

.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)

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

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

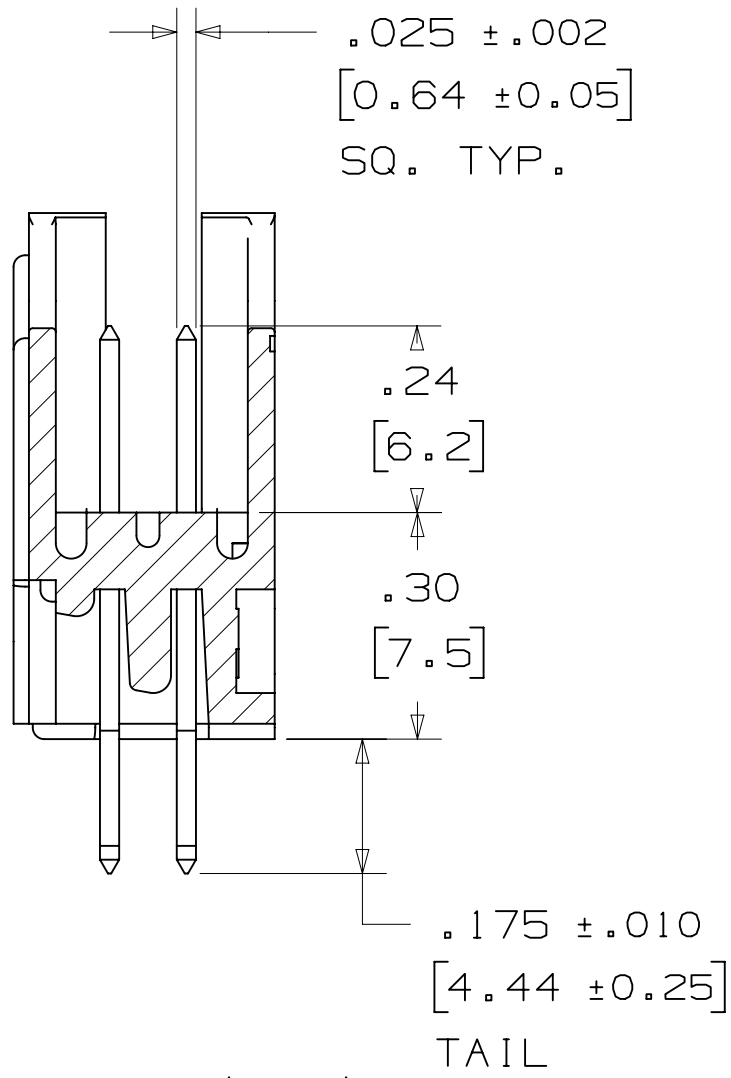
4 MOUNTING HARDWARE:
 REAR ENTRY:
 #4-24 THREAD CUTTING SCREW
 (3M PART #3341-5) WITH
 Ø .116 [2.95] MOUNTING HOLE.
 FRONT ENTRY:
 (PRIOR TO INSTALLATION OF LATCH)
 #2-56 BOLT AND NUT (3M PART
 #3341-6) WITH Ø .106 [2.69]
 MOUNTING HOLE.

DIMENSIONS: INCHES [MM] [MM] IS REF. ONLY				E 56068		JUL 31, 2014		JNC	RS
DESIGN REFERENCE				NEXT ASSEMBLY					
ACCESS CODES				REV ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XXXXXXXXXX		XXXXXXXXXX		CST1G1ONE		DATE JUL 31, 2014		DATE	
XXXXXXXXXX		XXXXXXXXXX		CHKD		DATE		APPRV. R. SCHERER	DATE SEP 05, 2014
DIVISION				DIVISION CODE					
Interconnect Solutions				EMSD					
DO NOT SCALE DRAWING		SCALE 2		TOLERANCES EXCEPT AS NOTED					
				INCHES .00 ± .01 .000 ± .005 .0000 ±					
THIRD ANGLE PROJECTION				MILLIMETERS 0 ± .00 ± .3 .000 ± .13 .000 ±					
INTERPRET PER ASME Y14.5 - 2009									
MAX. SURFACE ROUGHNESS						CAGE NUMBER		SIZE	DRAWING NO.
✓		MAX. SURFACES				D 78-5100-0478-7		E	REV.
✓ ☐ MARKED ONLY				ANGLES		MODEL		3000 SERIES	DET. LISTS ☐ YES ☒ 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



