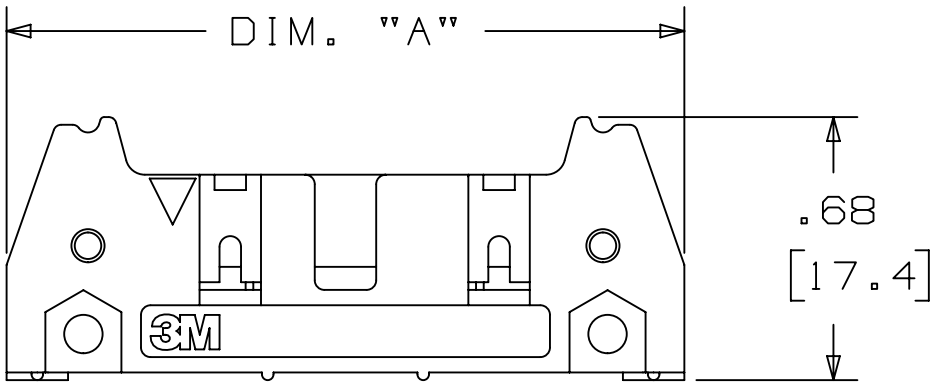
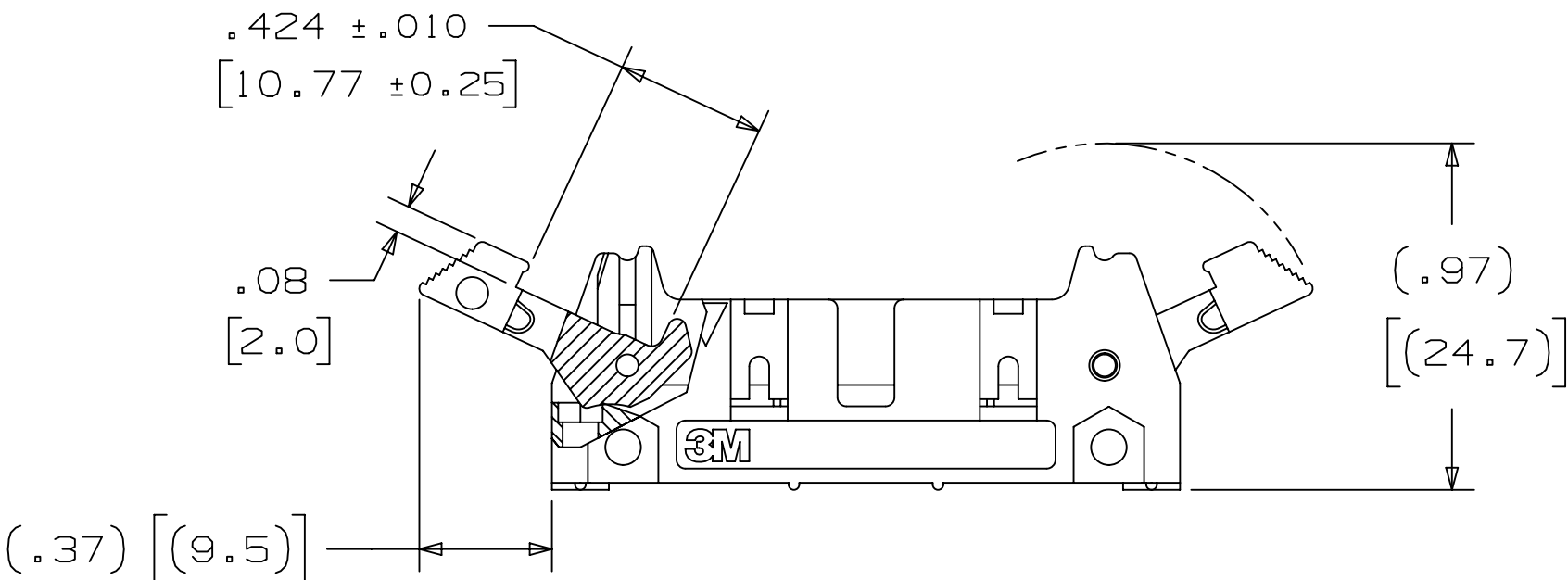


