

.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[®]
US
UL FILE NO: E68080

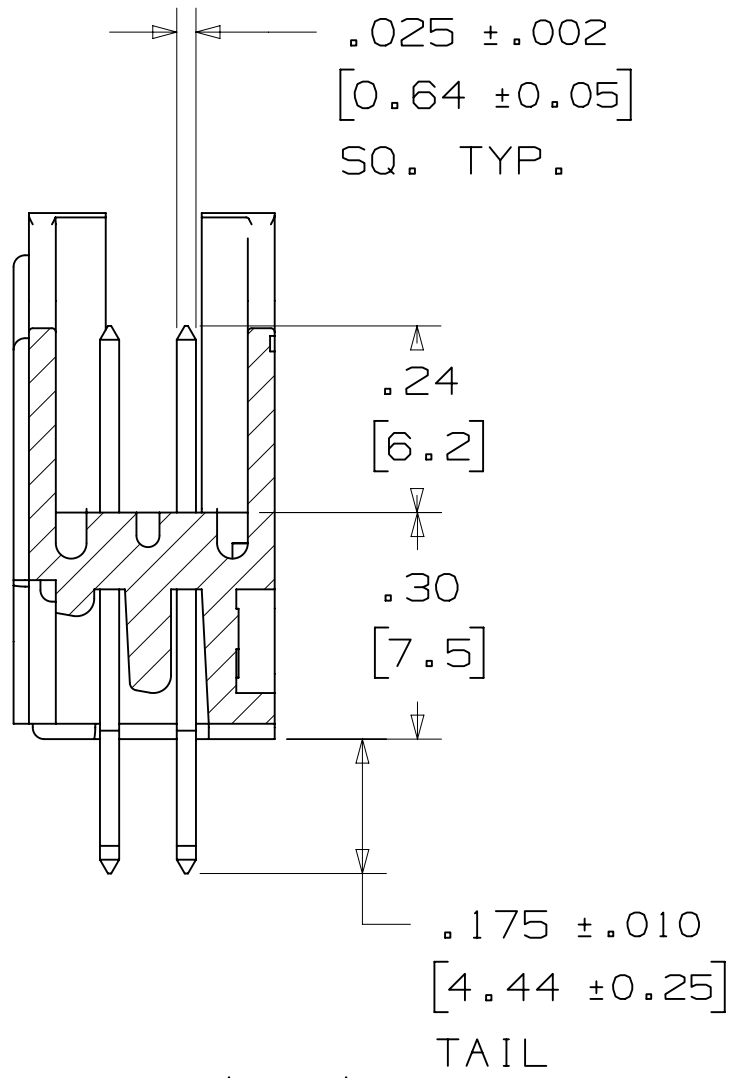
- TEMPERATURE RATING: -55° C TO 105° C

- 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

