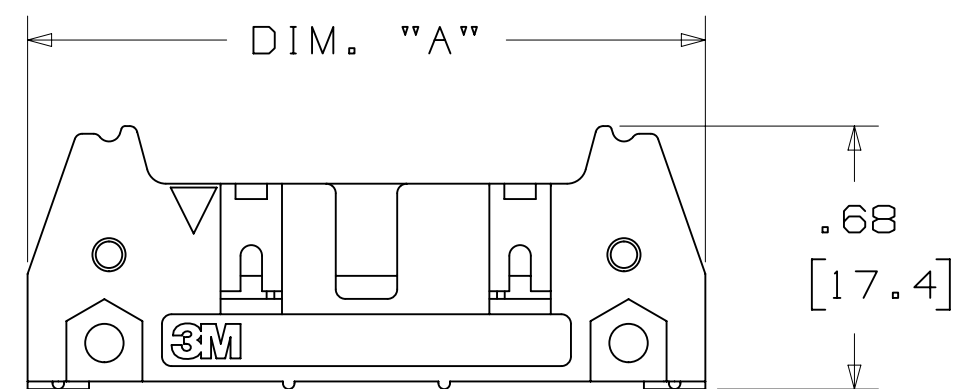
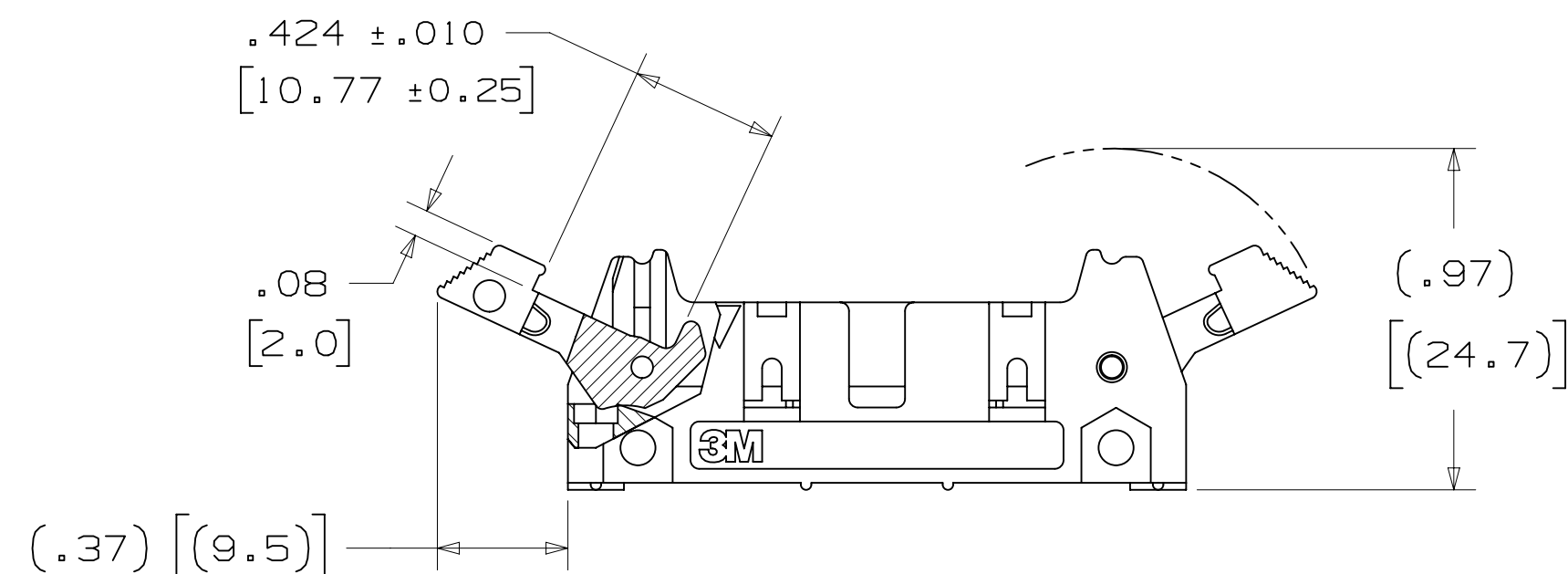