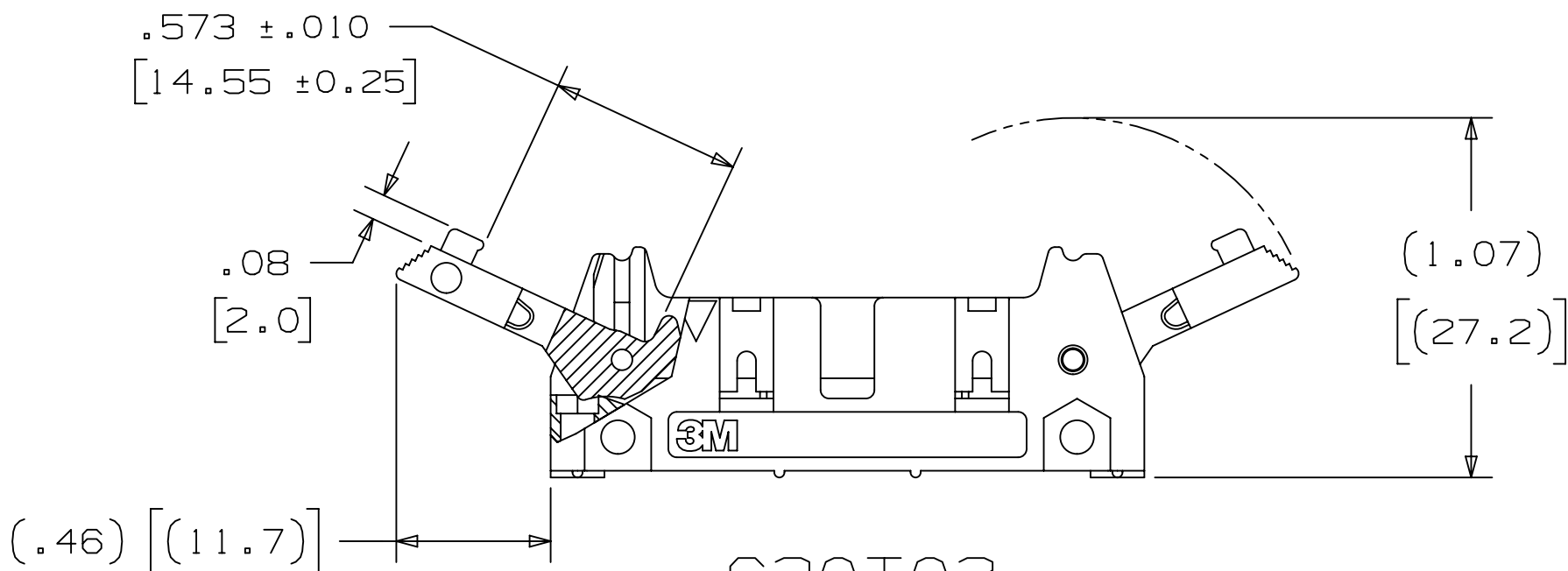
3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



-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

- * 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 TERMERATURE INSULATOR.

2 PHYSICAL :

INSULATOR: HIGH TEMP GLASS FILLED POLYESTER (PCT)
MATERIAL: UL94V-0
FLAMMABILITY: COLOR: BLACK
CONTACT: MATERIAL: COPPER ALLOY
PLATING: UNDER PLATING: 50μ"-150μ" [1.27μm-3.81μm] NICKEL-OVERALL
WIPING AREA: 30μ" [0.76μm] AVG. GOLD
SOLDER TAILS: 200μ" [5.08μm] MIN MATTE TIN (APP E1 & C1 APPLY)
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING: 1A
INSULATION RESISTANCE: >1 X 10⁹Ω AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55° C TO 105° C

ORDERING INFORMATION

NXXXX-6X0T02RB

3M PART NUMBER: (SEE TABLE 1) PLATING:

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

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3M.com/interconnect>

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INFORMATION CALL 800-225-5373

NOTES	
1.	REGULATORY INFORMATION: VISIT 3M.com/regs
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		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	JUL 31, 2014	MFG	DATE
				CHKD		DATE		APPR	DATE
								R. SCHERER	SEP 05, 2014
DIVISION		DIVISION CODE		3M 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2021 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							
		INCHES		TITLE 4-WALL HDR, .100 X .100 LATCH/EJECT, STR, COMPLIANT PIN					
THIRD ANGLE PROJECTION		.0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002							
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±.2 .0 ±.3 .00 ±.13 .000 ±.005							
MAX SURFACE ROUGHNESS		ANGLES		CAGE NUMBER		DRAWING NO.		REV.	
☒ ALL SURFACES		±		D		78-5100-0478-7		F	
☐ MARKED ONLY				MODEL		3400		DET. LISTS ☐ YES ☐ NO SHT 1 OF 5	