3M™ FOUR-WALL HEADER, 3000 SERIES

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



SECTION A - A

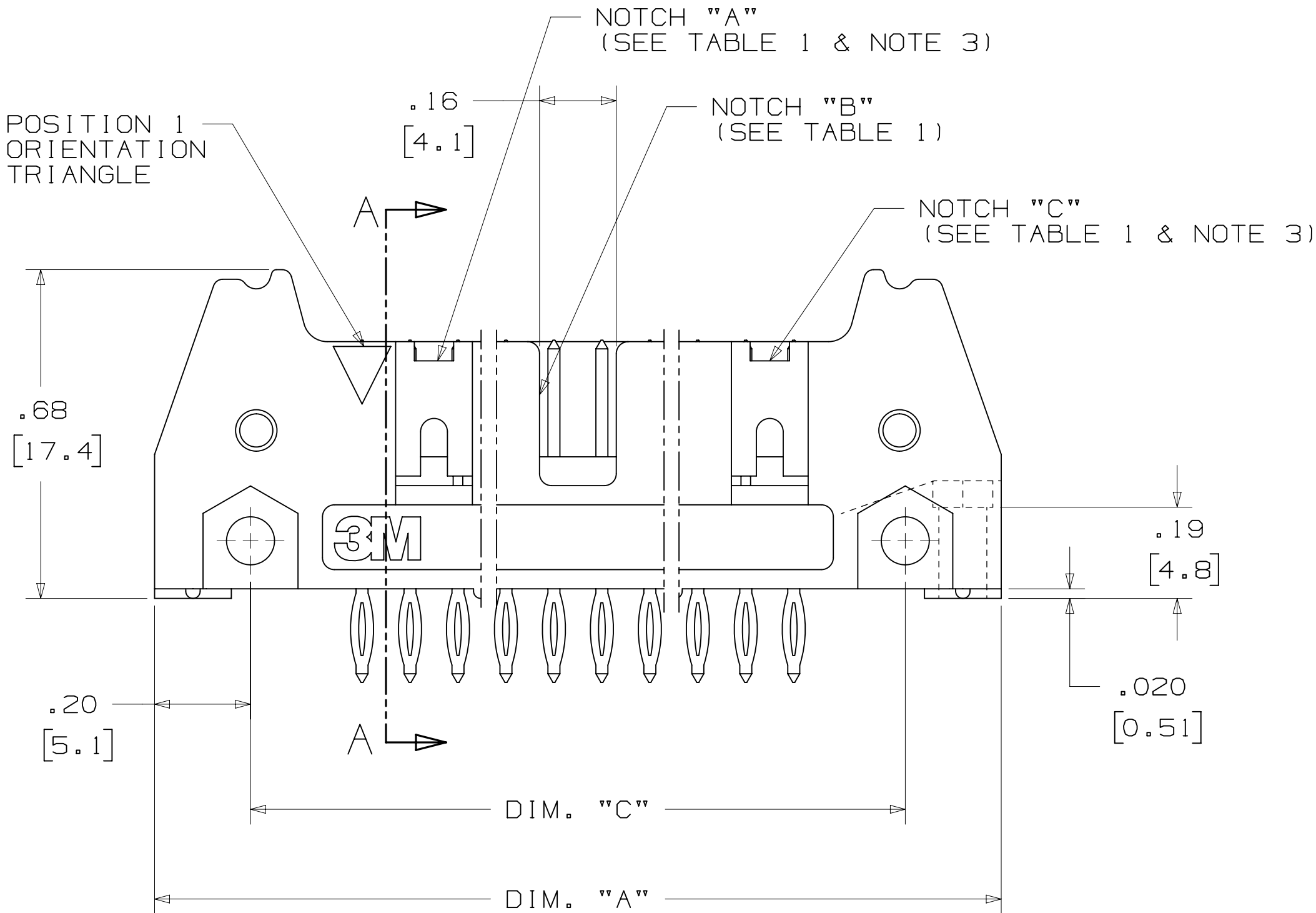
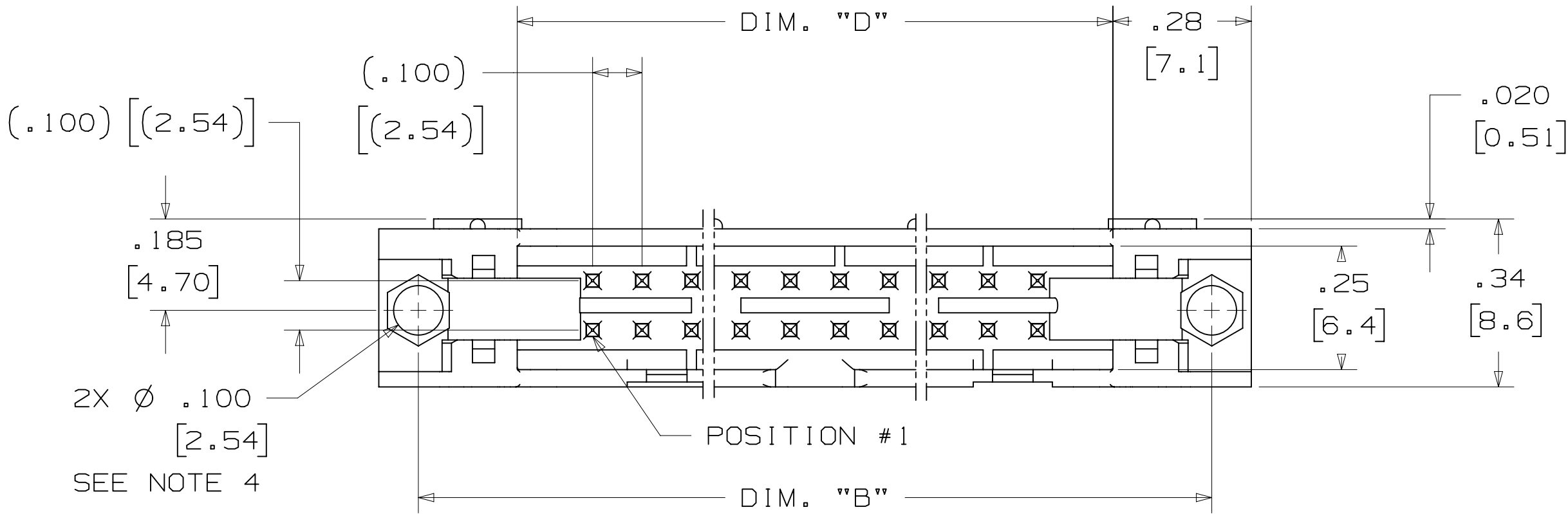


