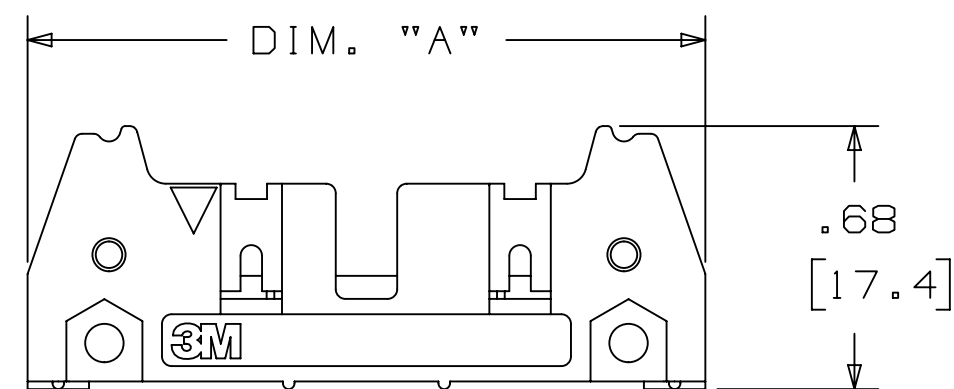
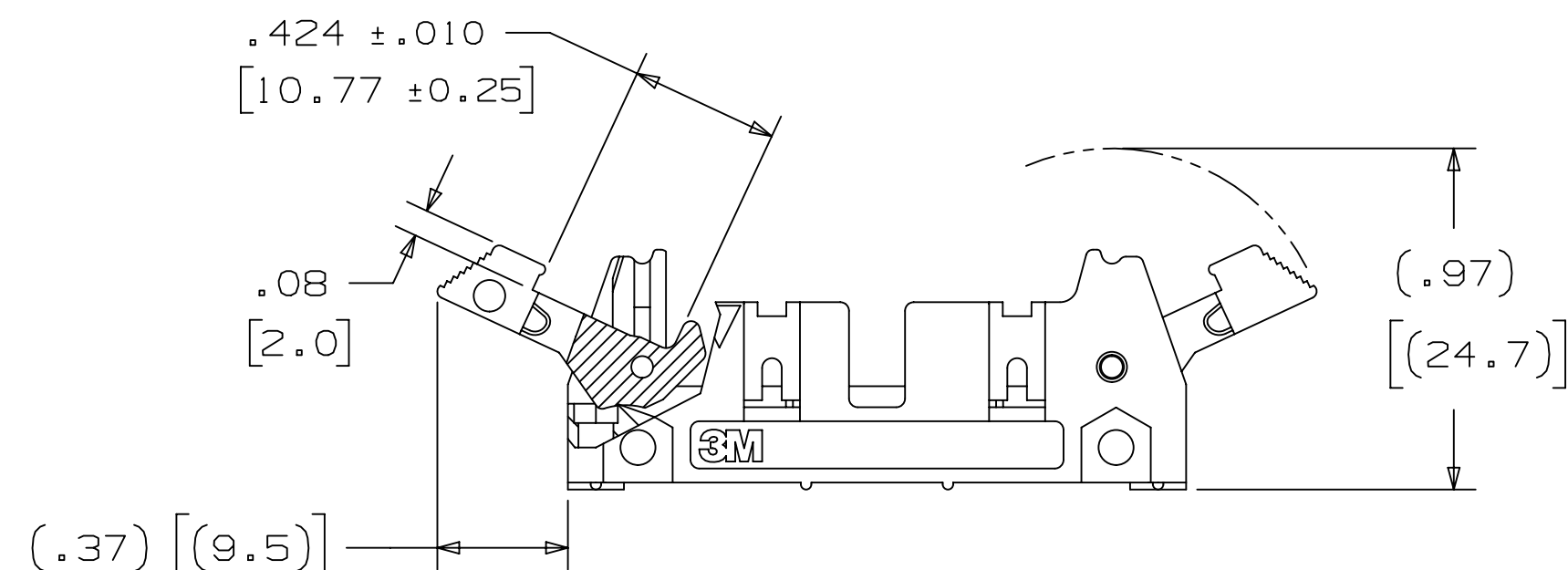


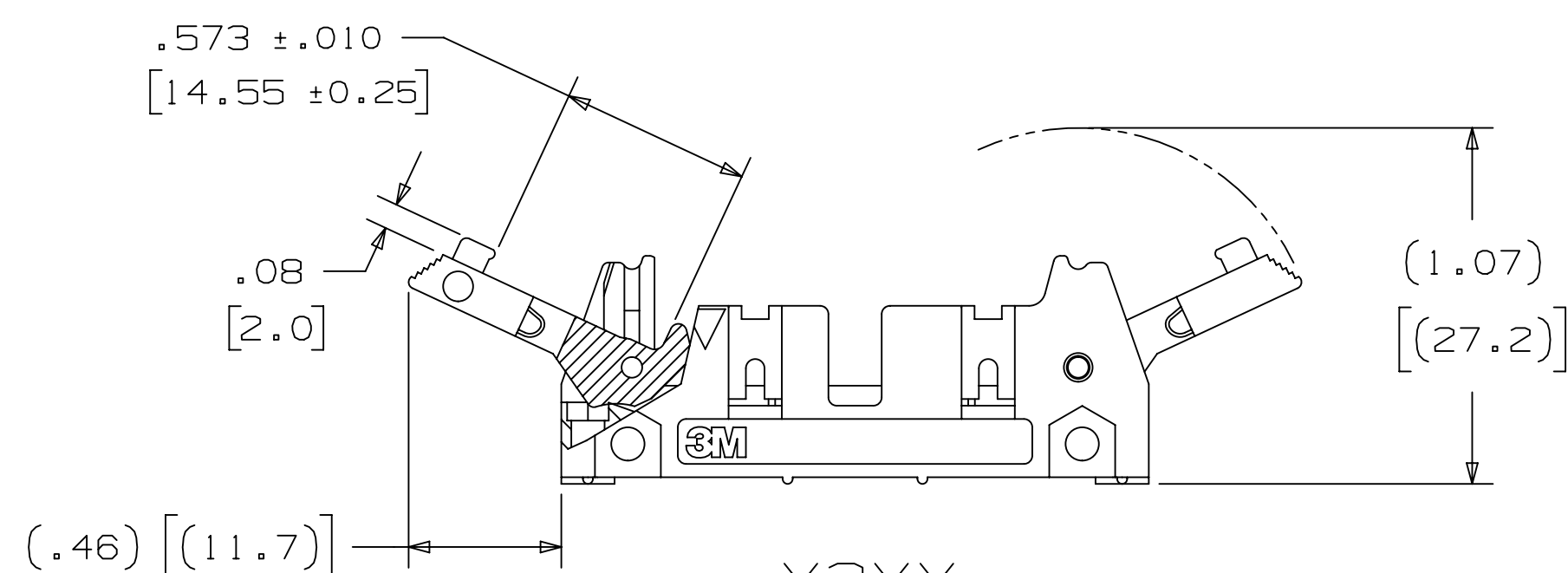
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-X0XX
HEADER WITHOUT LATCH EJECTOR