UL FILE NO: E68080

3M™ FOUR-WALL HEADER, 3000 SERIES

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

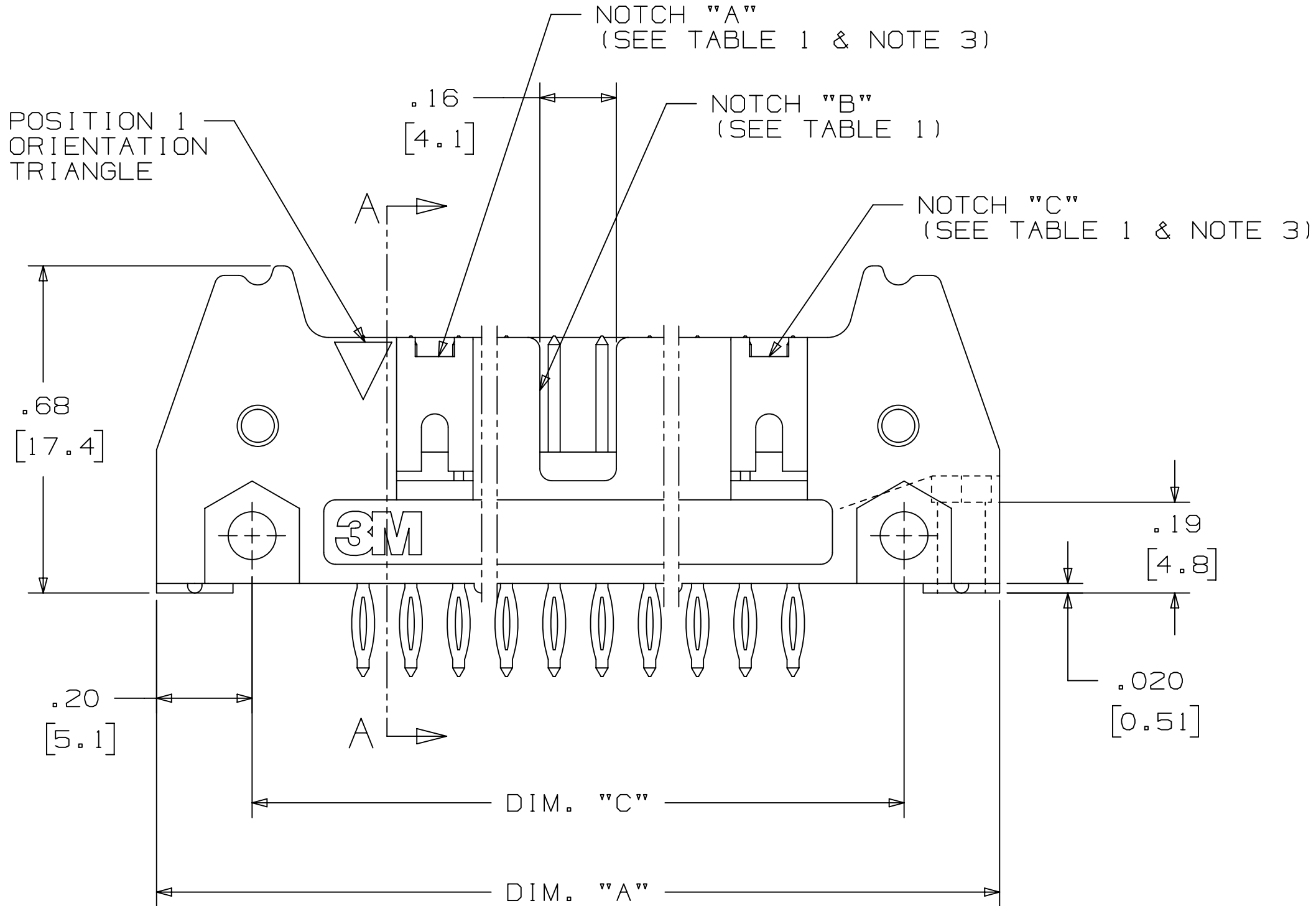
