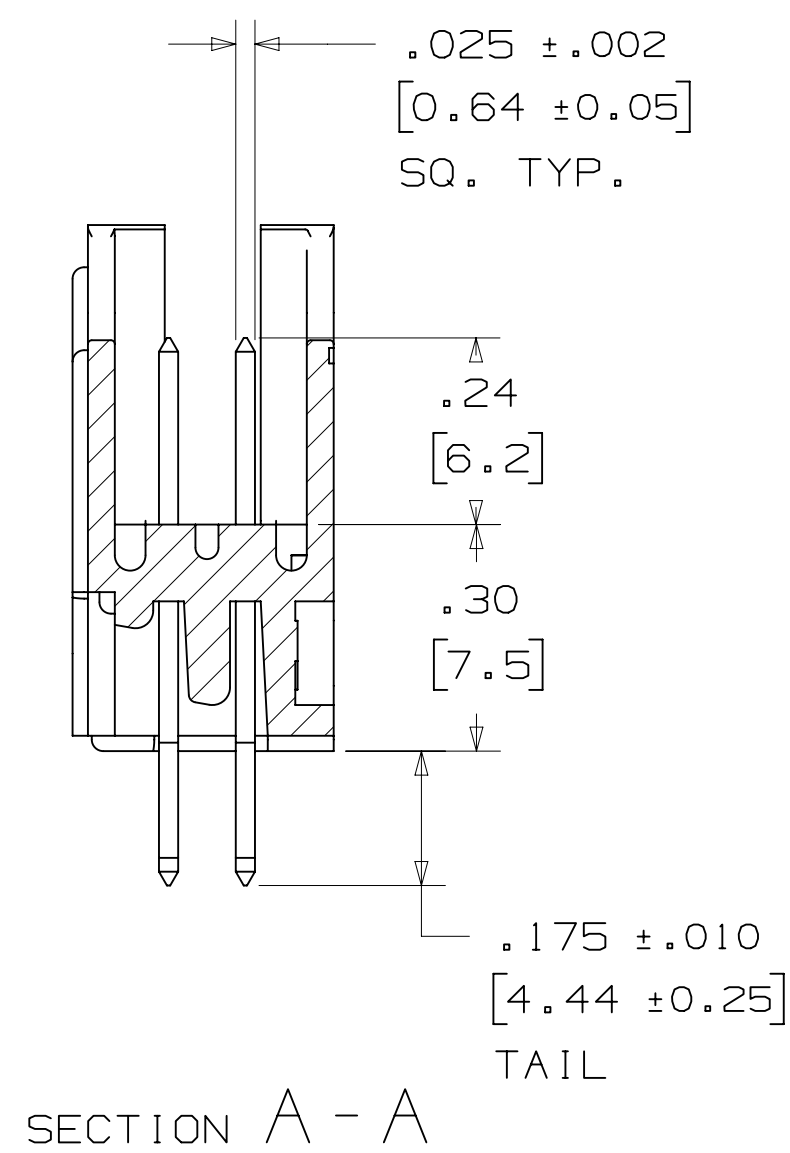


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405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