-X2XX
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-X3XX
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX - XXXXXX

N= HIGH TEMP BLACK (PCT)/(RB PLATING REQ'D)

3M PART NUMBER: -
(SEE TABLE 1)

PIN CONFIGURATION: _____
1 = RIGHT ANGLE SOLDER TAILS
2 = STRAIGHT SOLDER TAILS

- PLATING:
RB = 200 μ " [5.08 μ m] MATTE TIN TAILS

```

- TAIL:
02 = FOR .062 [ 1.57 ] THICK BOARD
03 = FOR .094 TO .125 [ 2.39 TO 3.18 ] THICK BOARD

```

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

- * MILITARY (WITH 3M'S N3518 POLARIZING KEY) AND CENTERBUMP POLARIZATION.
- * LOW PROFILE.
- * OPTIONAL EJECTOR LATCHES.
- * MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- * THREE WALL SHROUD PROVIDES DESIGN FLEXIBILITY.
- * STRAIGHT, RIGHT ANGLE.
- * SOLDER TAIL OPTIONS.
- * OPTIONAL POLARIZING POSTS AVAILABLE.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.

2 PHYSICAL :

INSULATOR: MATERIAL: HIGH TEMPGLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
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: (SEE ORDERING INFORMATION)
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND
ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING: 5.00A, 1 CONTACT POWERED
3.00A, 6 CONTACTS POWERED
1.75A, ALL CONTACTS POWERED
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM
TEMPERATURE RISE, 20% DERATED. REFERENCE APPROPRIATE
3M PRODUCT SPECIFICATION FOR DETAILED CURRENT DERATING
CURVES.

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
PROCESS RATING: 260°C, PER J-STD-020C, SINGLE PASS
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C SINGLE PASS)

DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE		NEXT ASSEMBLY	
ACCESS CODES			
DIVISION		DIVISION CODE	
Interconnect Solutions		EMSD	
DO NOT SCALE	SCALE	TOLERANCE EXCEPT AS NOTED	
DRAWING		INCHES	
		.00 ± .1	
		.00 ± .01	
		.000 ± .005	
		.0000 ± .0003	
THIRD ANGLE PROJECTION		MILLIMETER	
INTERPRET PER ASME Y14.5 - 2018		.00 ± .005	
MAX. SURFACE ROUGHNESS		.000 ± .0005	
☐ ALL SURFACES ☒ MARKED ONLY		ANGLES ±	

L	115955	MAY 08,2024		JNC	FJR
K	97909	JUN 22,2021	REMOVE 05 WWT TAILS	JNC	SAN
J	93619	JAN 07,2021	REVISED ORDERING INFO	JNC	SAN
H	60056	MAR 06,2015	REMOVE TIN LEAD PLATE AND KINK TAILS	JNC	RS
G	56068	AUG 05,2014	REVISED ORDERING NUMBER	JNC	RS
			REVISED AND REDRAWN		
REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DRFT	CAS TIGLIONE	DATE	APPROVAL	DATE	
CHKD		DATE	BY: SCHERER	DATE	SEP 05,2014
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TITLE					
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA					
CAGE NUMBER	SIZE	DRAWING NO.			REV.
MODEL	3400	D78-5100-0771-5			L
DATE		DESIGN		CHANGES	
SEP 05, 2014		YES		NO	
SHT		1		OF 5	