SECTION A - A

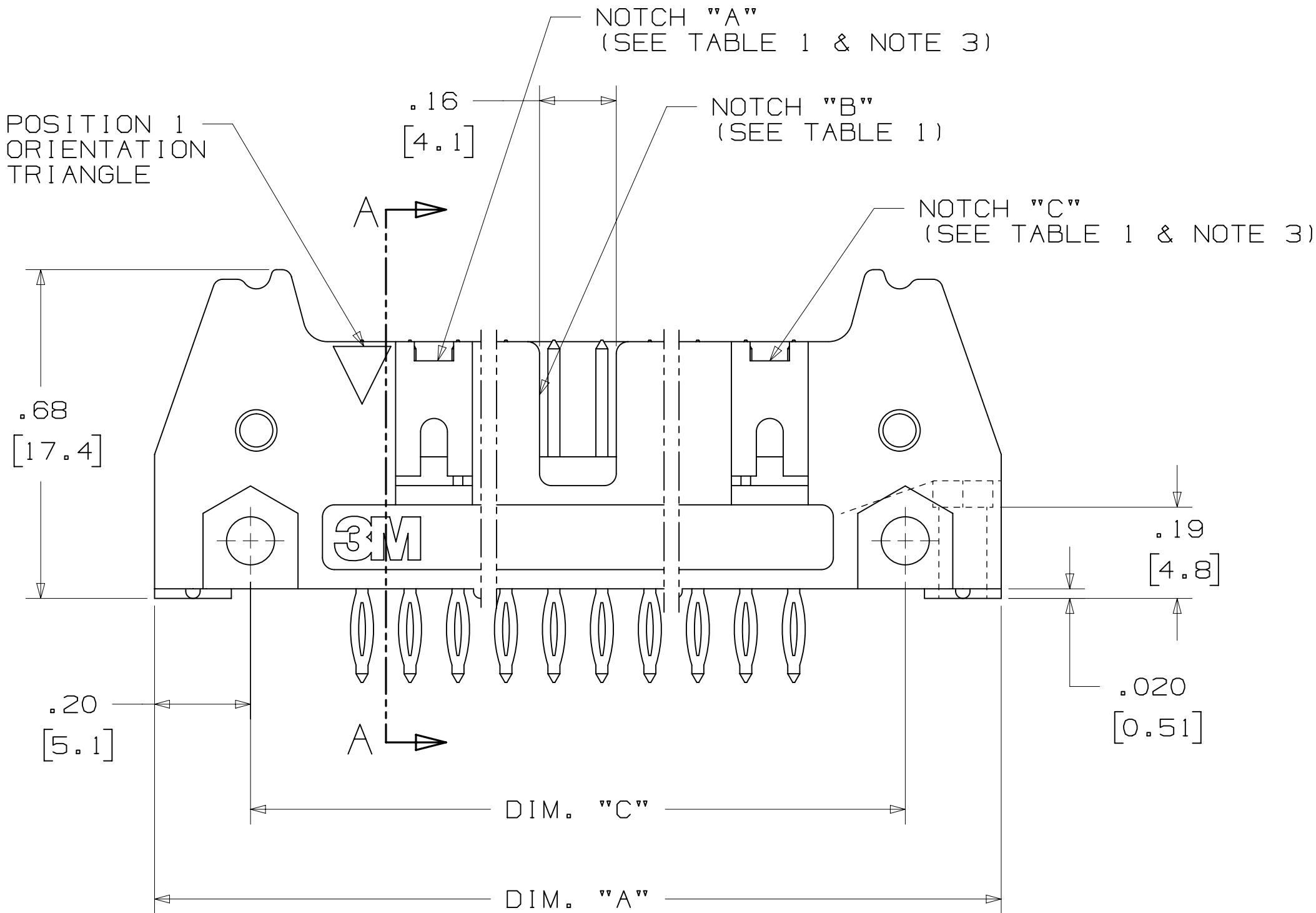