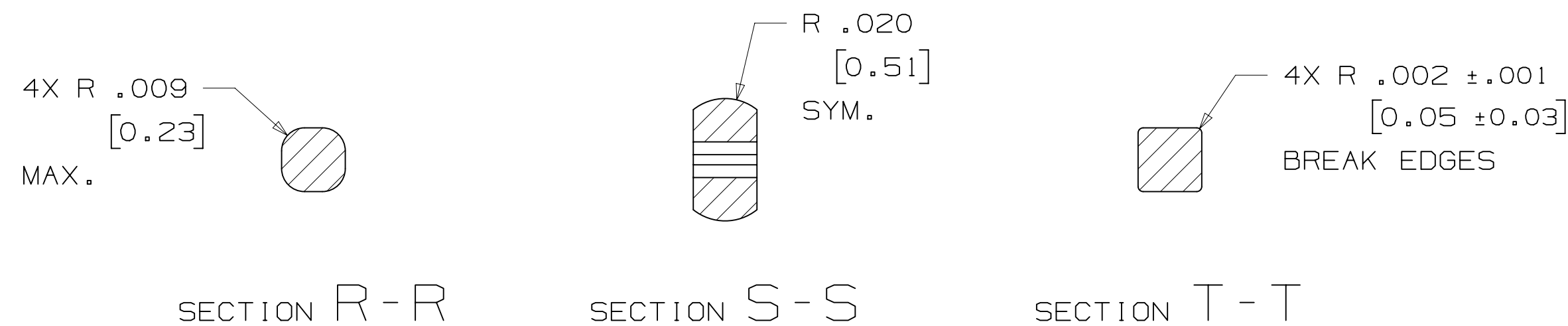
E 56068		JUL 31, 2014		JNC		R5	
REVISED AND REDRAWN							
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	
CHG		DATE		DATE		DATE	
CARTILIGLIONE		JUL 31, 2014		MFG		DATE	
APPR		DATE		APPR		DATE	
R. SCHERER				SEP 05, 2014			
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015			
Interconnect Solutions		EMSO		This document and the information it contains are 3M property and may not be reproduced or further disseminated without permission or for unauthorized purposes. All rights reserved.			
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144	
THIRD ANGLE PROJECTION		INCHES 0.0000 ± .01 0.0000 ± .005 0.0000 ± .0000		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN	
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0.0000 ± .3 0.0000 ± .13 0.0000 ± .0000		CASE NUMBER		SIZE	
MAX SURFACE ROUGHNESS 0.8 μm SURFACES		0.0000 ± .3 0.0000 ± .13 0.0000 ± .0000		D 78-5100-0478-7		REV.	
✓ ☐ MARKED ONLY		ANGLE		MODEL		DET	
				3000 SERIES		THIS ☐ 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

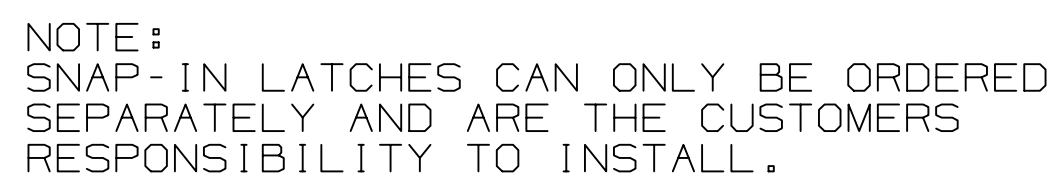


THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

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



Technical drawing of a vertical cylinder. The height is dimensioned as .318 [8.08]. The diameter is dimensioned as $\varnothing$.102 [2.59].

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]

Technical drawing of a 3M Breakaway Tab. The drawing includes a top view and a side view.

Top View:

- The central feature is a circular area with the "3M" logo.
- A dimension of $.34$ [8.5] is indicated for the diameter of the central circular area.
- A dimension of $.15$ [3.8] is indicated for the width of the base.

Side View:

- The side view shows the profile of the tab.
- A dimension of $.09$ [2.3] is indicated for the thickness of the tab.
- The label "BREAKAWAY TAB" is present with a leader line pointing to the top edge.
- The label "DIM. 'A'" is present with a leader line pointing to the base.

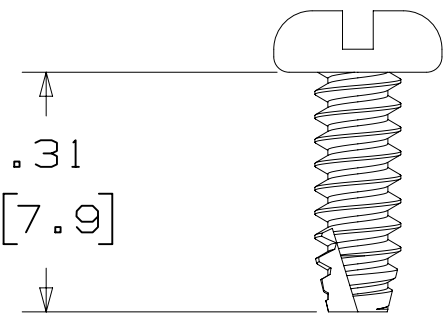
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