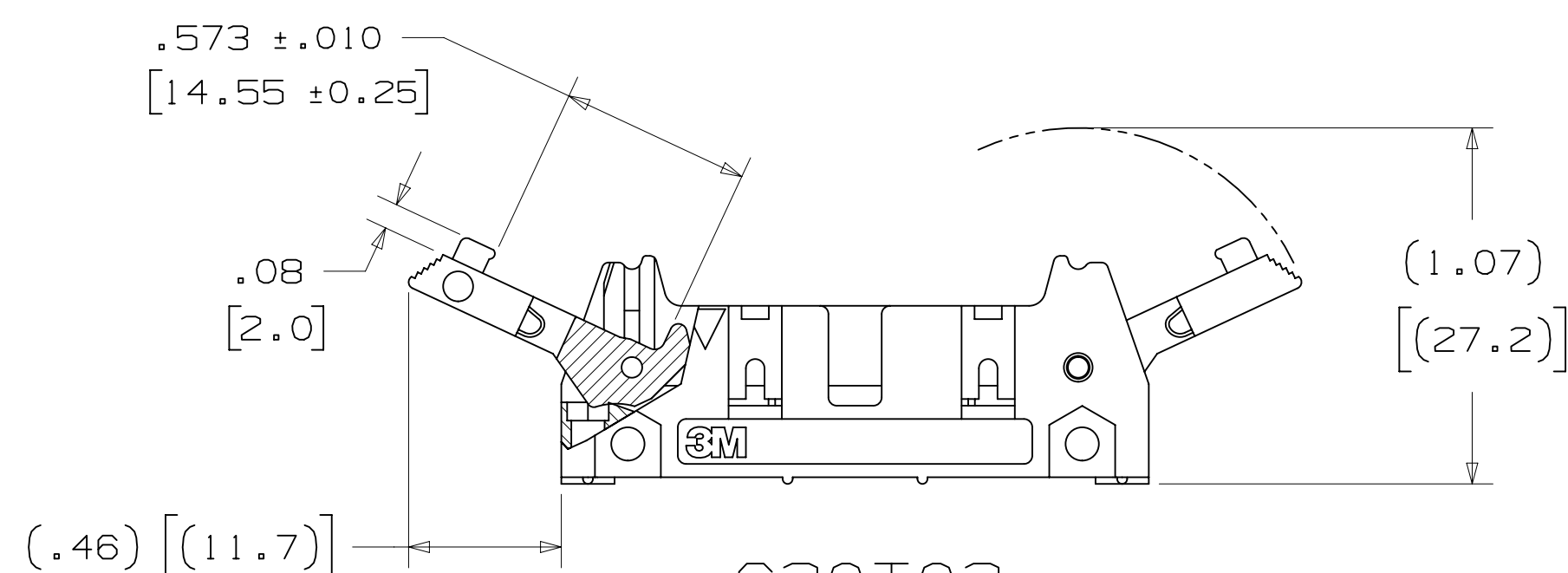
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



-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

X XXXX-6X0T02XX

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

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

- * 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.

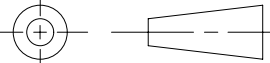
1. REGULATORY INFORMATION:
ROHS COMPLIANT. SEE THE
REGULATORY INFORMATION
APPENDIX (RIA) IN THE
"ROHS COMPLIANCE" SECTION
OF WWW.3MCONNECTORS.COM FOR
COMPLIANCE INFORMATION.

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	DWFT	CHKD
ADDRESS				DATE		MFG	DATE	
				DWFT CASTIGLIONE		JUL 31, 2014		
				CHKD		DATE	APPRV.	DATE
							R. SCHERER	SEP 05, 2014
DIVISION		DIVISION CODE		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		EMSD						
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED						
SCALE $\frac{2}{1}$		INCHES						
		THIRD ANGLE PROJECTION						
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS						
MAX SURFACE ROUGHNESS		.00 ± .13						
MIN SURFACES		.00 ± .3						
☒ MARKED ONLY		.000 ±						
		ANGLES		TITLE				
				HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN				
CAGE NUMBER		SIZE		DRAWING NO.				
☒		D		778-5100-0478-7				
MODEL		LISTS		REV.				
		3000 SERIES		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