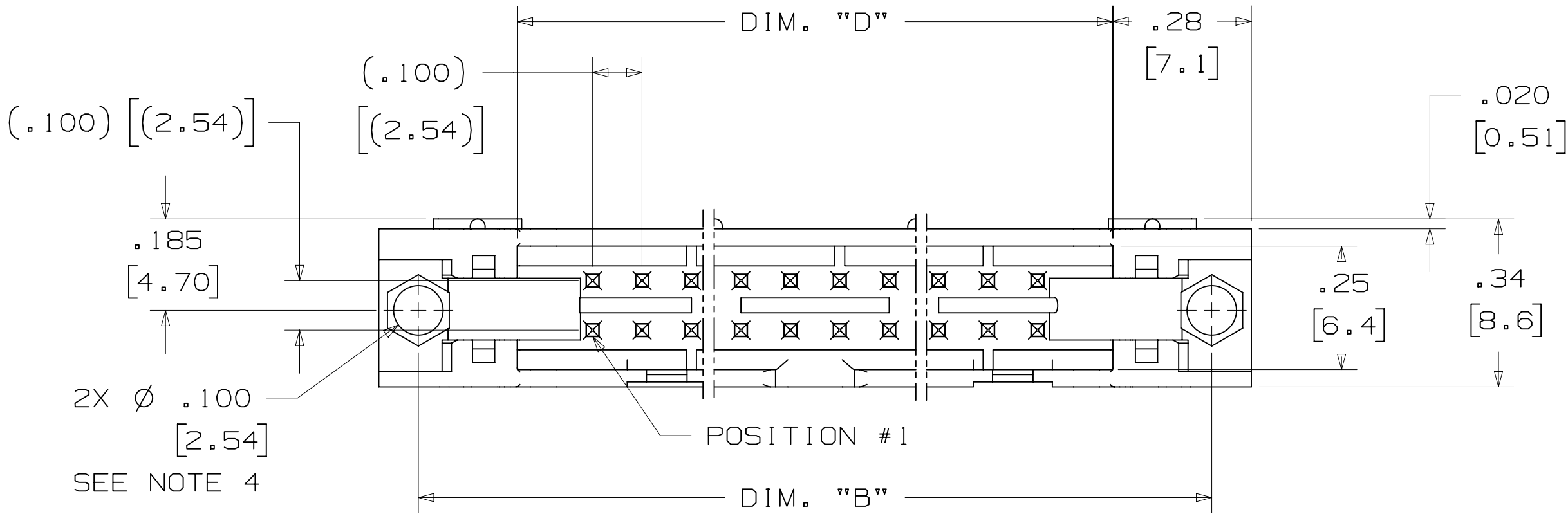
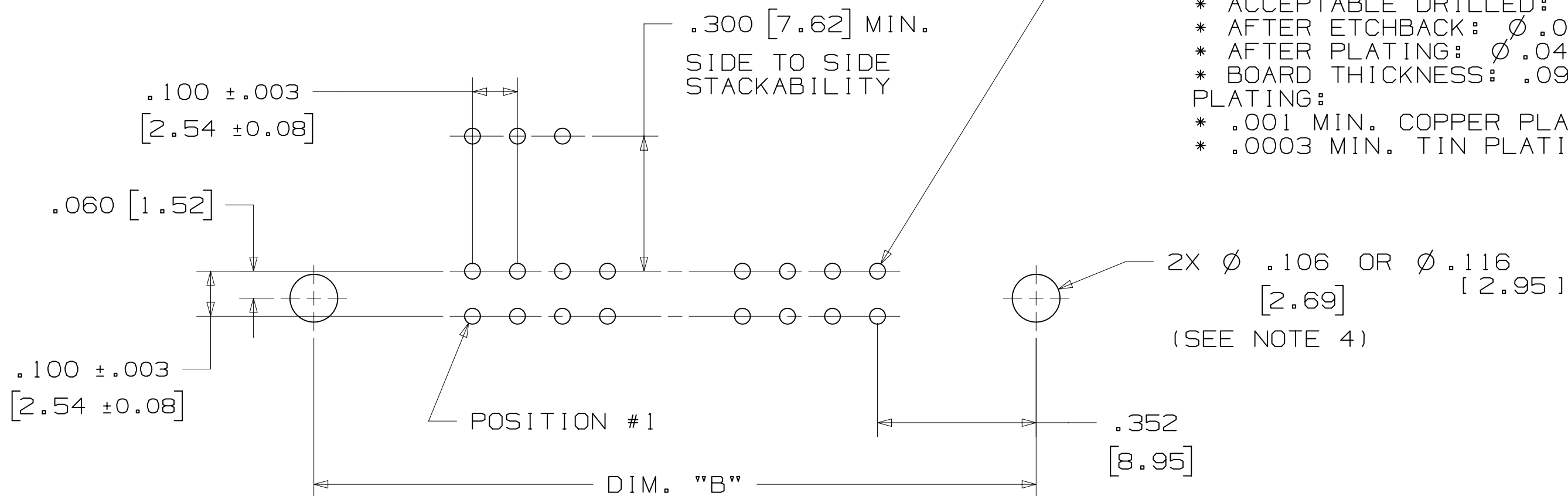