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UL[®]
US
UL FILE NO: E68080

3M™ THREE-WALL HEADER, 3000 SERIES

.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

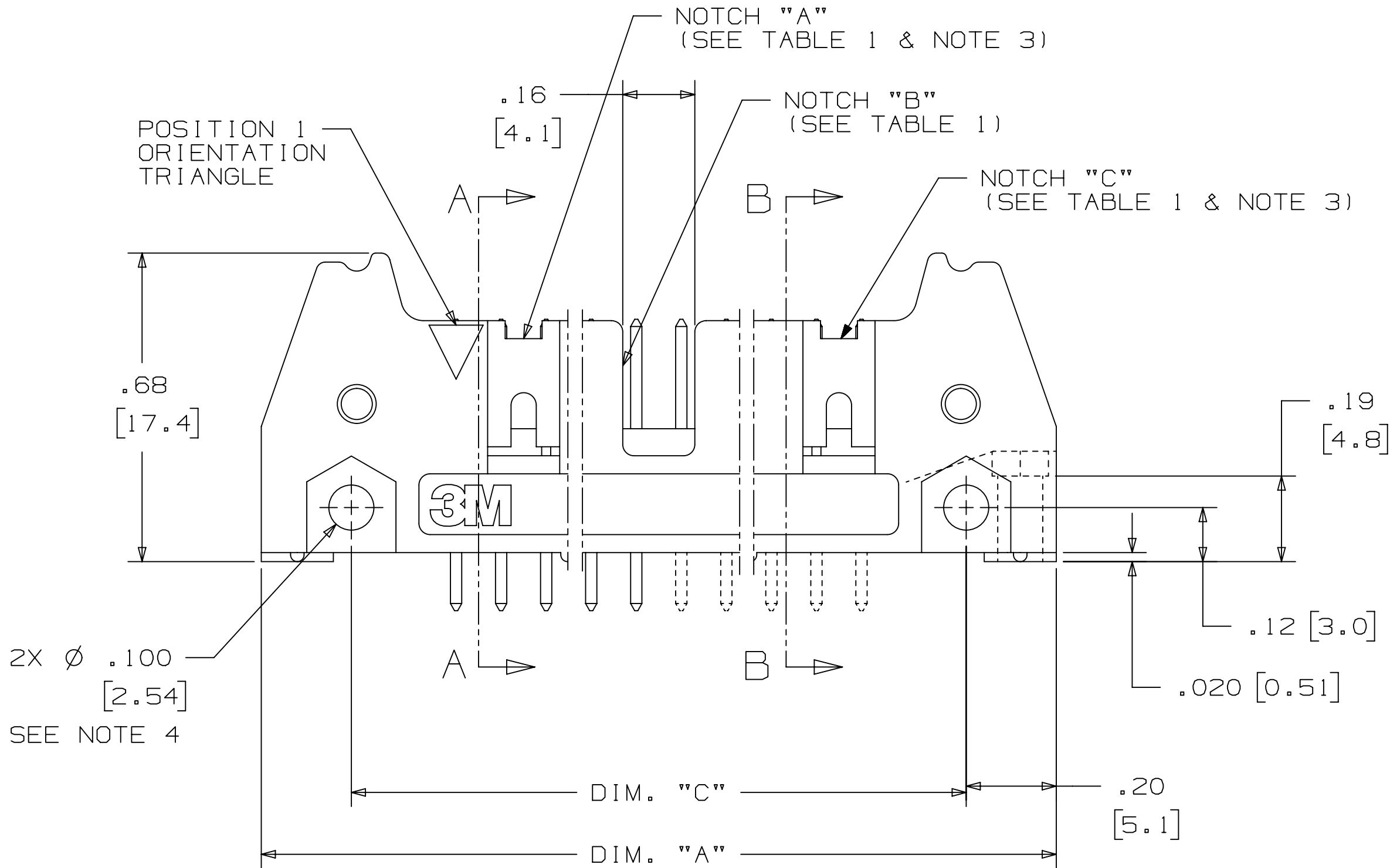
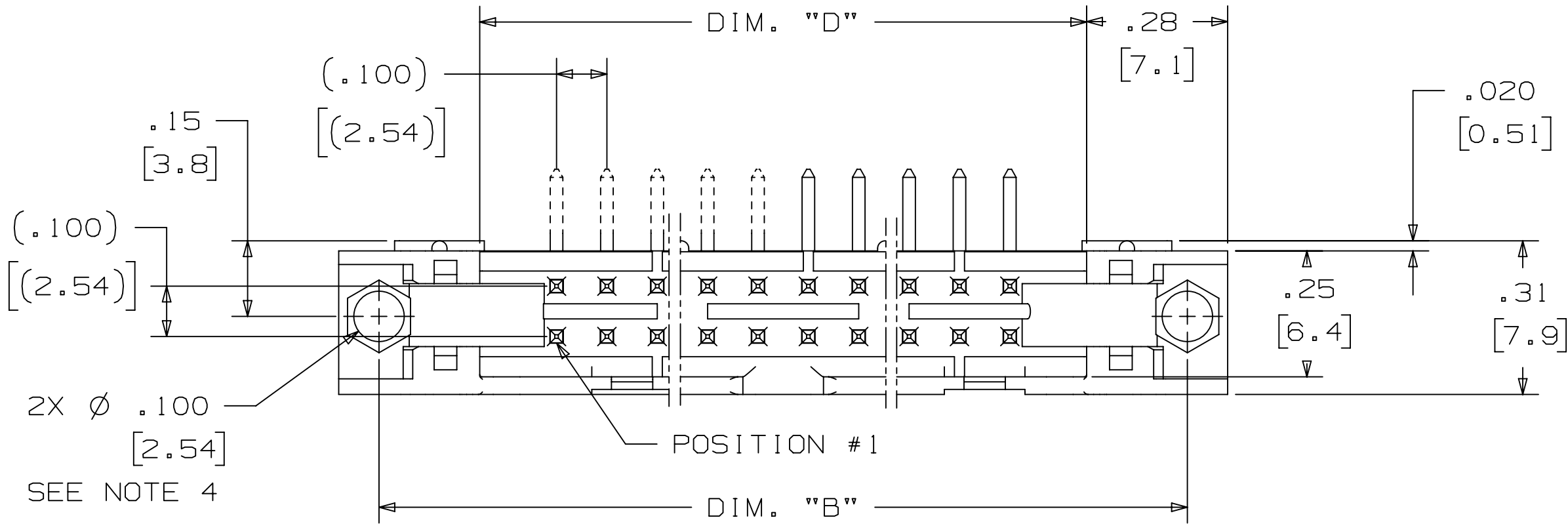
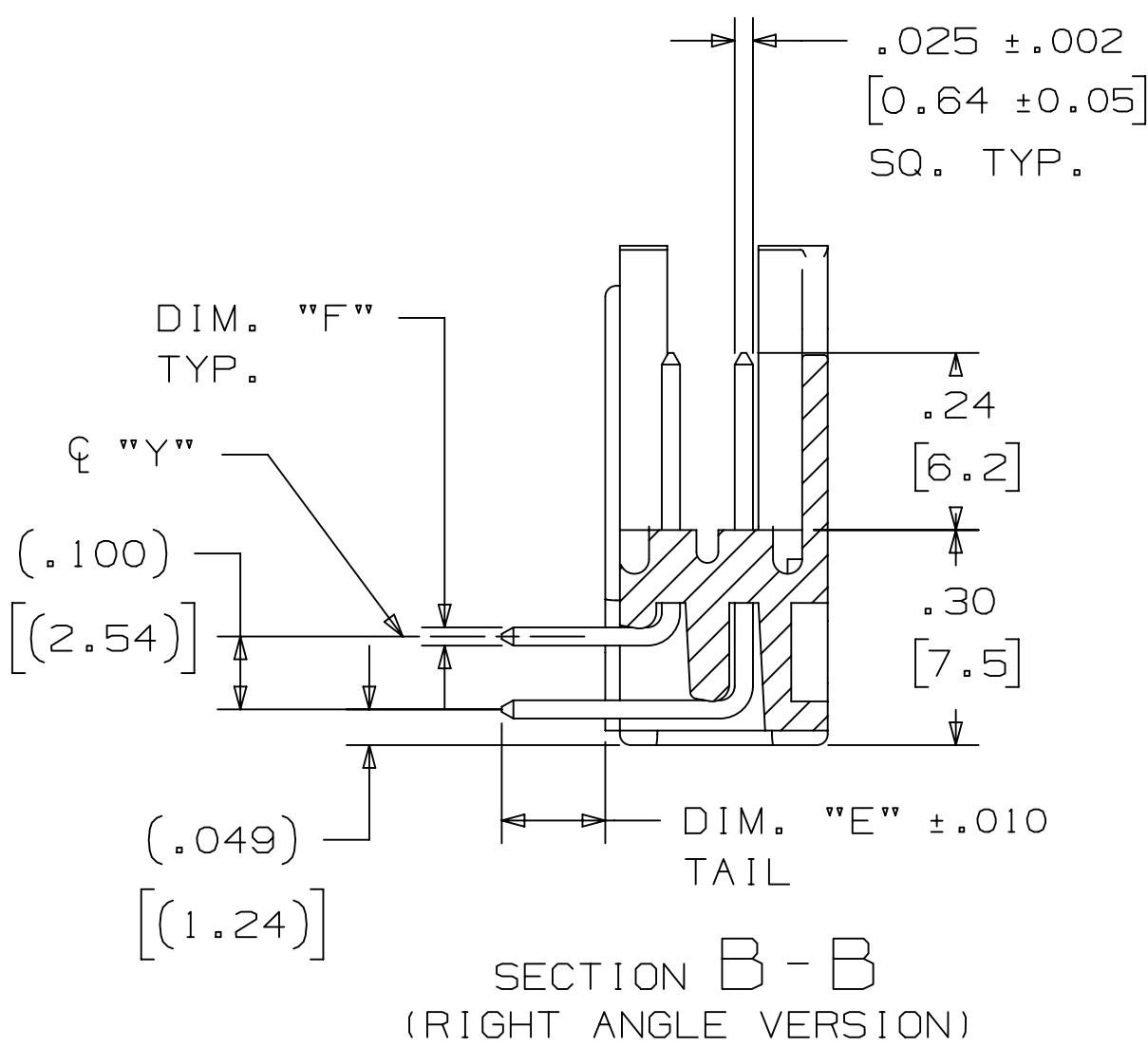
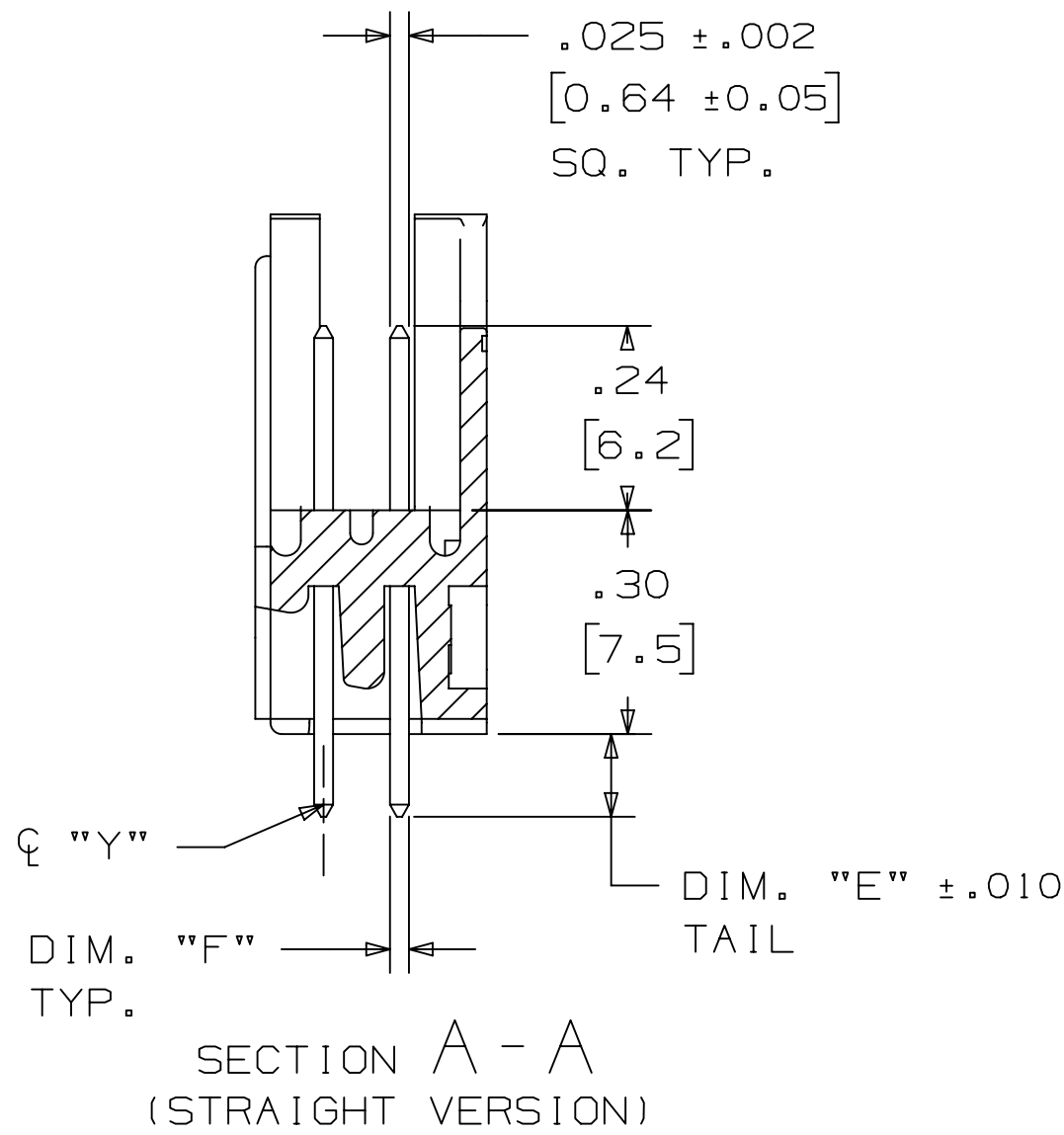