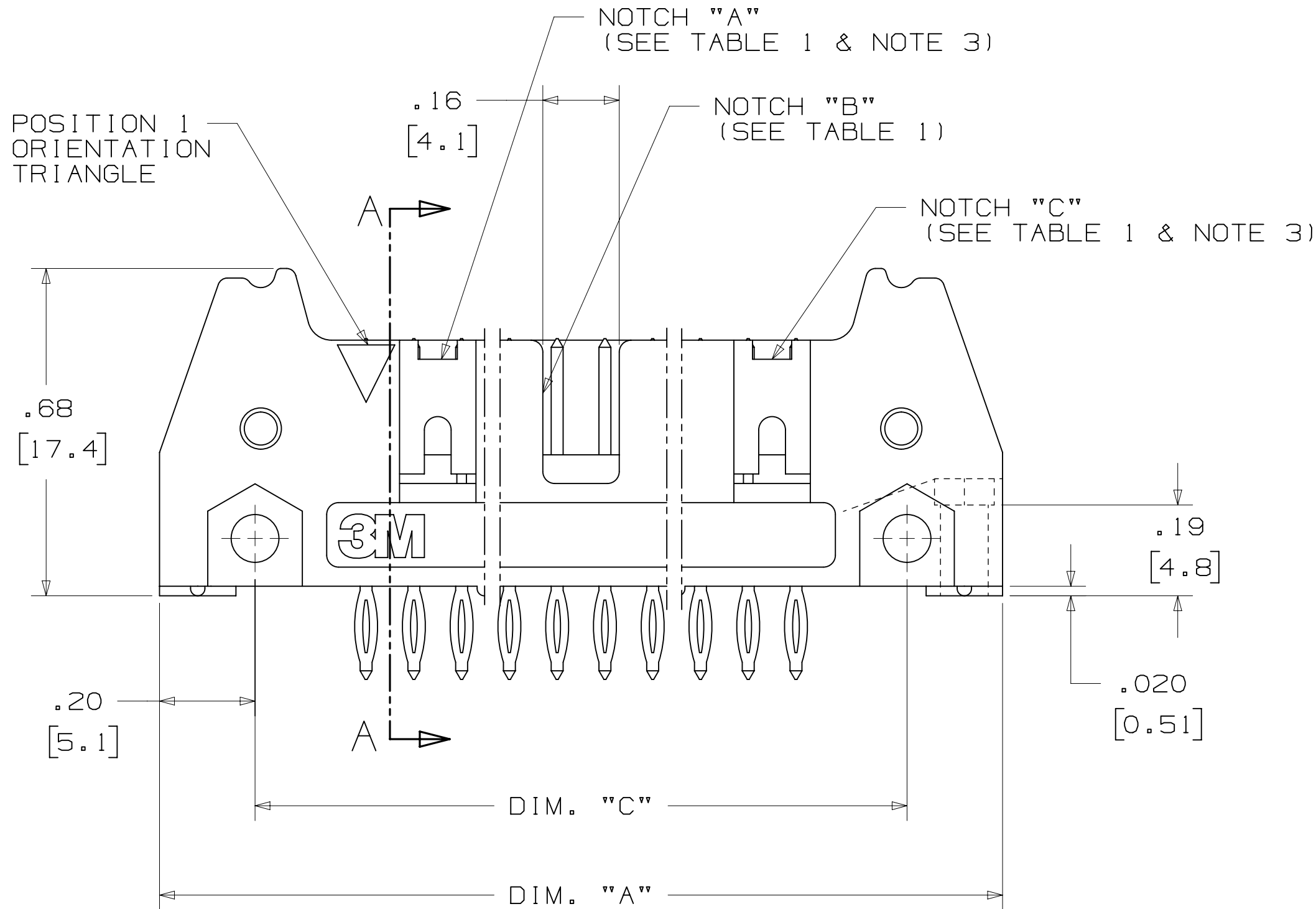
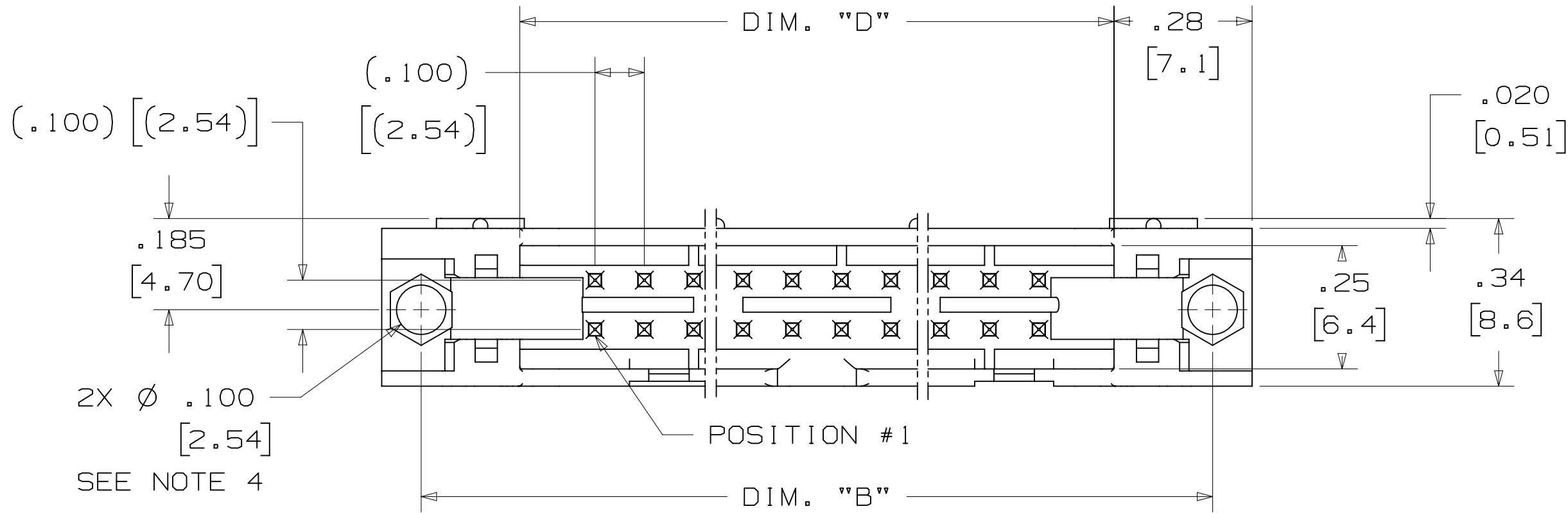