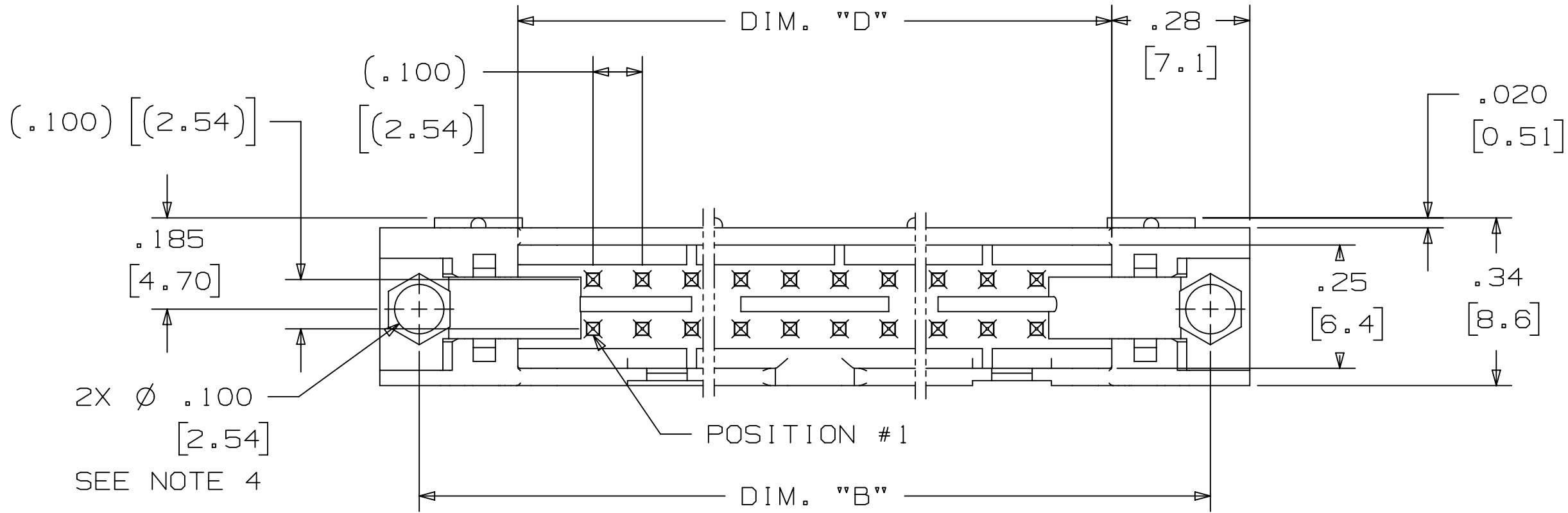
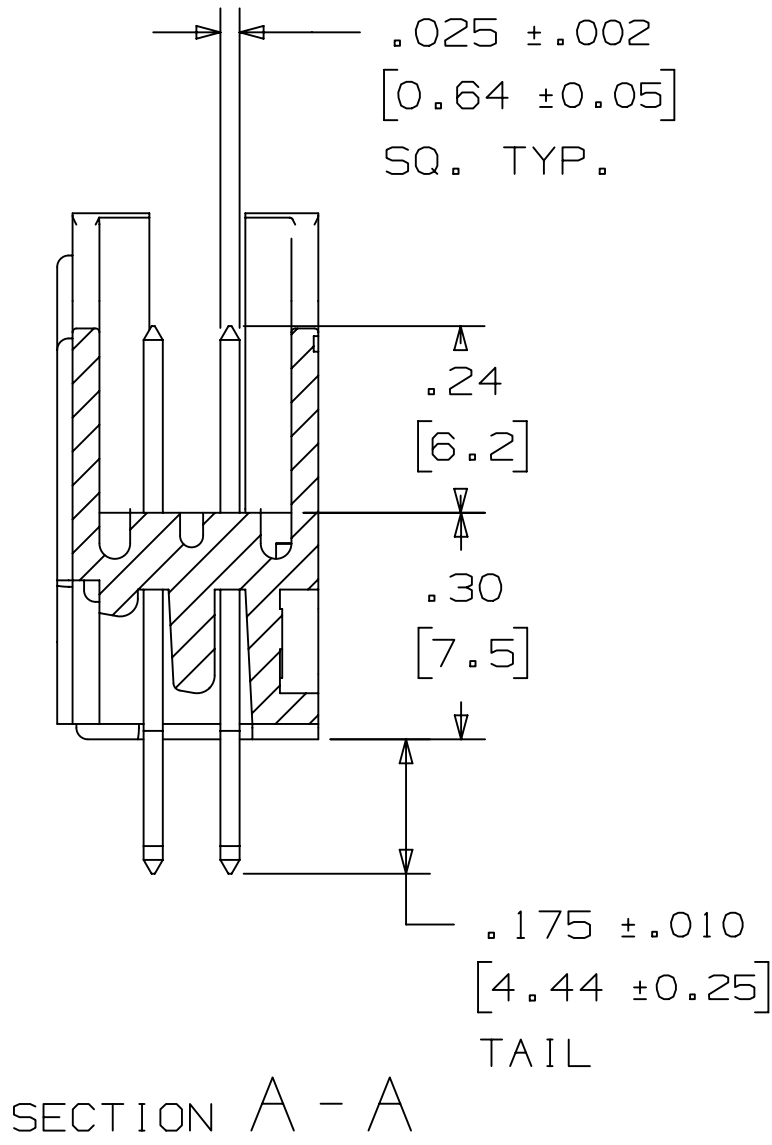
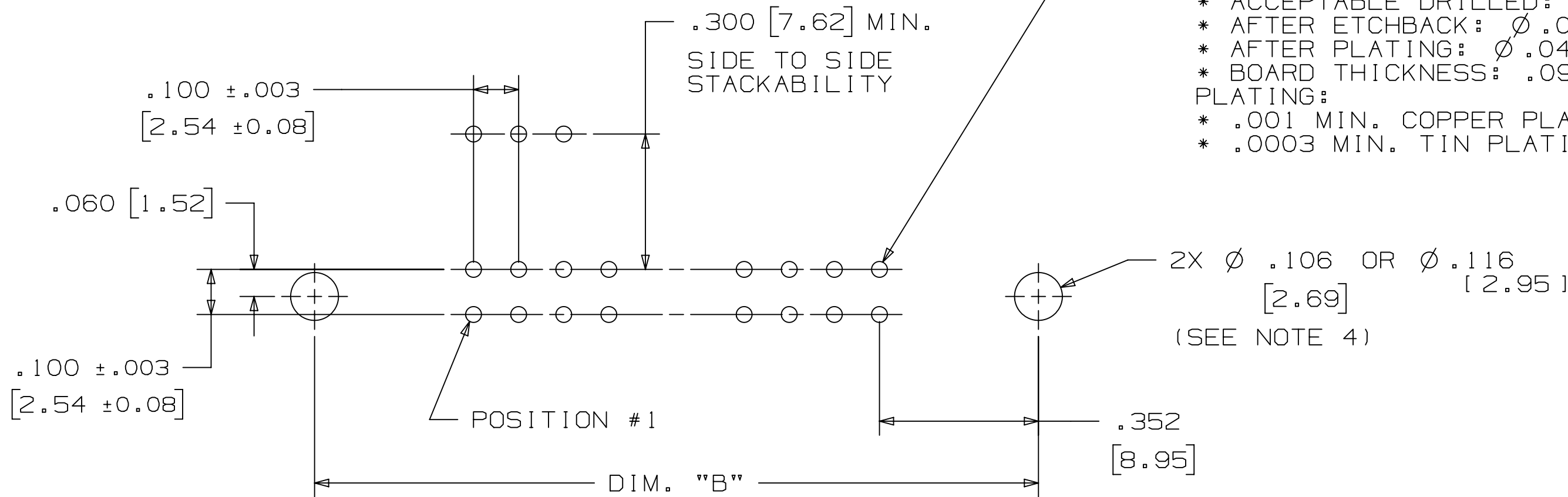