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	1.46 [37.2]	1.305 [33.12]	1.065 [27.05]	.91 [23.1]	BC	14
16	3408	1.56 [39.7]	1.405 [35.66]	1.165 [29.59]	1.01 [25.6]	ABC	16
20	3428	1.76 [44.8]	1.604 [40.74]	1.365 [34.67]	1.21 [30.7]	ABC	20
26	3429	2.06 [52.4]	1.905 [48.36]	1.665 [42.29]	1.51 [38.3]	ABC	26
34	3431	2.46 [62.6]	2.305 [58.52]	2.065 [52.45]	1.91 [48.5]	ABC	34
40	3432	2.76 [70.2]	2.605 [66.14]	2.365 [60.07]	2.21 [56.1]	ABC	40
50	3433	3.26 [82.9]	3.105 [78.84]	2.865 [72.77]	2.71 [68.8]	ABC	50
60	3372	3.76 [95.6]	3.605 [91.54]	3.365 [85.47]	3.21 [81.5]	ABC	60
64	3764	3.96 [100.7]	3.805 [96.62]	3.565 [90.55]	3.41 [86.6]	ABC	64

TABLE 2						
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"	PIN CROSS SECTION			DIM. "G"
-1XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	DIM. "F" .0245+/- .0005 [.622]	DIAGONALS .028+/- .001 [.71]	CORNER RADIUS .0075 REF. [.191]	.035+/- .003 [.89] SEE NOTE 5
-2XX2						
-1X03	.094 [2.39] TO .125 [3.18] THICK PC BOARD	.155 [3.94]	.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	.035+/- .003 [.89]
-2X03						

L	115955	MAY 08,2024	JNC	FJR
K	97909	JUN 22,2021	JNC	SAN
J	93619	JAN 07,2021	JNC	SAN
H	60056	MAR 06,2015	JNC	RS
G	56068	AUG 05,2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CASTIGLIONE	DATE 05,2014	MFR	DATE
CHKD		DATE	APPR	DATE
			R. SCHERER	SEP 05,2014

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DESIGN REFERENCE
NEXT ASSEMBLY

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

MAX. SURFACE ROUGHNESS
ALL SURFACES
MARKED ONLY

INTERPRET PER
ASME Y14.5 - 2018

INCHES
±.1
±.01
±.005
±.0002

MILLIMETERS
0
±
±
±

ANGLES
±

3M Center
St. Paul,
MN 55144

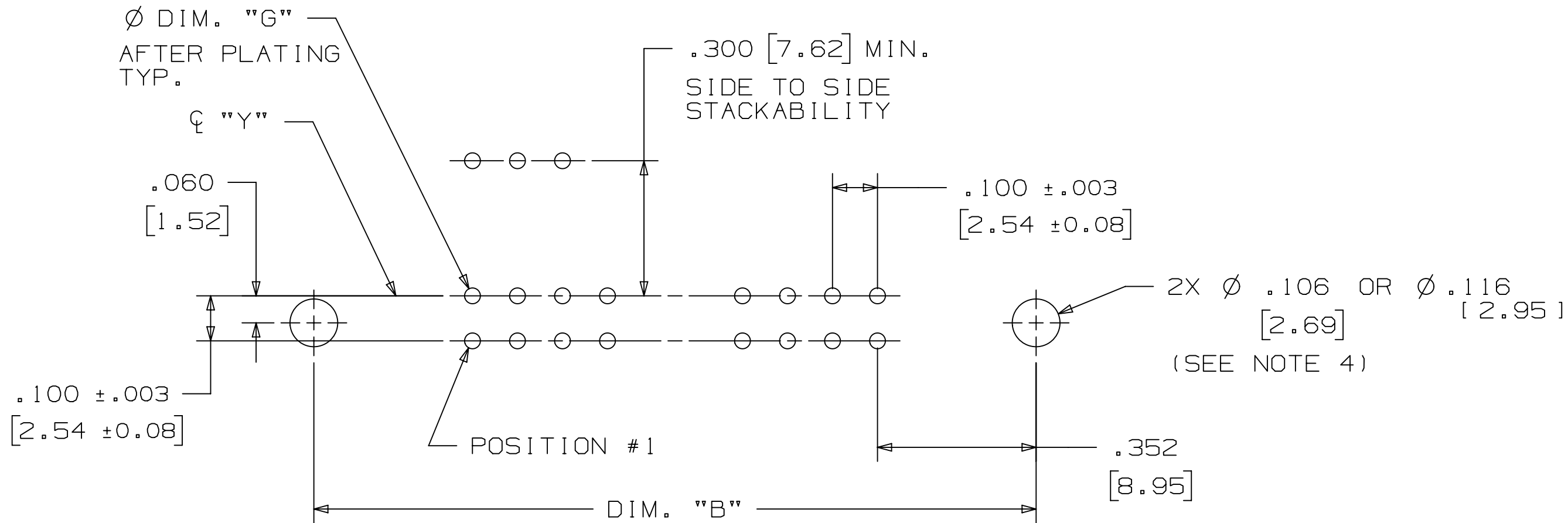
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TITLE
HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA