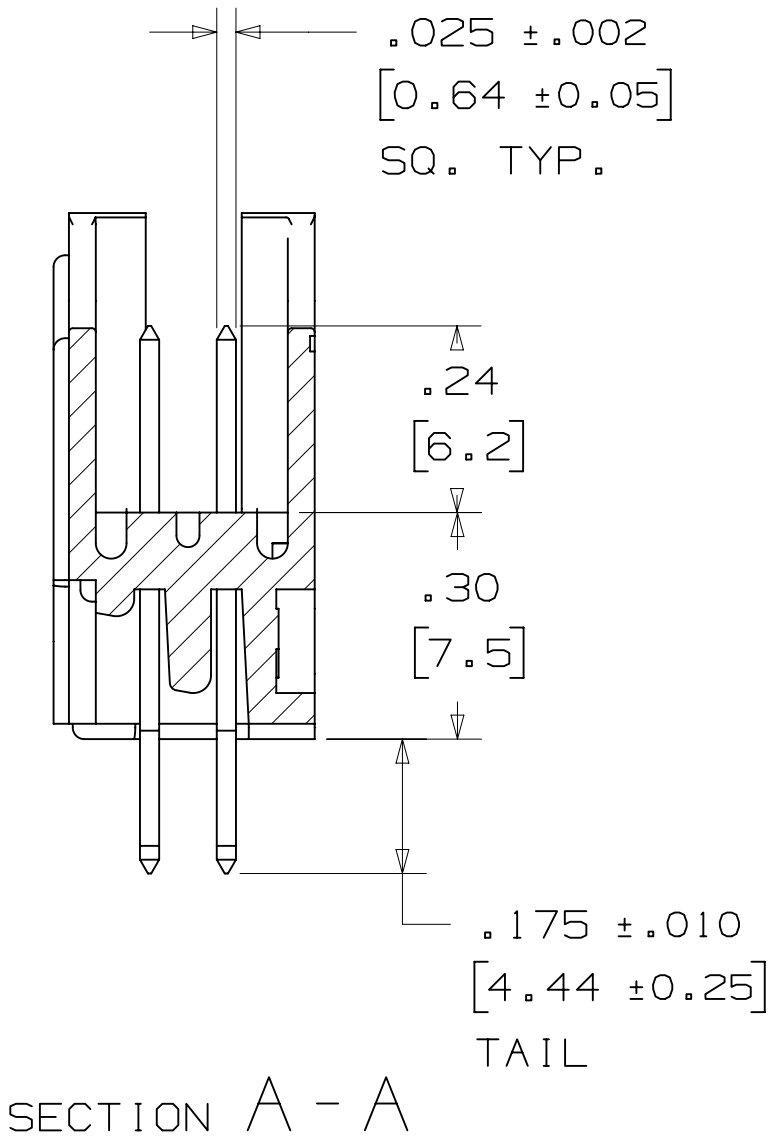
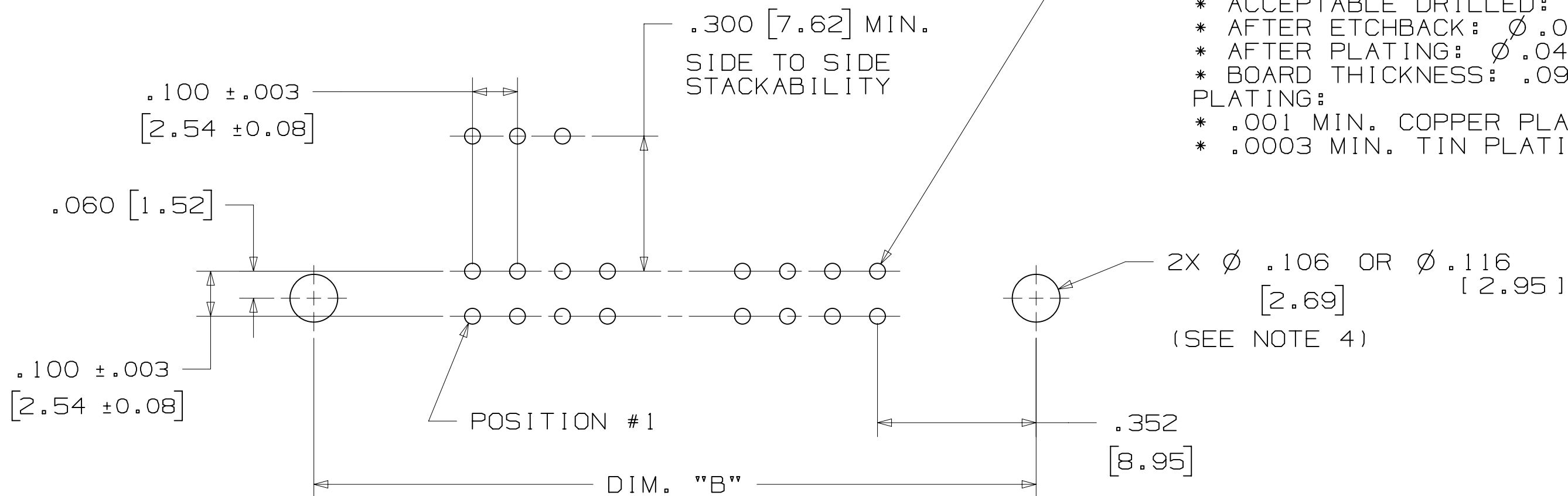