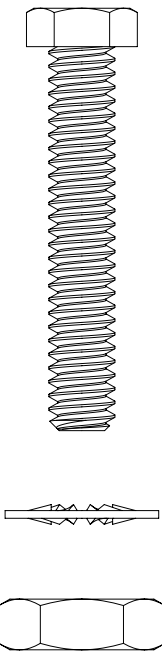
		E	56068	JUL 31, 2014	JNC	RS
		REVISED AND REDRAWN				
ASSEMBLY REFERENCE NEXT		REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ADDRESS CODES		CHG CASTIGLIONE		MFG JUL 31, 2014	DATE	
		CHGD		DATE	APPRV R. SCHERER	SHT SEP 05, 2014
DIVISION		END		© 3M COPYRIGHT 2015		
Interconnect Solutions				This document and its information is 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 ± 0 ± .3 ± .00 ± .13 ± .000 ±		CASE NUMBER SIZE DRAWING NO. D 78-5100-0478-7 E		
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		MODEL 3000 SERIES DET THIS YES YES NO SHT 3 OF 4		
SURFACES		MARKED ONLY				

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

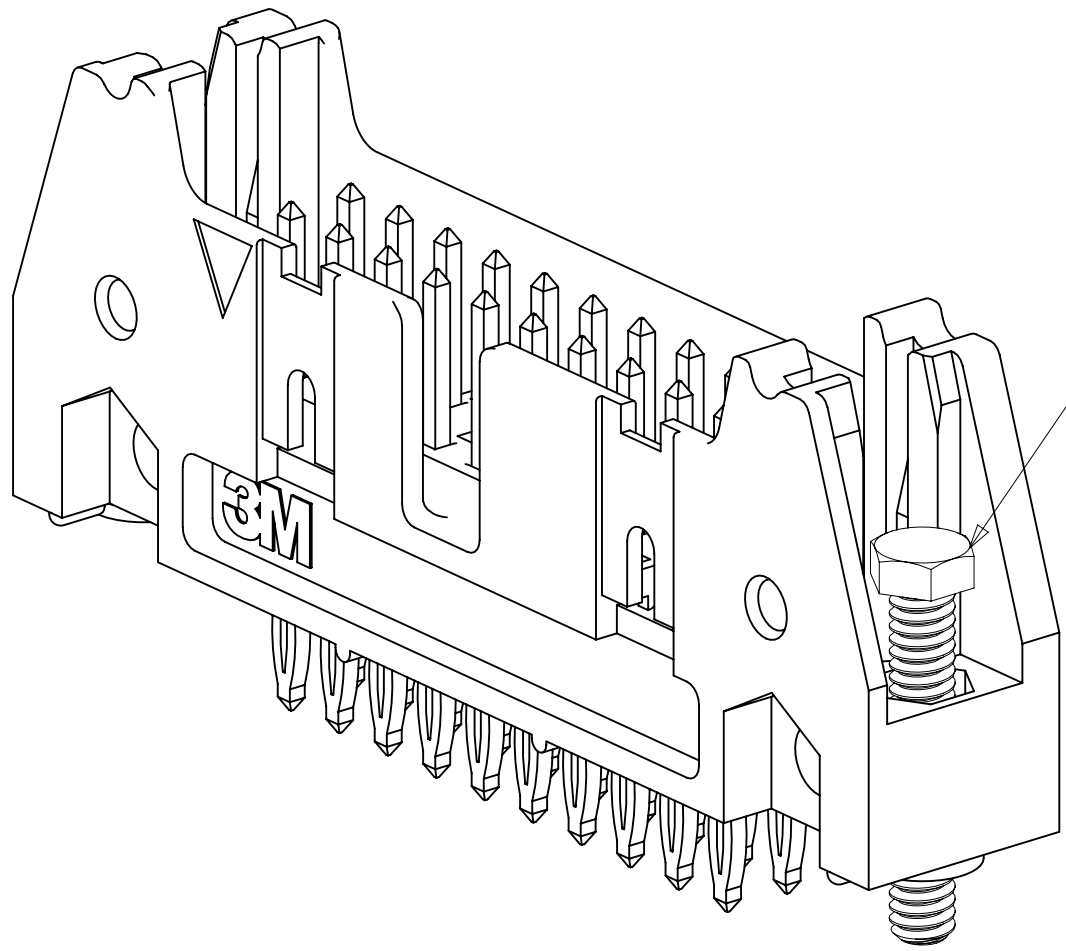
MOUNTING HARDWARE



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

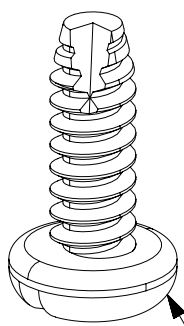
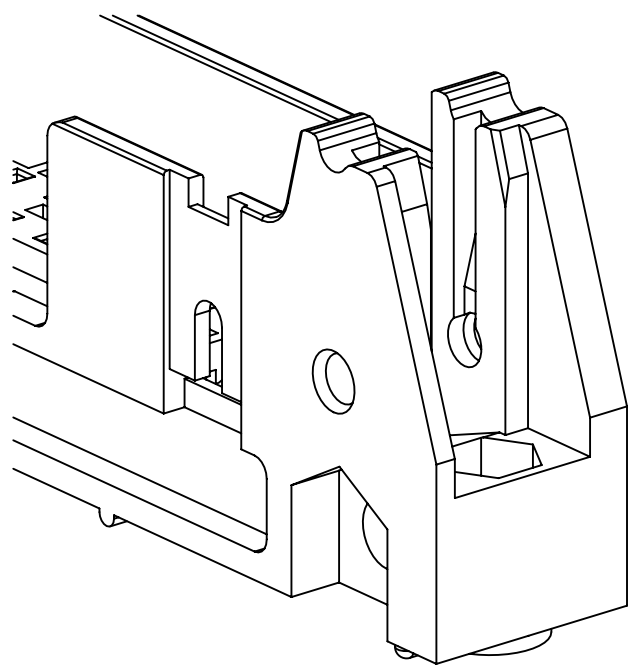


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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							
Interconnect Solutions		EMSD							
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		3M			
						© 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.			