TABLE 1								
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	INSERTION PLATEN 3442-00XX	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	3442-0048	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	3442-0049	14
16	3408	1.56 [39.7]	1.405 [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		REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XREF CODES		XREF CODES		DRFT	CASTIGLIONE	DATE	DATE	DATE
XREF CODES		XREF CODES		CHKD	DATE	DATE	DATE	DATE
DIVISION		DIVISION CODE		APPR. R. SCHERER				
Interconnect Solutions		EMSD		DATE				
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002				
MAX. SURFACE ROUGHNESS		ALL SURFACES		MILLIMETERS 0 ±.3 .00 ±.13 .000 ±.005				
MARKED ONLY		ANGLES		CAGE NUMBER				
3400		3400		DRAWING NO. 78-5100-0478-7				
3400		3400		REV. F				
3400		3400		SHT 2 OF 5				

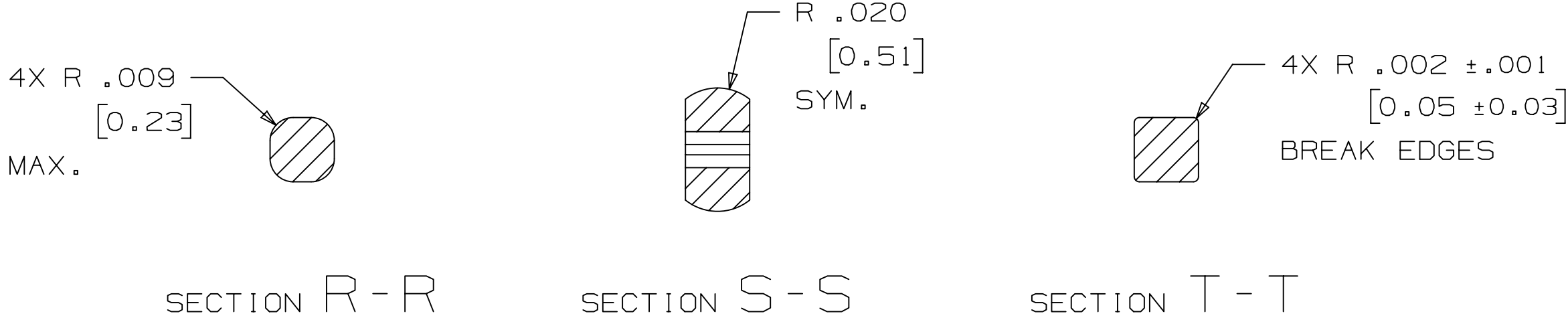
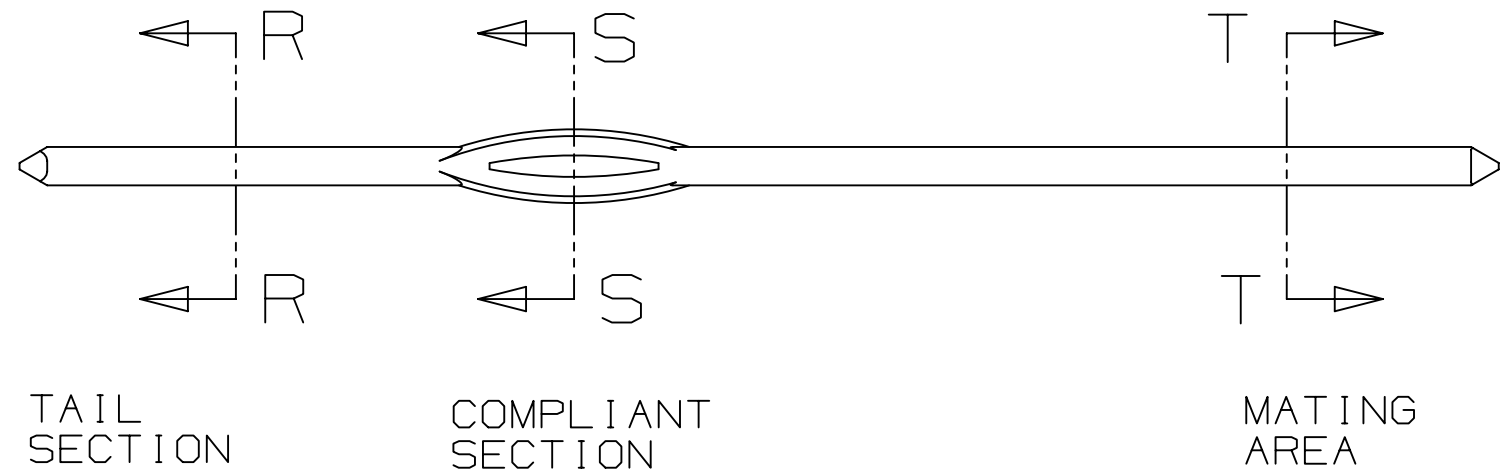
3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT, COMPLIANT PIN