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405 [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			
CAGE CODE		REV		CASTIGLIONE		DATE		MFG		DATE	
CHKD		DATE		APPR		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				TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN	
INTERPRET PER ASME Y14.5 - 2009				MILLIMETERS				CAGE NUMBER		D 78-5100-0478-7	
MAX SURFACE ROUGHNESS				INCHES				MODEL		3000 SERIES	
MARKED ONLY				ANGLES				REV.		E	

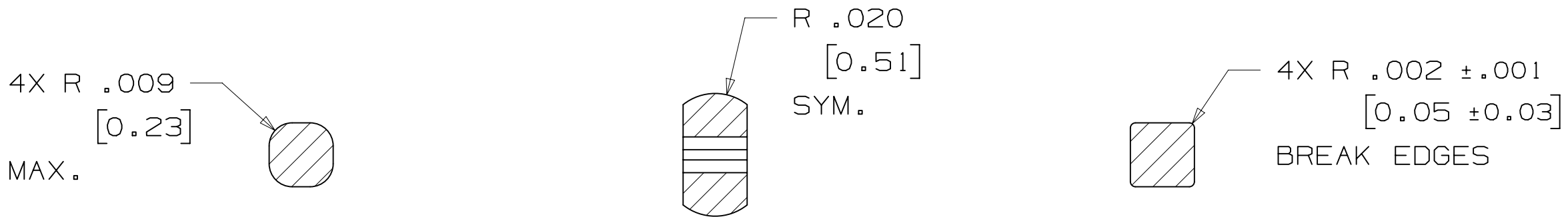
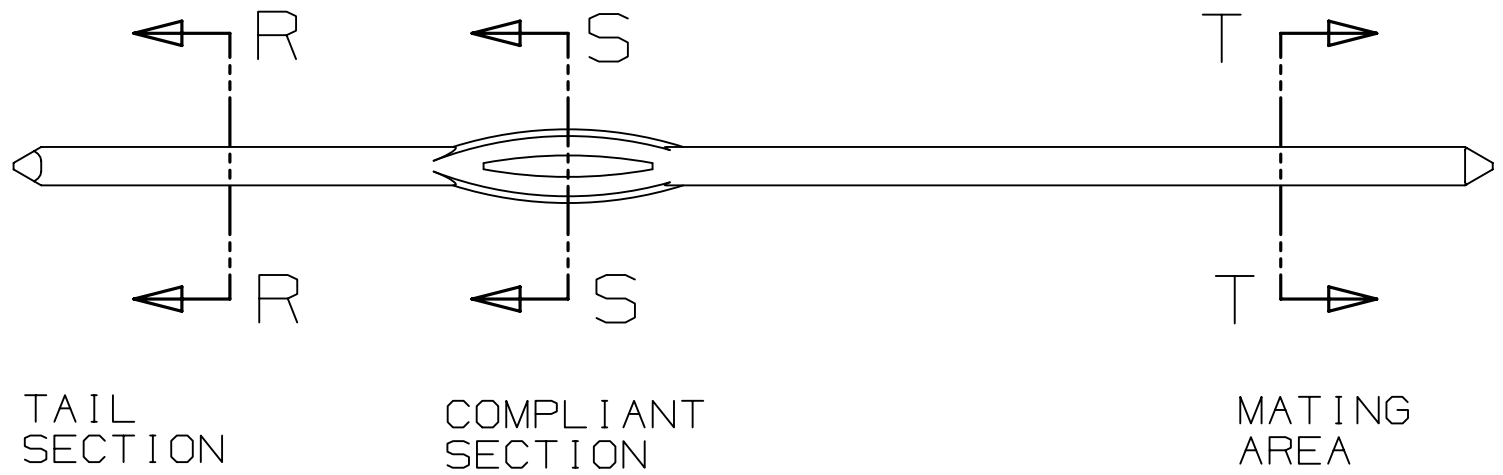
3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



RECOMMENDED MOUNTING HOLE PATTERN

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: $\phi .0453 \pm .0005$
* ACCEPTABLE DRILLED: $\phi .0453 \pm .0005 / - .0010$
* AFTER ETCHBACK: $\phi .0460$ MAX.
* AFTER PLATING: $\phi .040 \pm .003$
* BOARD THICKNESS: .093 TO .150
PLATING:
* .001 MIN. COPPER PLATING THICKNESS
* .0003 MIN. TIN PLATING



