

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



X XXXX-6X0T02XX

- 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)

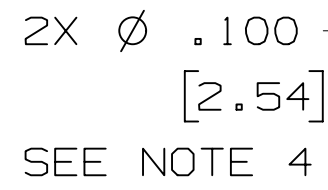
UL
UL FILE NO: E68080

- TEMPERATURE RATING: -55° C TO 105° C

- 4 MOUNTING HARDWARE:
REAR ENTRY:
#4-24 THREAD CUTTING SCREW
(3M PART #3341-5) WITH
 $\varnothing .116$ [2.95] MOUNTING HOLE.
FRONT ENTRY:
(PRIOR TO INSTALLATION OF LATCH)
#2-56 BOLT AND NUT (3M PART
#3341-6) WITH $\varnothing .106$ [2.69]
MOUNTING HOLE.

Imaged: E.4 2/10/2015 8:22 AM UTC-06:00

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



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

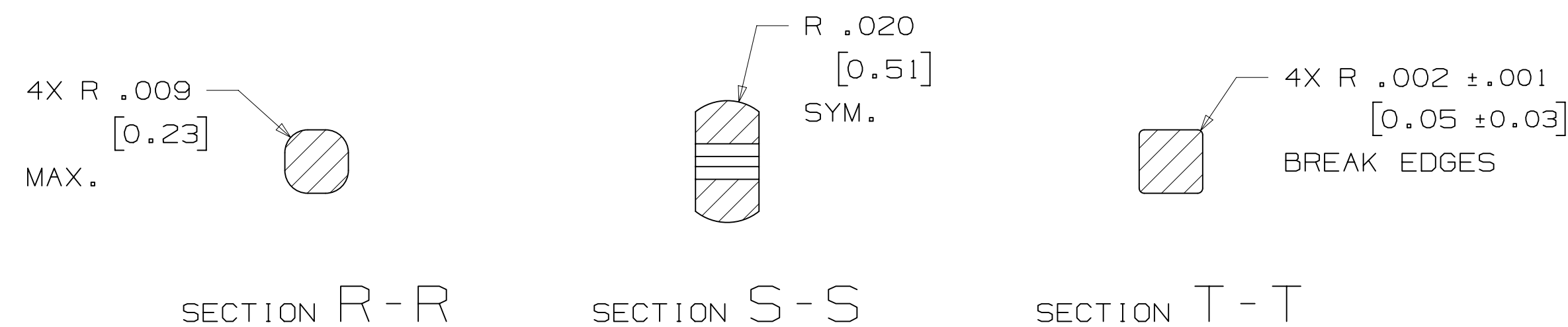
ASSEMBLY EQUIPMENT:
USE 3442-00XX PLATEN (SEE TABLE #1) AND APPROPRIATE COMMERCIAL ARBOR PRESS
TO PRESS HEADER INTO PC BOARD.

E 56068		JUL 31, 2014		JNC	RS
REVISED AND REDRAWN					
ASSEMBLY		DESCRIPTION		DRFT	CHKD
REV ECO		DATE JUL 31, 2014		INFO DATE	
CHKD		DATE		APP'D R. SCHERER	DATE 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 the 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.	
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED INCHES .00 ± .01 .000 ± .005 .0000 ±		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN	
THIRD ANGLE PROJECTION		MILLIMETERS .0 ± .3 .00 ± .13 .000 ±		CAGE NUMBER D 78-5100-0478-7	
INTERPRET PER ASME Y14.5 - 2009 MAX SURFACE ROUGHNESS 16.0 SURFACES ☒ MARKED ONLY		MODEL 3000 SERIES		REV. E 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



THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

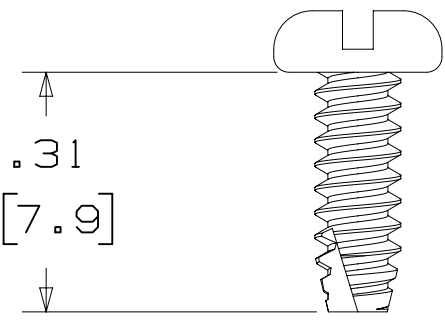
NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

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

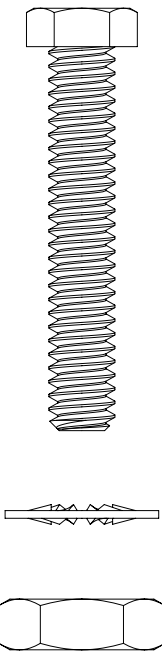
E 56068		JUL 31, 2014		JNC		R5	
REVISED AND REDRAWN							
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	
CHG		DATE		DATE		DATE	
CARTILIGIONE		JUL 31, 2014		MFG		DATE	
APPR		DATE		APPR		DATE	
R. SCHERER				SEP 05, 2014			
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2015			
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DO 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