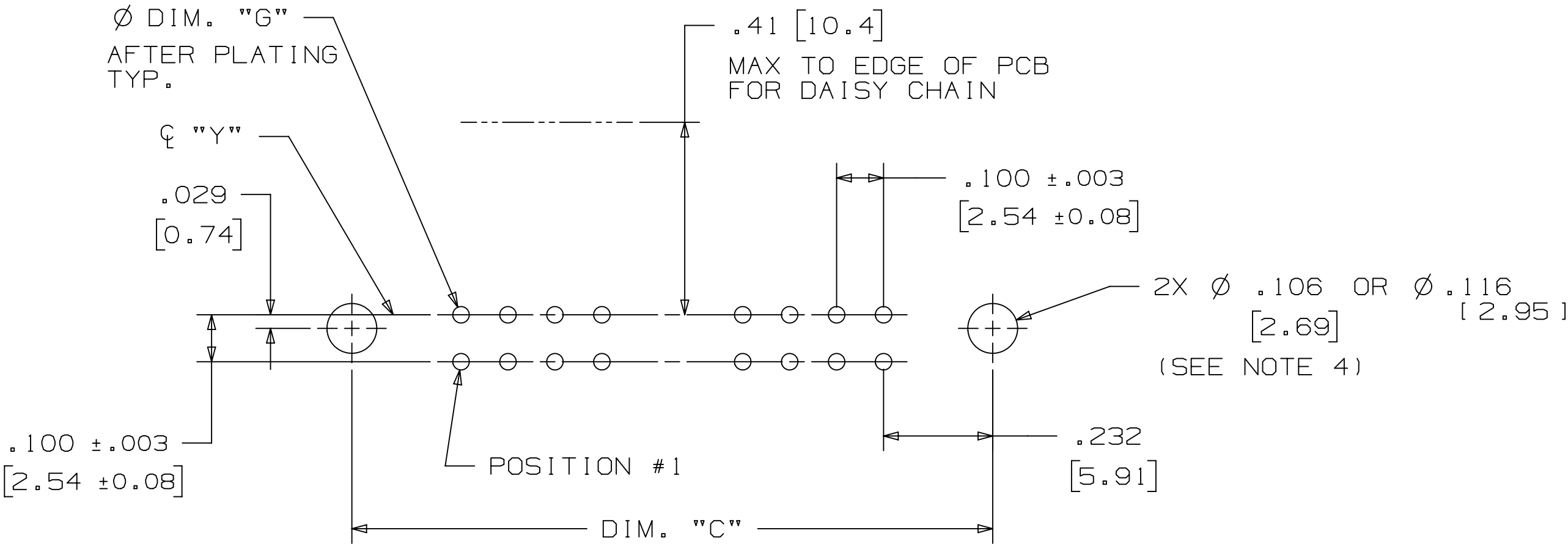
CAGE NUMBER
SIZE
DRAWING NO.
REV.
DET
SHT 2 OF 5

MODEL
3400

3M™ THREE-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



RECOMMENDED MOUNTING HOLE PATTERN
(STRAIGHT VERSION)



RECOMMENDED MOUNTING HOLE PATTERN
(RIGHT ANGLE VERSION)

PART CUSTOMIZATION

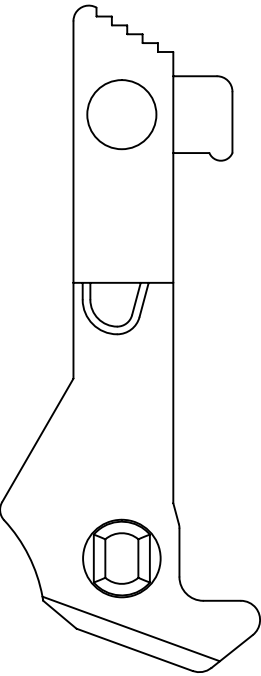
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

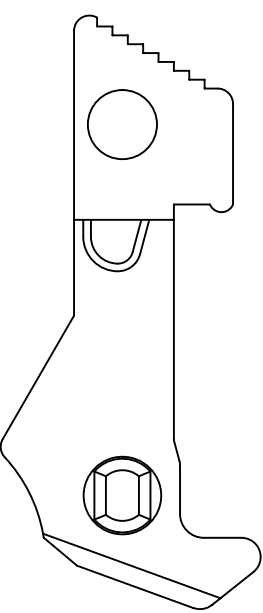
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

- * SELECTIVE PIN REMOVAL (ATA OR OTHER COMPATABILITY)
- * WIRE WRAP TAILS STYLE

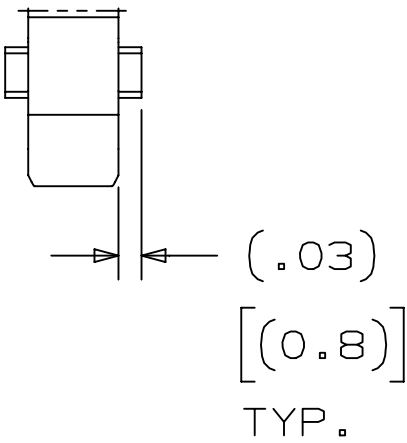


LONG



SHORT

SNAP-IN LATCHES

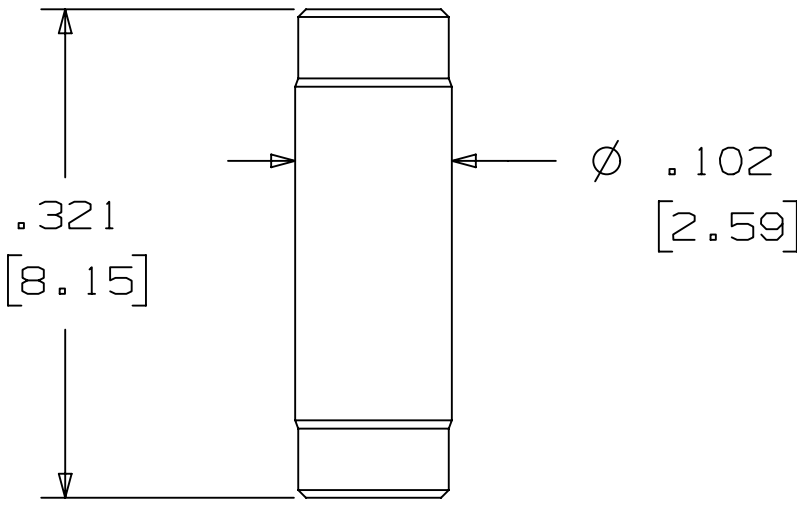


NOTE:
SNAP-IN LATCHES CAN ONLY BE ORDERED SEPARATELY AND ARE THE CUSTOMERS RESPONSIBILITY TO INSTALL.