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

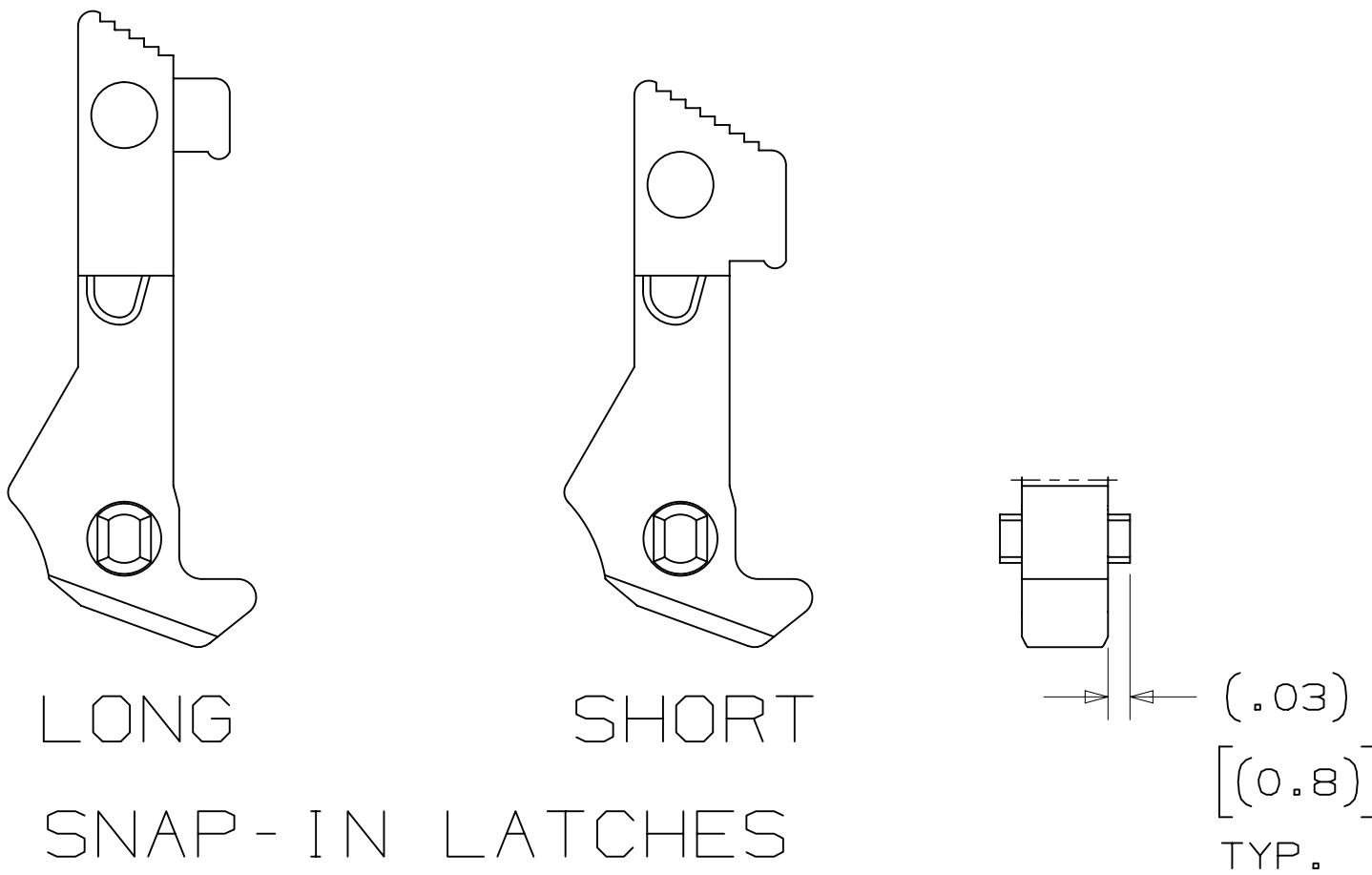
PART CUSTOMIZATION

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.

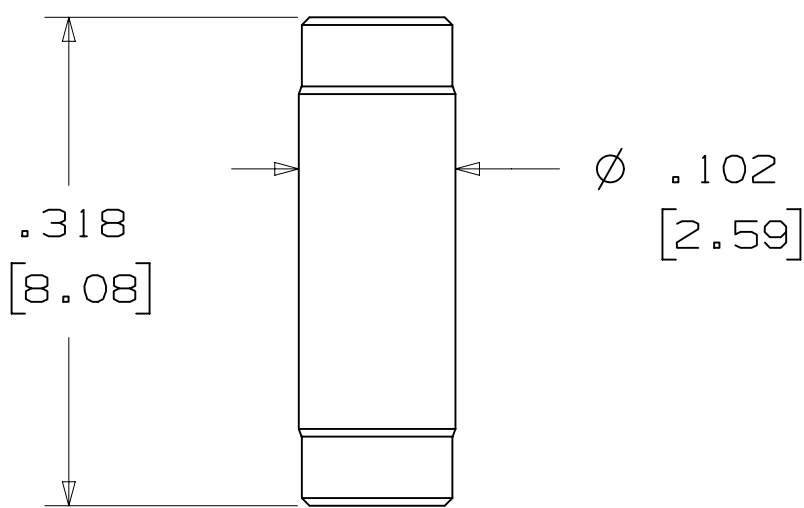
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