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405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

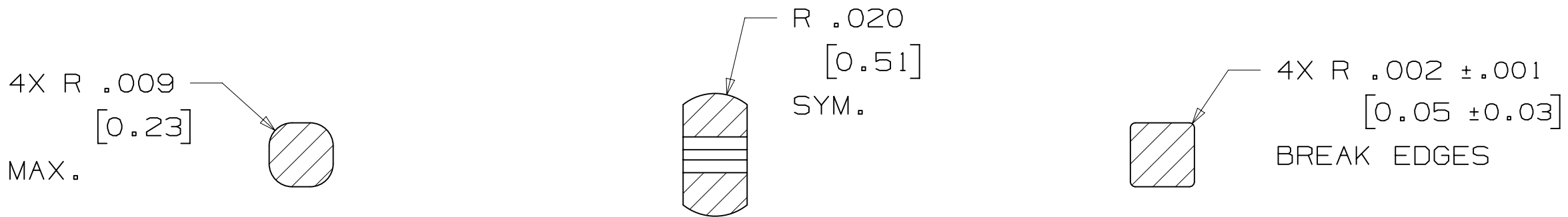
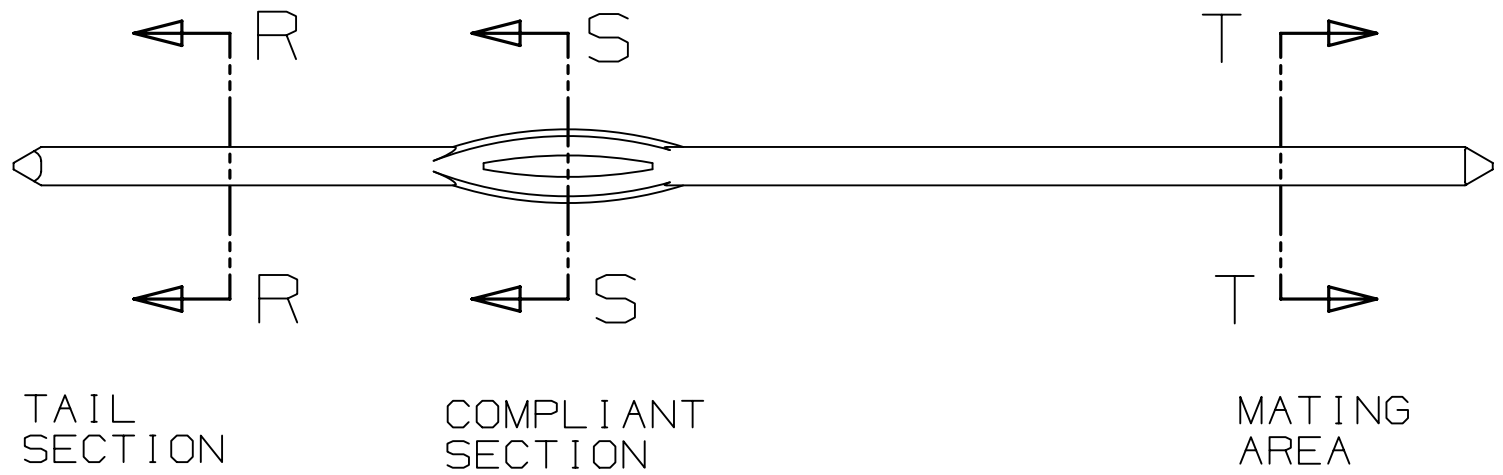
ASSEMBLY EQUIPMENT:
USE 3442-00XX PLATEN (SEE TABLE #1) AND APPROPRIATE COMMERCIAL ARBOR PRESS
TO PRESS HEADER INTO PC BOARD.