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



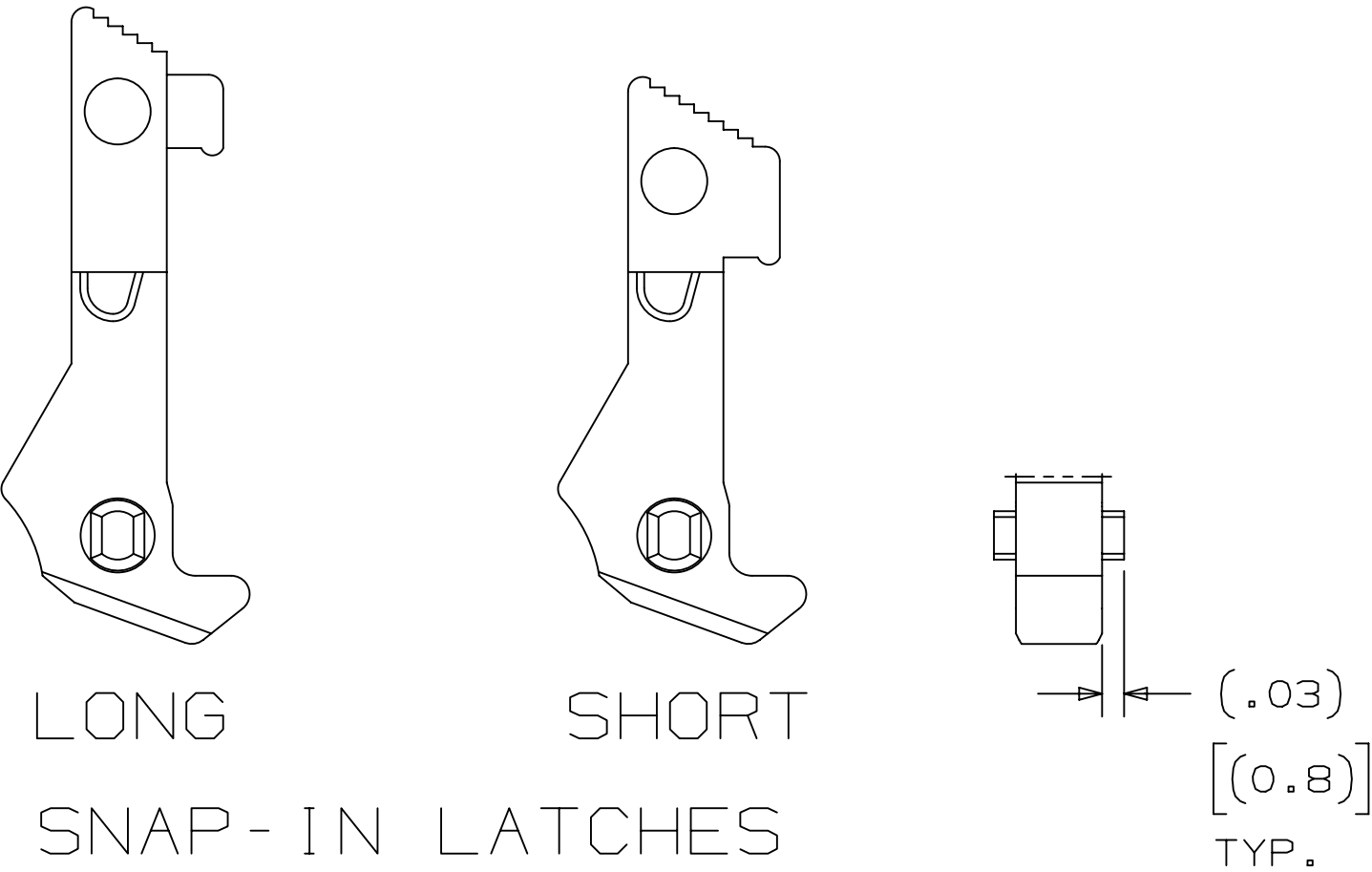
PART CUSTOMIZATION

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.

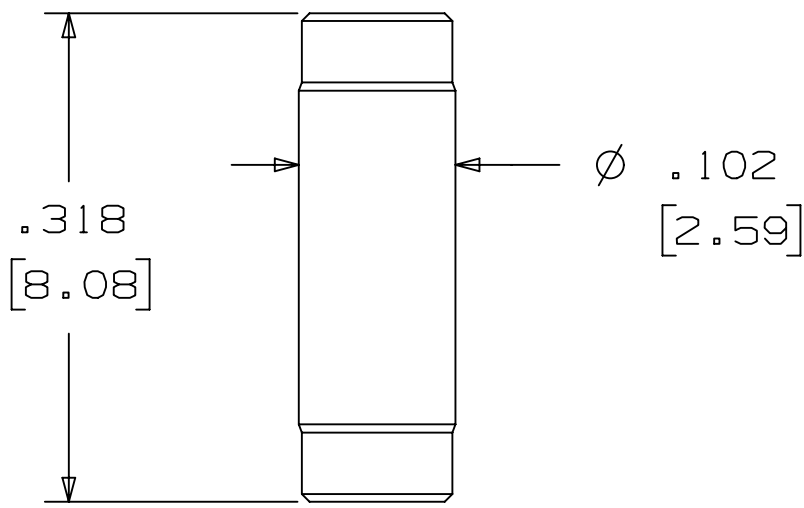
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