LONG SHORT
SNAP-IN LATCHES

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

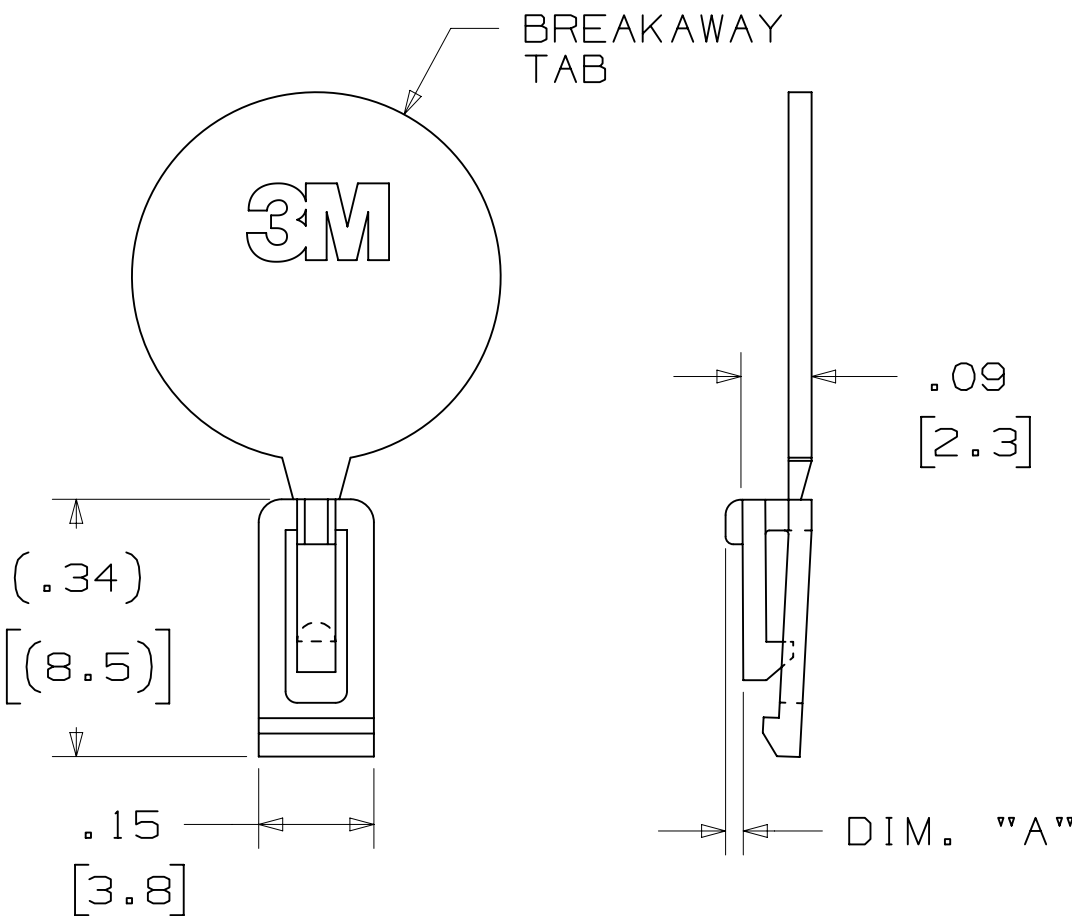
POLARIZING POST



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



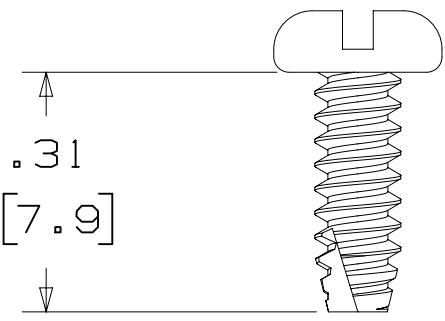
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

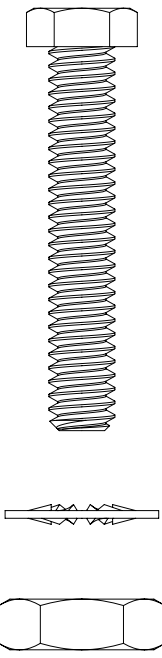
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DO NOT SCALE DRAWING	SCALE 4 1	DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED	DO NOT SCALE DRAWING	SCALE 4 1
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS	1.3	1.13	MARKED ONLY	ANGLES
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	TITLE	HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN	REV. E
DATE	JUL 31, 2014	DATE	JUL 31, 2014	DATE	SEP 05, 2014	DATE
APPROVED	R. SCHERER	APPROVED	R. SCHERER	APPROVED	R. SCHERER	APPROVED
3M	3M Center St. Paul, MN 55144	3M	3M Center St. Paul, MN 55144	3M	3M Center St. Paul, MN 55144	3M
CAGE NUMBER	D78-5100-0478-7	CAGE NUMBER	D78-5100-0478-7	CAGE NUMBER	D78-5100-0478-7	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