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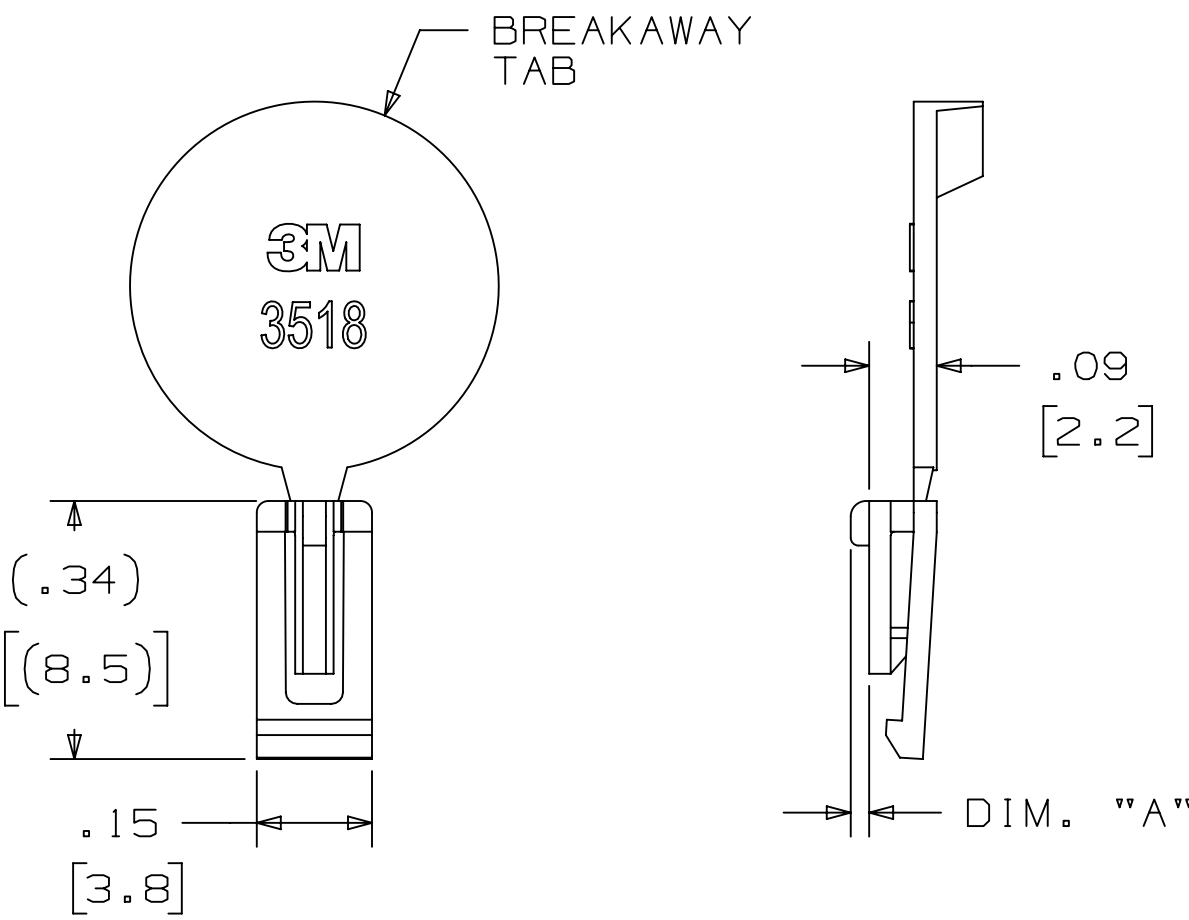
POLARIZING POST



3M PART NO.	MATERIAL	COLOR
3201-4	LCP	BLACK

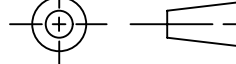
NOTE:
INSERT POST INTO ONE MOUNTING
HARDWARE HOLE ON BOTTOM OF HEADER.
SET POST TO PROTRUDE .115 [2.92]

POLARIZING KEY



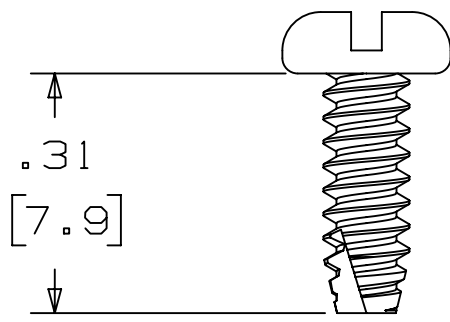
3M PART NO.	MATERIAL	COLOR	DIM. "A"
N3518	LCP	BLACK	.02

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

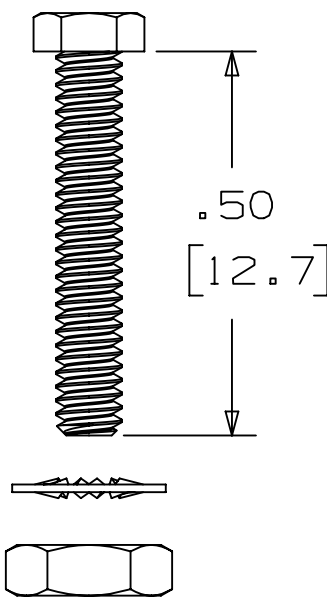
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	AUG 05, 2014	MFG	DATE
				CHKD		DATE		APPR	DATE
								R. SCHERER	SEP 05, 2014
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Interconnect Solutions		EMSD							
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED							
		INCHES		TITLE HEADER, 3-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT AND RA					
THIRD ANGLE PROJECTION		.00 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002							
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS							
MAX SURFACE ROUGHNESS		.00 ± .00 ± .000 ±		CAGE NUMBER					
☒ ALL SURFACES		ANGLES ±		SIZE DRAWING NO.					
☒ MARKED ONLY				D78-5100-0771-5					
				MODEL					
				3400					
				REV.					
				LISTS ☒ YES ☒ NO SHT 3 OF 5					