DESIGN REFERENCE		NEXT ASSEMBLY		E 56068	JUL 31,2014		JNC	RS	
REV		ECO		REVISED AND REDRAWN				DRFT	CHKD
DIP CAST		GLIGLIONE		DATE JUL 31,2014		MFG DATE		DATE	
CHKD		DATE		APPRV R. SCHERER		DATE SEP 05,2014			
DIVISION Interconnect Solutions		DIVISION CODE EMSD		3M 3M Center St. Paul, MN 55144					
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		© 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.			
THIRD ANGLE PROJECTION		INCHES .0 ± .01 .000 ± .0005 .0000 ±		TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN					
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .0 .00 ± .13 .000 ±		CAGE NUMBER D78-5100-0478-7		DRAWING NO.		REV. E	
MAX SURFACE ROUGHNESS 12.5 SURFACES		MARKED ONLY		MODEL 3000 SERIES		DET LISTS		YES X NO SHT 2 OF 4	

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



RECOMMENDED MOUNTING HOLE PATTERN



SECTION R-R SECTION S-S SECTION T-T

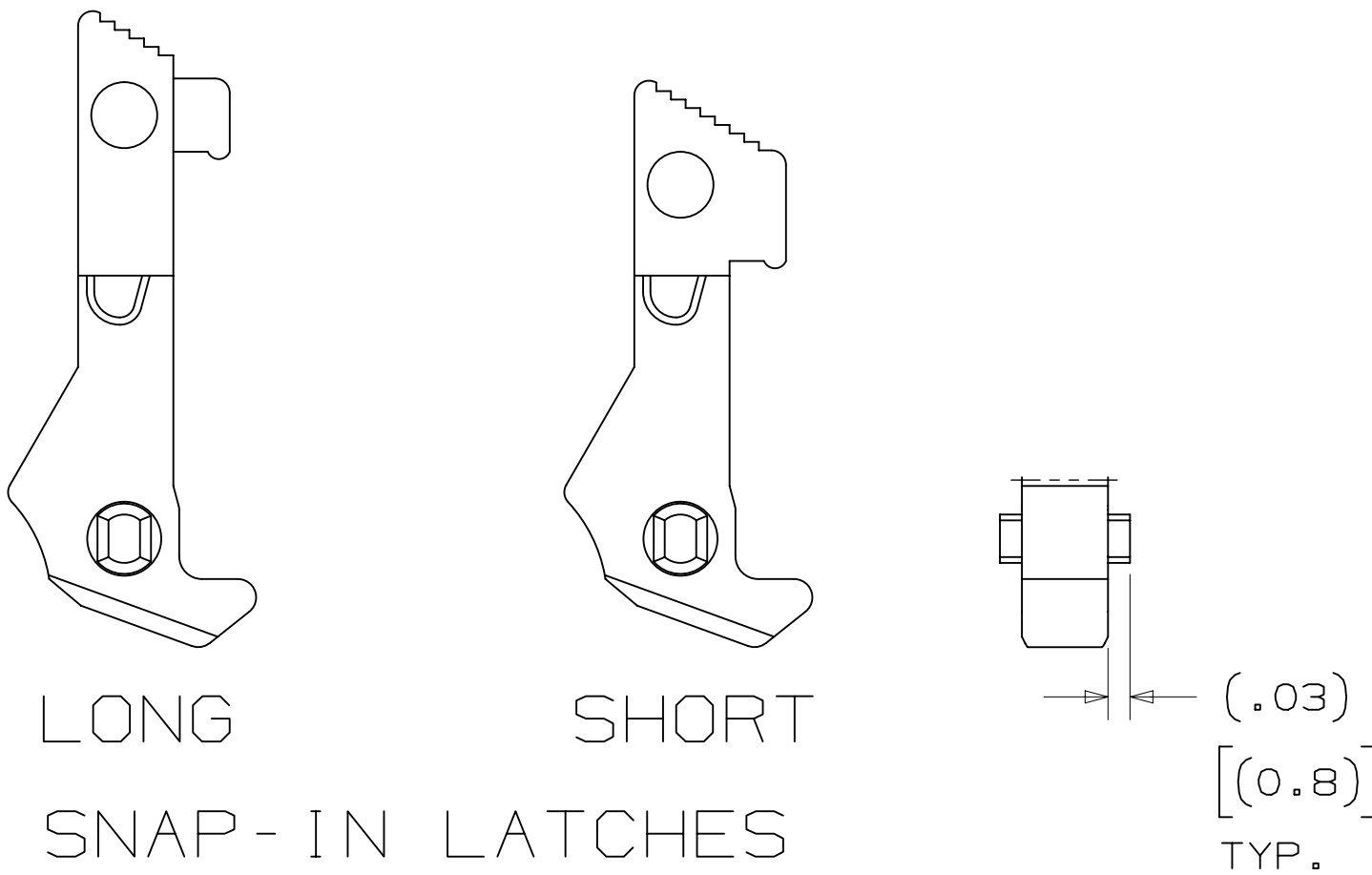
PART CUSTOMIZATION

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.