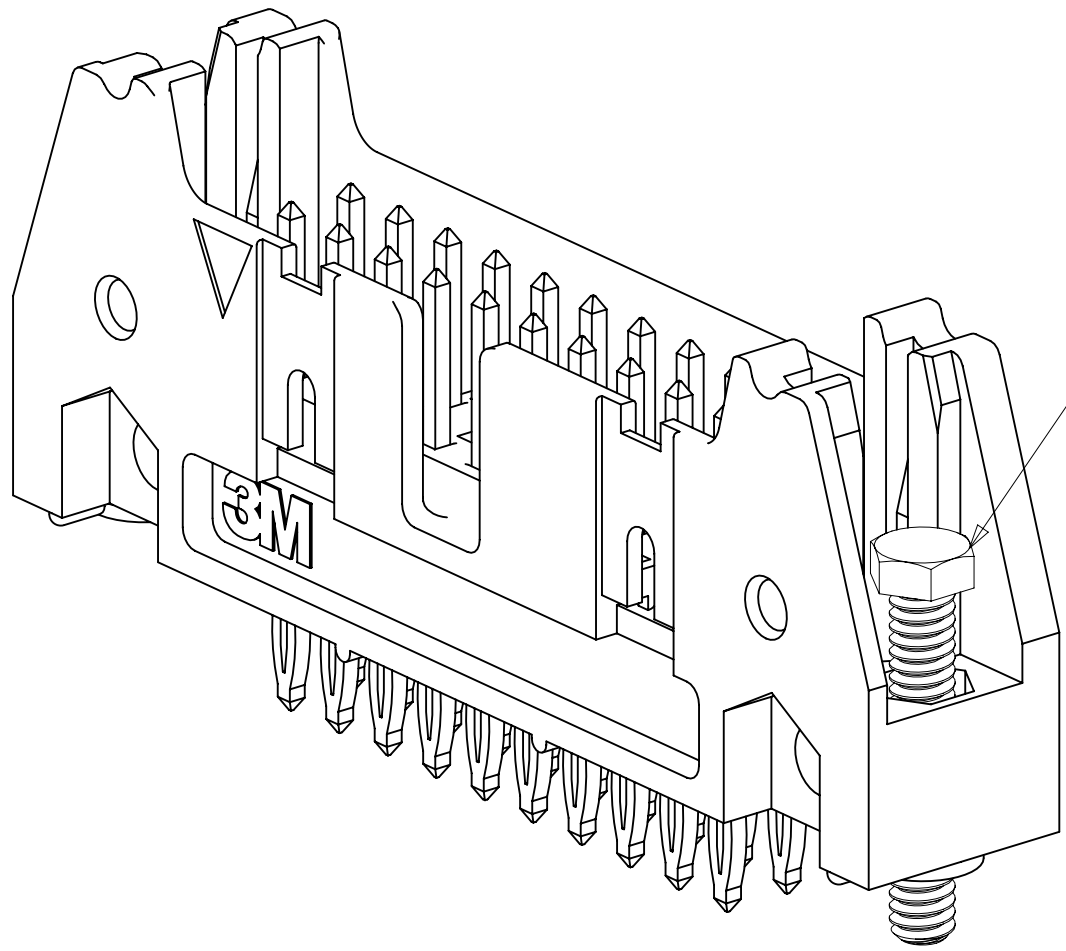
MOUNTING HARDWARE



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

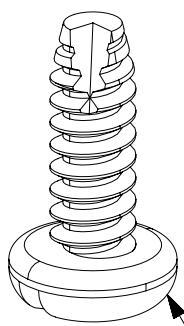
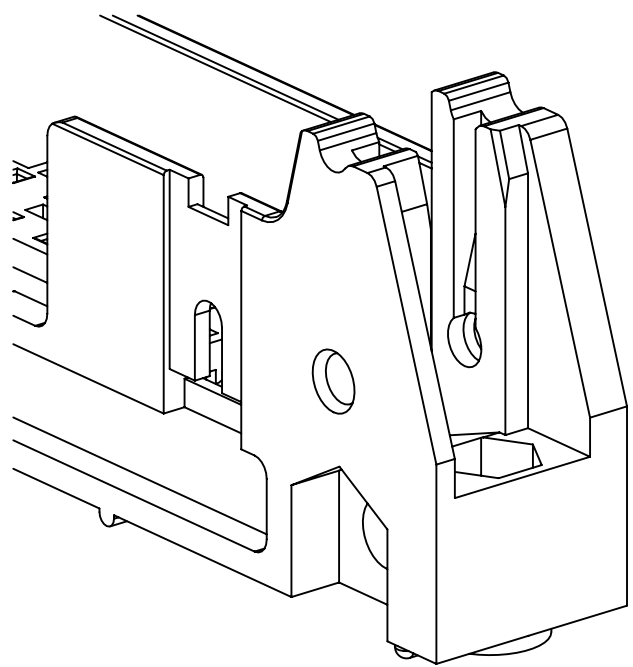


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL

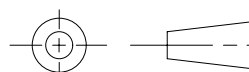


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

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		56069		JUL 31, 2014		JNC		RS					
REVISED AND REDRAWN													
DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
ADDITIONAL CODES				CAST IG LIONE		DATE JUL 31, 2014		MFG		DATE			
				CHKD		DATE		APPR R. SCHERER		DATE SEP 05, 2014			
DIVISION		DIVISION CODE		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		EMSD		TITLE		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STR, COMPLIANT PIN							
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED									
		INCHES		.00 ± .01 .000 ± .005 .0000 ±									
THIRD ANGLE PROJECTION		MILLIMETERS		0 ± .3 .00 ± .13 .000 ±									
INTERPRET PER ASME Y14.5 2009		MAX. SURFACE ROUGHNESS ONLY SURFACES		✓ ☐ MARKED ONLY		CAGE NUMBER		SIZE D		DRAWING NO. D78-5100-0478-7		REV. E	
						MODEL		3000 SERIES		DET. LISTS		☐ YES ☒ NO	
										SHT		4 OF 4	