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405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

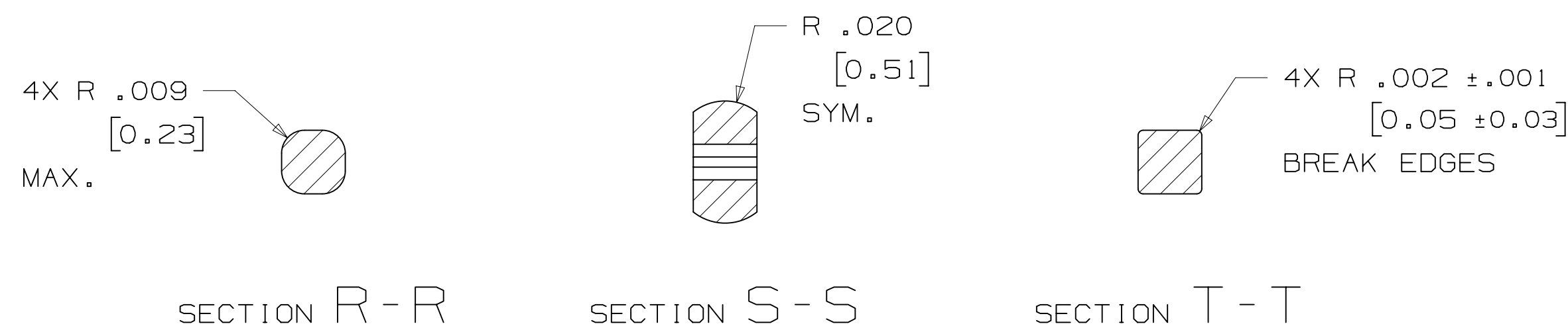
ASSEMBLY EQUIPMENT:
USE 3442-00XX PLATEN (SEE TABLE #1) AND APPROPRIATE COMMERCIAL ARBOR PRESS
TO PRESS HEADER INTO PC BOARD.

DESIGN REFERENCE		NEXT ASSEMBLY		E 56068		JUL 31,2014		JNC		RS	
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD			
XREF CODES		DPR CASTIGLIONE		DATE JUL 31,2014		MFG		DATE			
CHKD		DATE		APPRV R. SCHERER		DATE SEP 05,2014					
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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 12.5 SURFACES		MARKED ONLY		CAGE NUMBER D78-5100-0478-7		REV. E	
MODEL 3000 SERIES		DET LISTS		YES XNO		SHT 2 OF 4					

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



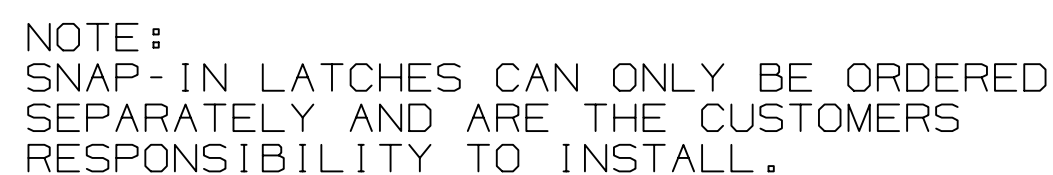
HOLE SIZE FOR:
 * PREFERRED DRILLED: $\varnothing .0453 \pm .0005$
 * ACCEPTABLE DRILLED: $\varnothing .0453 \pm .0005 / - .0010$
 * AFTER ETCHBACK: $\varnothing .0460$ MAX.
 * AFTER PLATING: $\varnothing .040 \pm .003$
 * BOARD THICKNESS: .093 TO .150
 PLATING:
 * .001 MIN. COPPER PLATING THICKNESS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