3M™ THREE-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

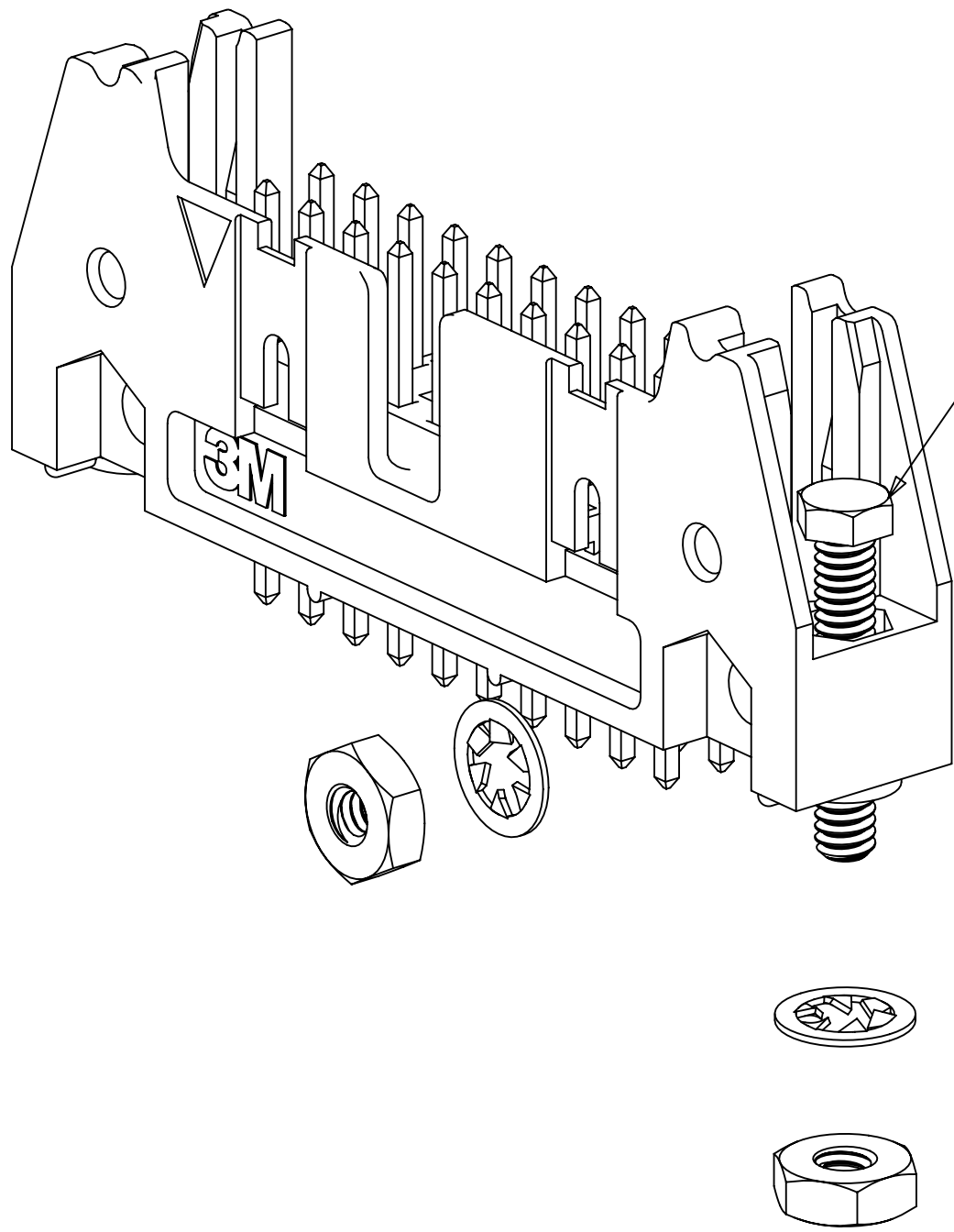
MOUNTING HARDWARE



3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL B6
MATERIAL: STAINLESS STEEL

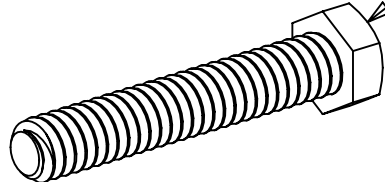


3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL

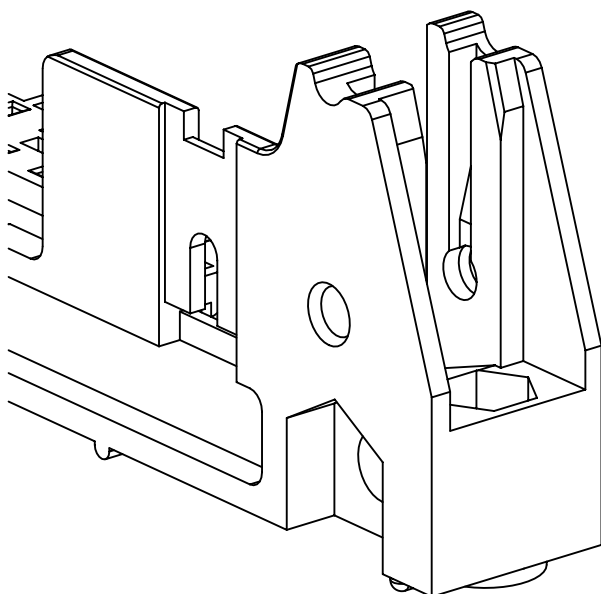


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

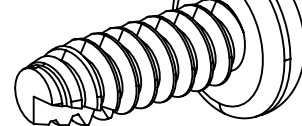
RIGHT ANGLE VERSION INSTALL



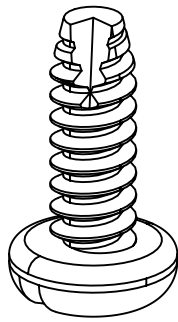
3341-6
#2-56 NUT AND BOLT



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



3341-5



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DESIGN REFERENCE		NEXT ASSEMBLY		REV		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF		XREF		ECO		AUG 05,2014		ECO	ECO
DIVISION		DIVISION CODE		DRFT		DATE		DATE	DATE
Interconnect Solutions		EMSD		CASTIGLIONE		AUG 05,2014		MF8	SEP 05,2014
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		CHKD		DATE		APPR	DATE
THIRD ANGLE PROJECTION		INCHES		R. SCHERER		AUG 05,2014		SEP 05,2014	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		3M Center		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.		© 3M COPYRIGHT 2024	
MAX SURFACE ROUGHNESS		CAGE NUMBER		D78-5100-0771-5		L		REV.	
MARKED ONLY		MODEL		3400		DET		YES NO SHT 4 OF 5	

3M™ THREE-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

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L	115955	MAY 08,2024	JNC	FJR
K	97909	JUN 22,2021	JNC	SAN
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DRFT	CASTIGLIONE	DATE AUG 05,2014	MFG	DATE
CHKD		DATE	APPRV. R. SCHERER	DATE SEP 05,2014
DIVISION Interconnect Solutions		DIVISION CODE EMSD		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		
		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .0 ± .00 ± .000 ±		
MAX. SURFACE ROUGHNESS ALL SURFACES ☒ MARKED ONLY		CAGE NUMBER D78-5100-0771-5		
		SIZE 3400		
		DRAWING NO. D78-5100-0771-5		
		REV. L		
		DET. LISTS ☐ YES ☒ NO		
		SHT 5 OF 5		