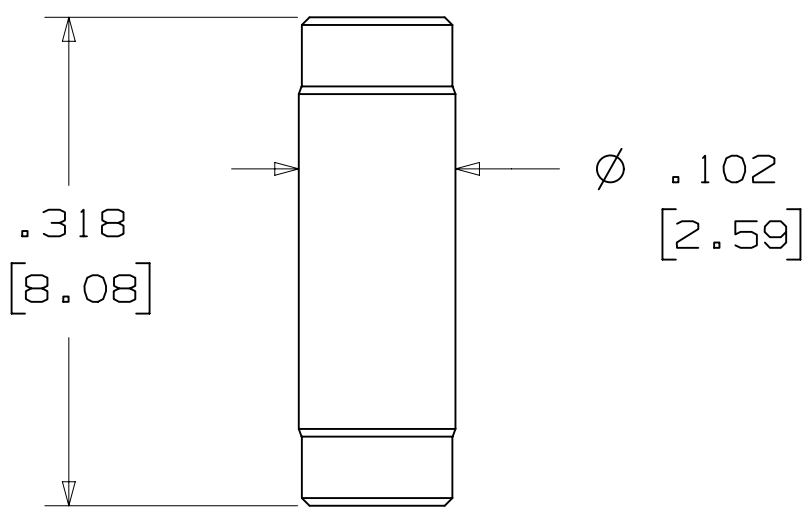
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



LONG SHORT
SNAP-IN LATCHES

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

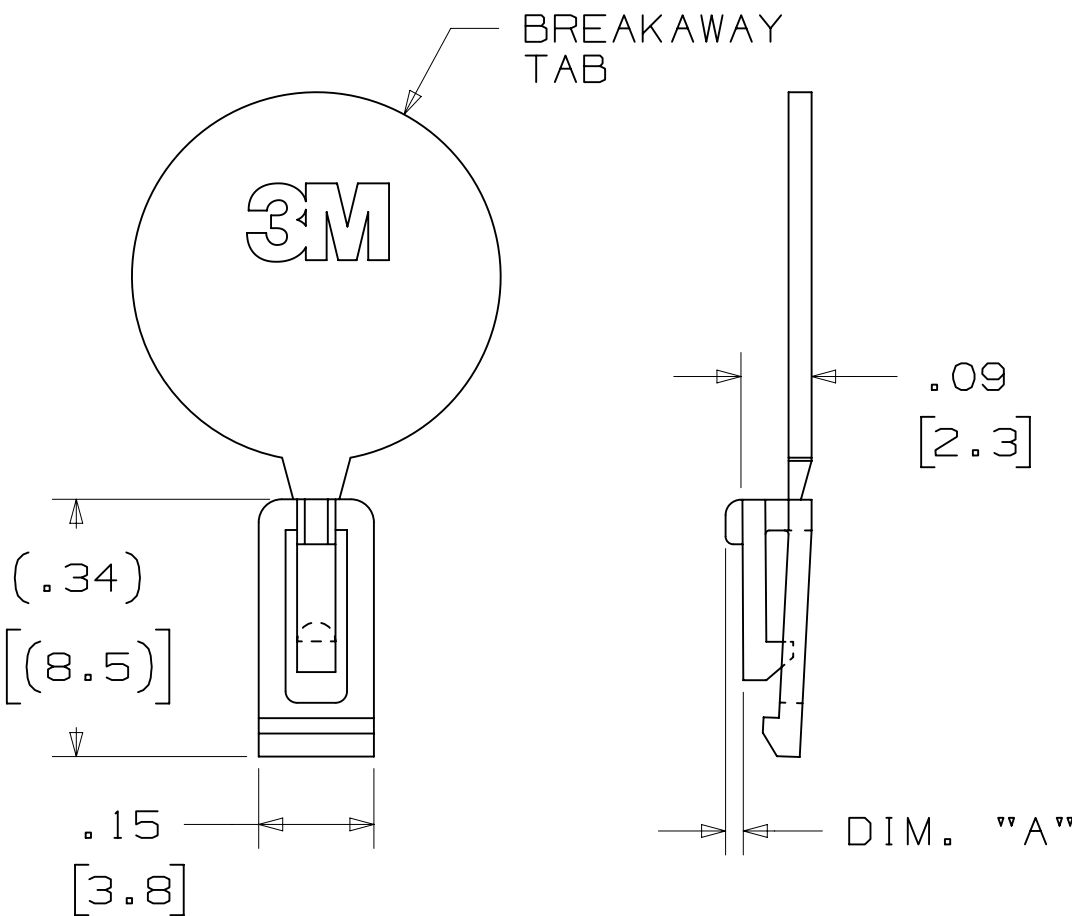
POLARIZING POST



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]