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.
- Below the logo is a rectangular tab.
- Dimensions for the top view:
 - Vertical dimension: $.34$ [8.5]
 - Horizontal dimension: $.15$ [3.8]

Side View:

- Shows the profile of the tab.
- Dimensions for the side view:
 - Thickness: $.09$ [2.3]
 - Overall height: DIM. "A"

Labels:

- BREAKAWAY TAB

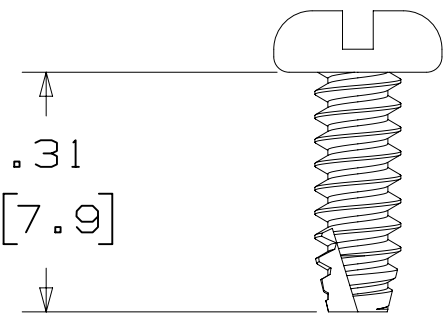
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

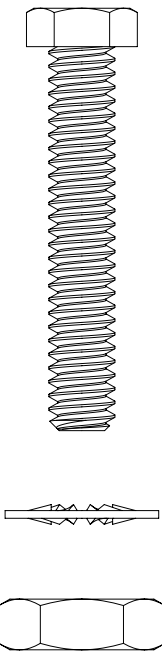
E 56068		JUL 31, 2014		JNC	RS
REVISED AND REDRAWN					
REV ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
REV C CASTIGLIONE		DATE JUL 31, 2014		DATE	
CHGD		DATE		APPR. R. SCHERER	DATE SEP 05, 2014
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DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M St. Paul, MN 55144	
SCALE 4 1		INCHES 0.0000 ± .001 0.0000 ± .005 0.0000 ± .010 0.0000 ± .015		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR STR, COMPLIANT PIN	
THIRD ANGLE PROJECTION		MILLIMETERS 0.00 ± .13 0.00 ± .13 0.00 ± .13 0.0000 ± .010		CAGE NUMBER D 78-5100-0478-7 E	
INTERPRET PER ASME Y14.5 - 2009		SIZE 3		DRAWING NO.	
MAX. SURFACE ROUGHNESS 16.00 μm ✓		MODEL 3000		SERIES	
UNFINISHED SURFACES □ MARKED ONLY		DETAILS YES YES NO		SHT 3 OF 4	