LONG SHORT
SNAP-IN LATCHES

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

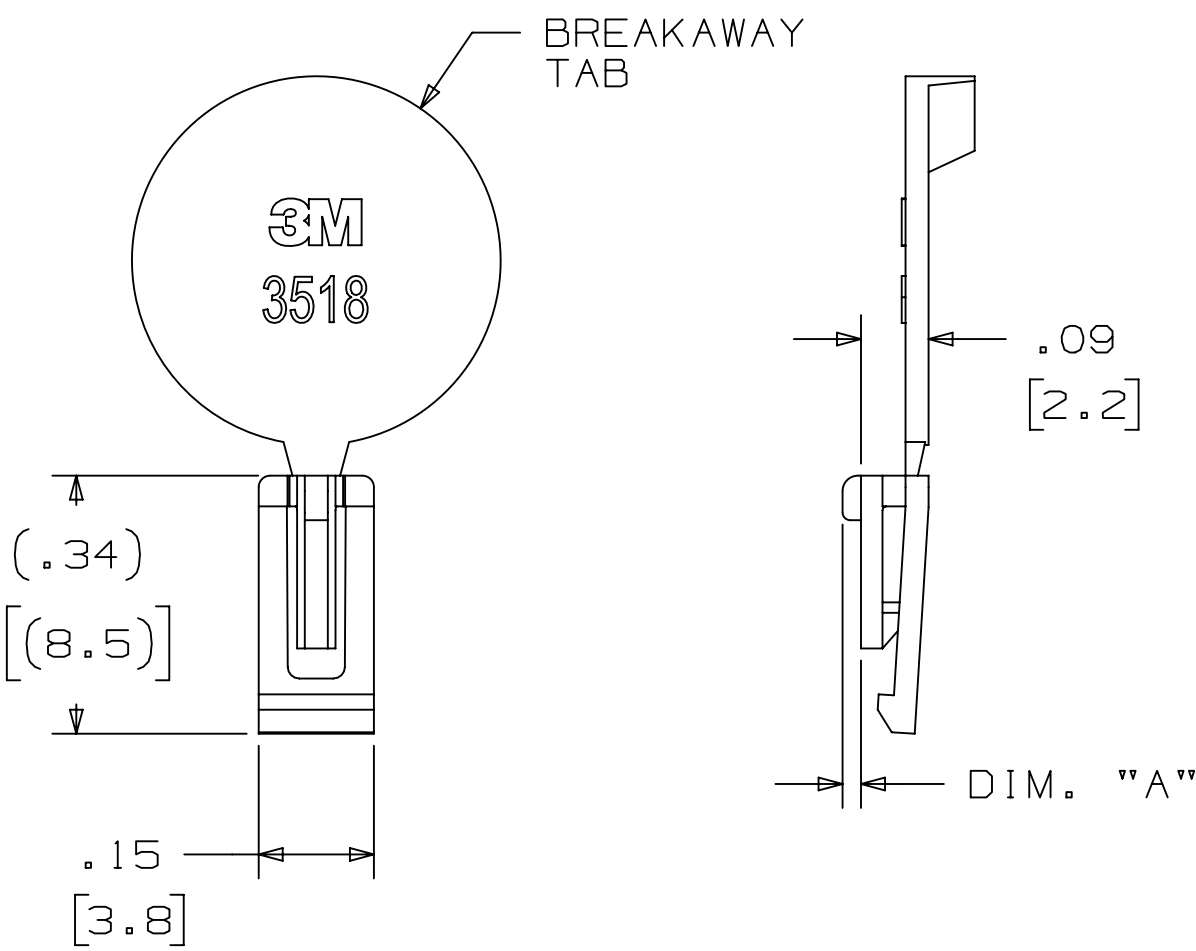
POLARIZING POST



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



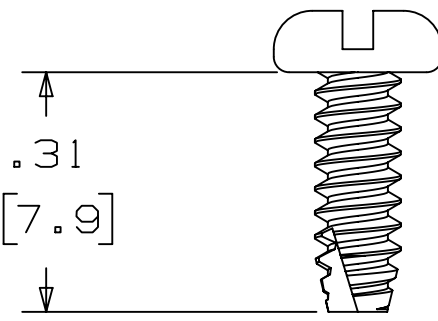
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
93619	JAN 07,2021 REMOVE TIN LEAD PLATING	JNC	SAN			
56068	JUL 31,2014 REVISED AND REDRAWN	JNC	RS			
CASTIGLIONE	DATE JUL 31,2014	DATE	DATE	DATE	DATE	DATE
CHKD	DATE	APPR	R. SCHERER	DATE	SEP 05,2014	
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	© 3M COPYRIGHT 2021 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.		
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED		TITLE 4-WALL HDR, .100 X .100 LATCH/EJECT, STR, COMPLIANT PIN		
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES 0 ±.1 ±.01 ±.005 ±.0002	MILLIMETERS 0 ±.3 ±.13 ±.005	CAGE NUMBER D78-5100-0478-7		
MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		ANGLES		MODEL 3400		
				REV. F		
				SHT 3 OF 5		