						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	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[3408-660T02TC](#) [3428-5002UG](#) [3429-600T02TC](#) [3429-660T02TC](#) [3432-660T02TC](#) [3433-650T02TC](#) [3440-650T02TC](#) [3442-126](#) [3627-660T02TC](#) [3764-600T02TC](#) [3764-660T02TC](#) [3793-600T02TC](#) [3372-600T02TC](#) [3372-650T02TC](#) [3428-6605](#) [3440-660T02TC](#) [N3793-650T02RB](#) [N3408-660T02RB](#) [N3764-660T02RB](#) [3429-630T02TC](#) [N3432-630T02RB](#) [N3432-650T02RB](#) [3314-660T02TC](#) [3793-660T02TC](#) [3431-660T02TC](#) [3428-660T02TC](#) [3627-650T02TC](#) [3408-600T02TC](#) [3431-600T02TC](#) [3432-600T02TC](#) [3433-600T02TC](#) [3442-0052](#) [N3314-600T02RB](#) [N3314-620T02RB](#) [N3314-630T02RB](#) [N3372-600T02RB](#) [N3372-620T02RB](#) [N3372-630T02RB](#) [N3408-600T02RB](#) [N3408-620T02RB](#) [N3408-630T02RB](#) [N3428-600T02RB](#) [N3428-620T02RB](#) [N3428-630T02RB](#) [N3428-650T02RB](#) [N3428-660T02RB](#) [N3429-600T02RB](#) [N3429-620T02RB](#) [N3429-630T02RB](#) [N3431-600T02RB](#) [N3431-620T02RB](#) [N3431-630T02RB](#) [N3432-600T02RB](#) [N3432-620T02RB](#) [N3433-600T02RB](#) [N3433-620T02RB](#) [N3433-630T02RB](#) [N3440-600T02RB](#) [N3440-620T02RB](#) [N3440-630T02RB](#) [N3627-600T02RB](#) [N3627-620T02RB](#) [N3627-630T02RB](#) [N3764-600T02RB](#) [N3764-620T02RB](#) [N3764-630T02RB](#) [N3764-650T02RB](#) [N3793-600T02RB](#) [N3793-620T02RB](#) [N3793-630T02RB](#) [3428-5502UG](#) [3433-660T02TC](#) [N3314-660T02RB](#) [N3432-660T02RB](#) [N3793-660T02RB](#)