POLARIZING KEY



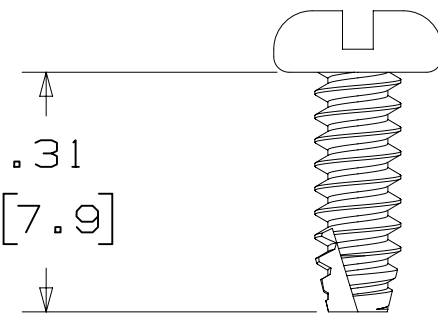
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

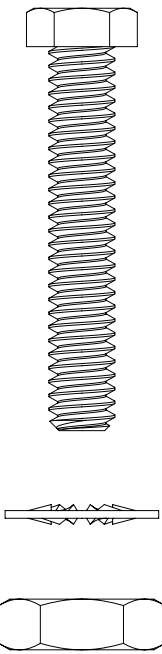
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DO NOT SCALE DRAWING	SCALE 4/1	DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED	DO NOT SCALE DRAWING	SCALE 4/1
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS	MARKED ONLY	INCHES .00 ±.01 .000 ±.005 .0000 ±.0000	MILLIMETERS 0 ±.3 .00 ±.13 .000 ±.000	ANGLES
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	TITLE	HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN	REV.
DATE	JUL 31, 2014	DATE	JUL 31, 2014	DATE	SEP 05, 2014	DATE
APPROVED	R. SCHERER	APPROVED	R. SCHERER	APPROVED	R. SCHERER	APPROVED
CAGE NUMBER	3000 SERIES	CAGE NUMBER	3000 SERIES	CAGE NUMBER	3000 SERIES	CAGE NUMBER
MODEL	3000 SERIES	MODEL	3000 SERIES	MODEL	3000 SERIES	MODEL
LISTS	YES	LISTS	YES	LISTS	YES	LISTS
YES	YES	YES	YES	YES	YES	YES
NO	NO	NO	NO	NO	NO	NO
SHT	3	SHT	3	SHT	3	SHT
OF	4	OF	4	OF	4	OF