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

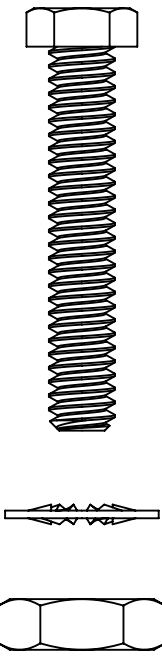
MOUNTING HARDWARE



3341-5

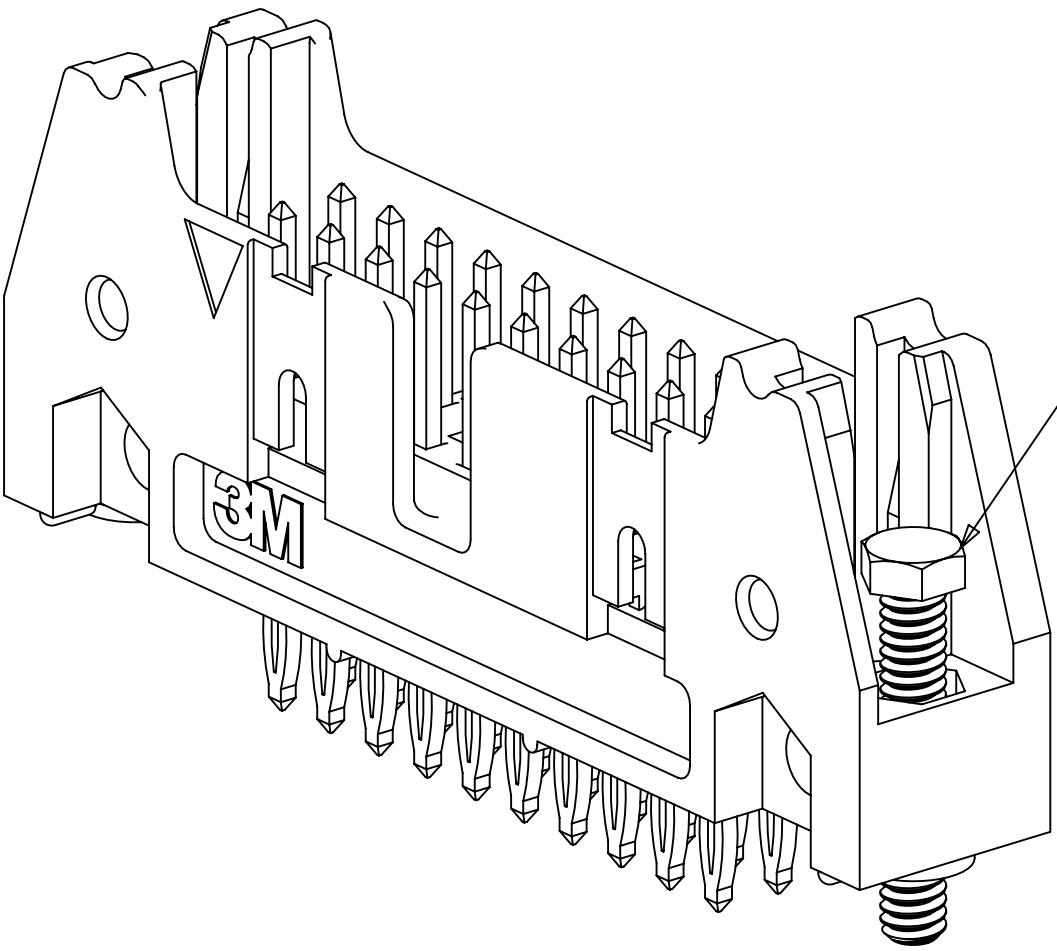
(INSTALL FROM BOTTOM OF BOARD)
SEE NOTE 4

PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



3341-6

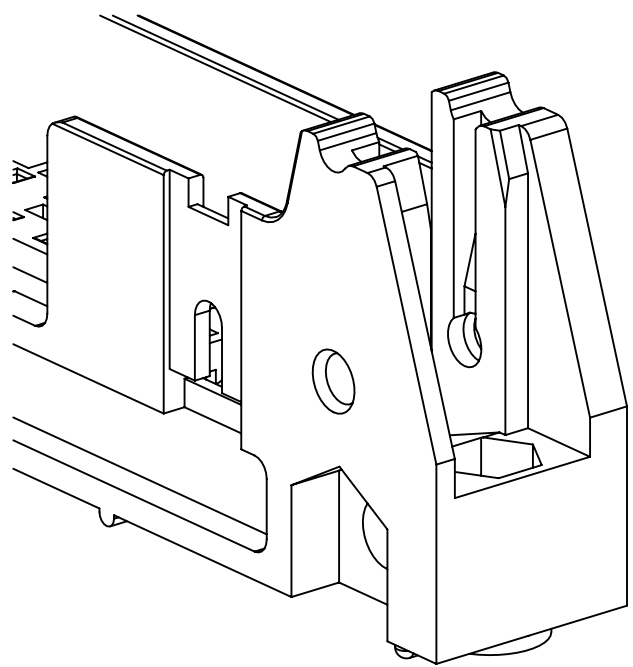
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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

3341-6

#2-56 NUT AND BOLT



3341-5

#4-24 TYPE BT SELF THREADING SCREW
WHEN USING LATCHES, MAXIMUM LENGTH
OF SCREW IS .250 INCHES PLUS
THICKNESS OF THE BOARD.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF		XREF		DRFT	CASTIGLIONE	DATE	JUL 31, 2014	DATE	
DIVISION		DIVISION CODE		CHKD		DATE		DATE	
Interconnect Solutions		EMSD		APPR	R. SCHERER	DATE	SEP 05, 2014	DATE	
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THIRD ANGLE PROJECTION		INCHES .0 .1 .00 .000 .0000 .0000 ± .0002		MILLIMETERS 0 ± 2 .0 ± .3 .00 ± .13 .000 ± .005		3M Center St. Paul, MN 55144			
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS		CAGE NUMBER		DRAWING NO.		REV.	
MARKED ONLY		ANGLES		D78-5100-0478-7		F		DET	
				MODEL		3400		SHT 4 OF 5	

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

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XREF CODES				DRFT	CASTIGLIONE		DATE	MFG	DATE
				CHKD			DATE		
DIVISION		DIVISION CODE		APPR		DATE		REV	
Interconnect Solutions		EMSD		R. SCHERER		SEP 05,2014			
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2021			
THIRD ANGLE PROJECTION		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		MILLIMETERS 0 ±2 .0 ±.3 .00 ±.13 .000 ±.005		3M Center St. Paul, MN 55144		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.	
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS		CAGE NUMBER		SIZE		DRAWING NO.	
ALL SURFACES		MARKED ONLY		D		78-5100-0478-7		F	
		ANGLES		MODEL		3400		DET	
								YES NO SHT 5 OF 5	

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