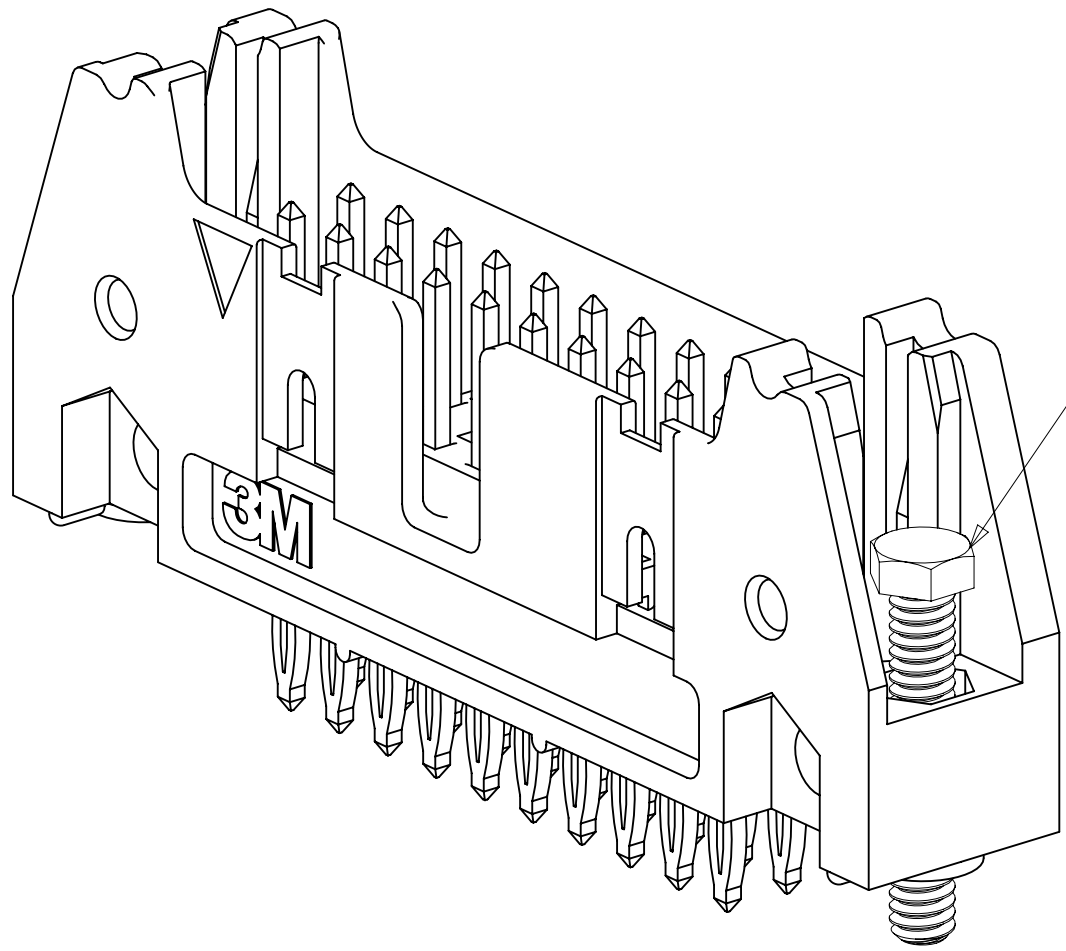
MOUNTING HARDWARE



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

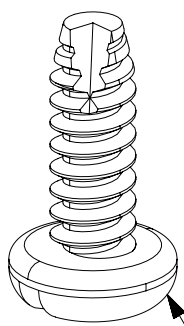
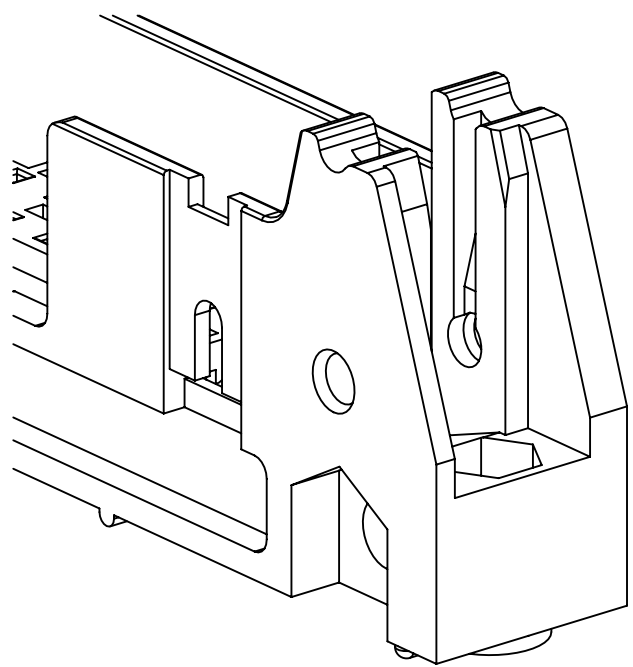


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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.

E		56069		JUL 31, 2014		JNC		RS	
DESIGN REFERENCE				NEXT ASSEMBLY		REVISED AND REDRAWN			
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
CASTIGLIONE		DATE		JUL 31, 2014		MFG		DATE	
CHKD		DATE		APPR		R. SCHERER		DATE SEP 05, 2014	
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DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED					
				INCHES					
				.00 ± .01					
				.000 ± .005					
				.0000 ±					
THIRD ANGLE PROJECTION				MILLIMETERS					
				0 ±					
				.0 ± .3					
				.00 ± .13					
				.000 ±					
MAX SURFACE ROUGHNESS				CAGE NUMBER					
✓		✓		D 78-5100-0478-7					
✓		✓		REV. E					
✓		✓		MODEL 3000 SERIES					
✓		✓		DET. YES NO SHT 4 OF 4					
✓		✓							