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

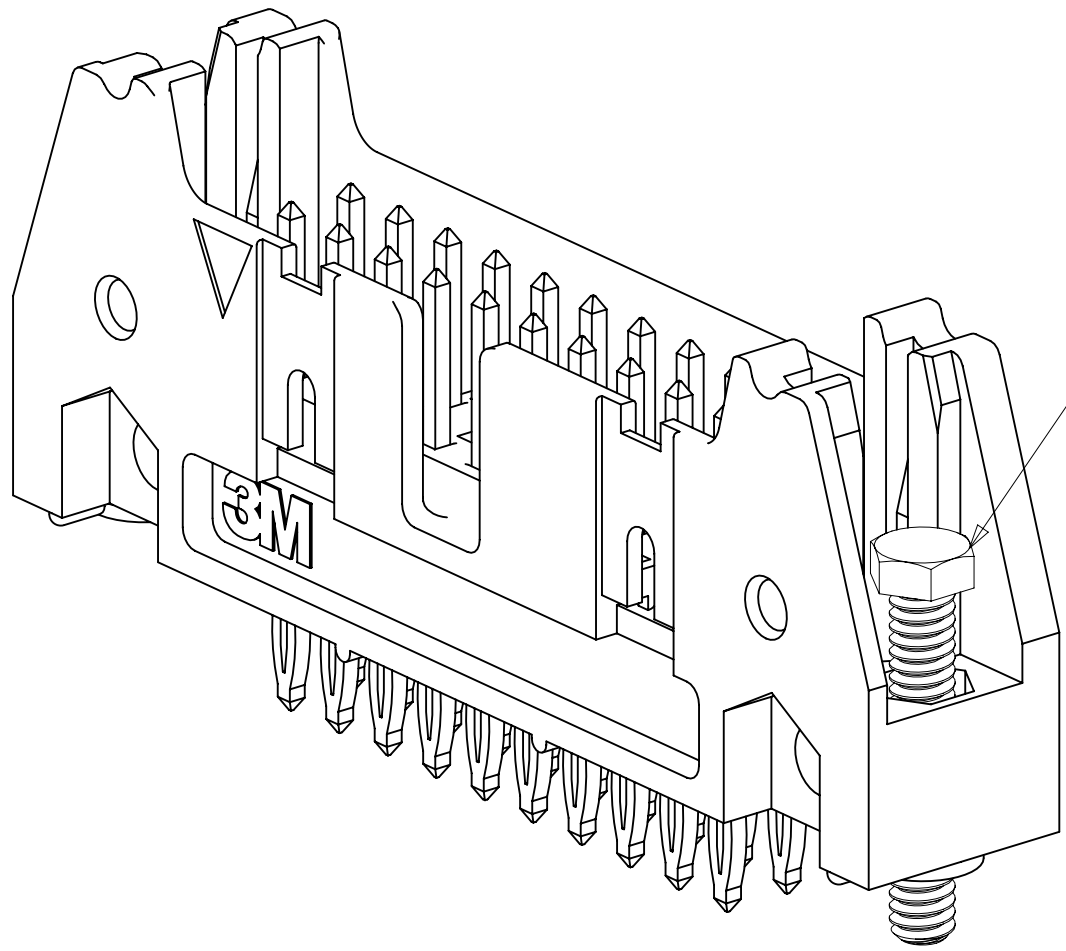
MOUNTING HARDWARE



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

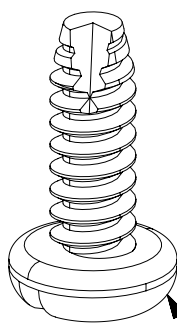
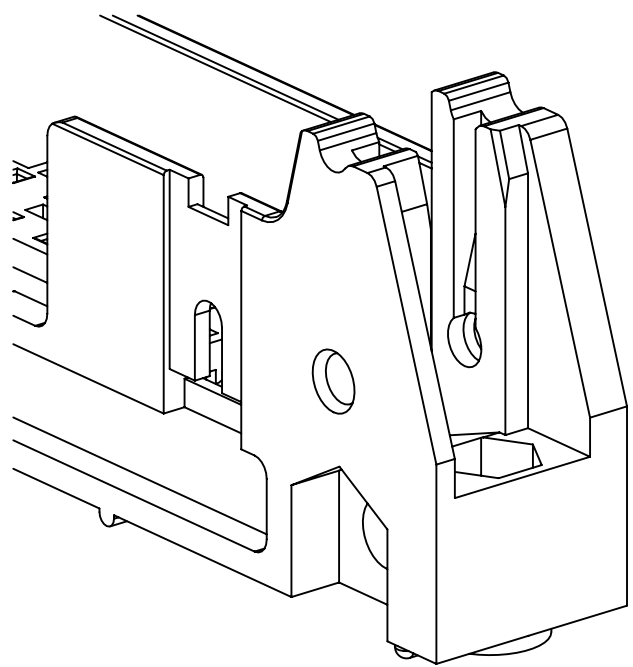


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL

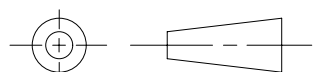


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

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		56068		JUL 31, 2014		JNC		RS																							
DESIGN REFERENCE				NEXT ASSEMBLY				REV		ECO		REVISED AND REDRAWN				ISSUE DATE AND DESCRIPTION		DRFT		CHKD											
ADDCS				CODES				CASTIGLIONE				DATE				JUL 31, 2014				MFG				DATE							
								CHKD				DATE				APPR				R. SCHERER				DATE				SEP 05, 2014			
DIVISION				DIVISION CODE				EMSD				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																															
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								INCHES								TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN															
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								.0000 ±																							
THIRD ANGLE PROJECTION												MILLIMETERS																			
INTERPRET PER ASME Y14.5 2009								0 ±																							
MAX SURFACE ROUGHNESS								.00 ± .3																							
✓				✓				.00 ± .13																							
✓				✓				.000 ±																							
CAGE NUMBER								D				78-5100-0478-7				REV. E															
MODEL								3000 SERIES								DET. YES NO SHT 4 OF 4															

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