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

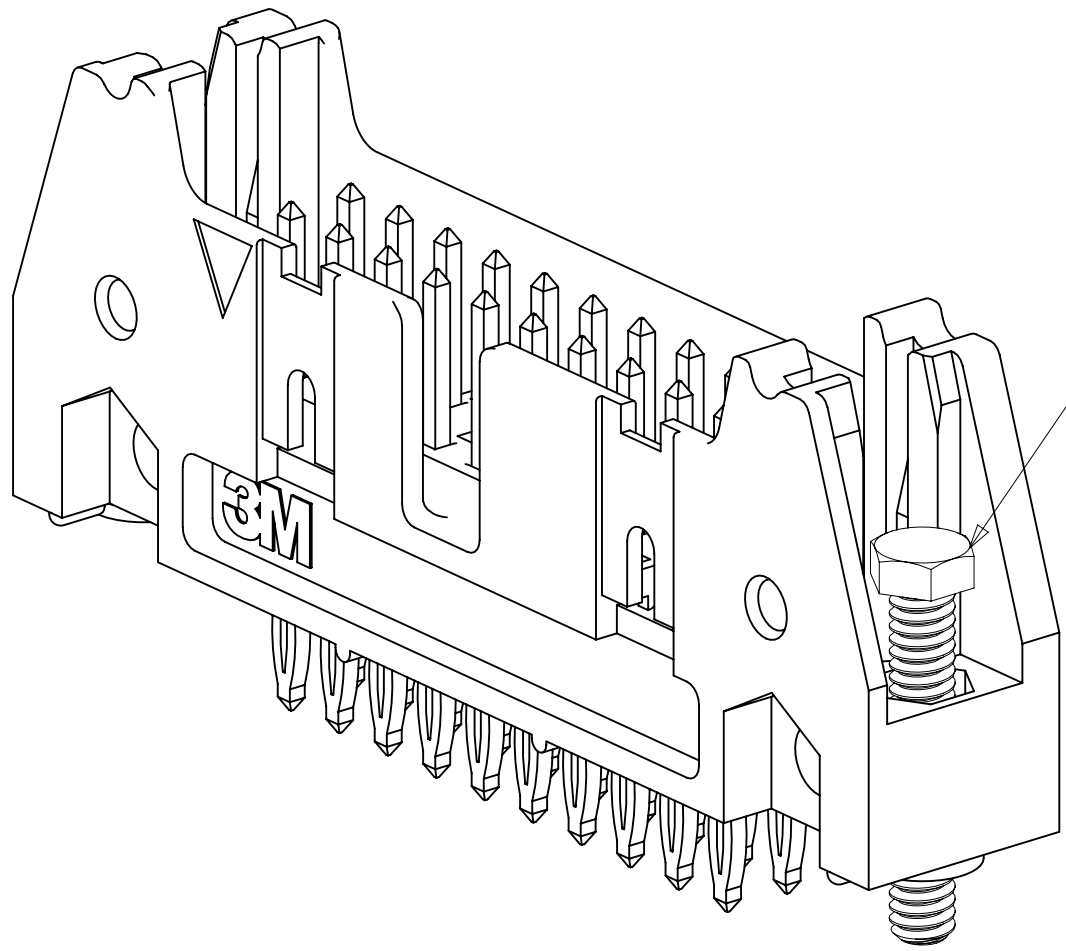
MOUNTING HARDWARE



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

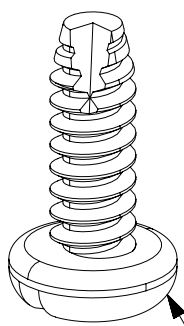
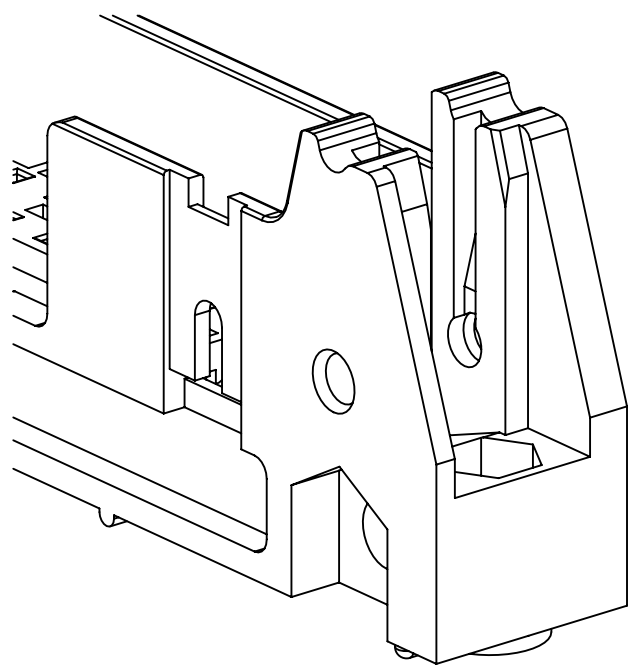


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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
X		X		DRP	CASTIGLIONE	DATE	JUL 31, 2014	MFG	DATE
DIVISION		DIVISION CODE		CHKD		DATE		APPR	DATE
Interconnect Solutions		EMSD						R. SCHERER	SEP 05, 2014
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		3M			
THIRD ANGLE PROJECTION		INCHES .00 ± .01 .000 ± .0005 .0000 ±		MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±		TITLE			
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		CAGE NUMBER		SIZE		DRAWING NO.	
MARKED ONLY		ANGLES		NUMBER		D		78-5100-0478-7	
				MODEL		3000 SERIES		REV.	
						DET		YES	
						NO		SHT 4 OF 4	

Mouser Electronics

Authorized Distributor

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