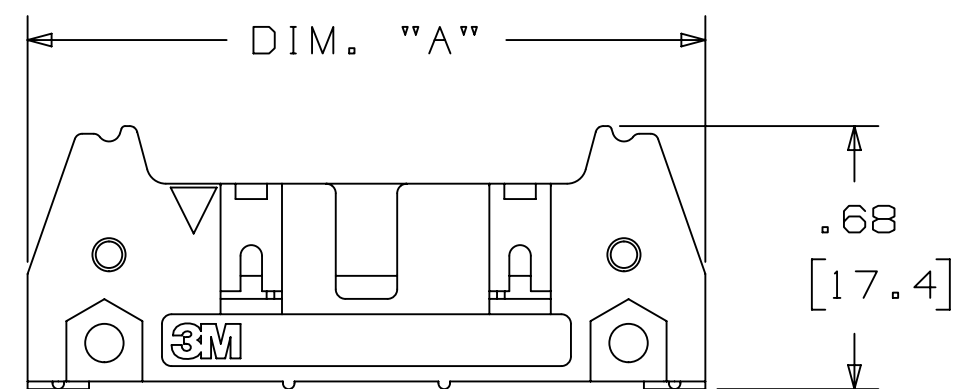
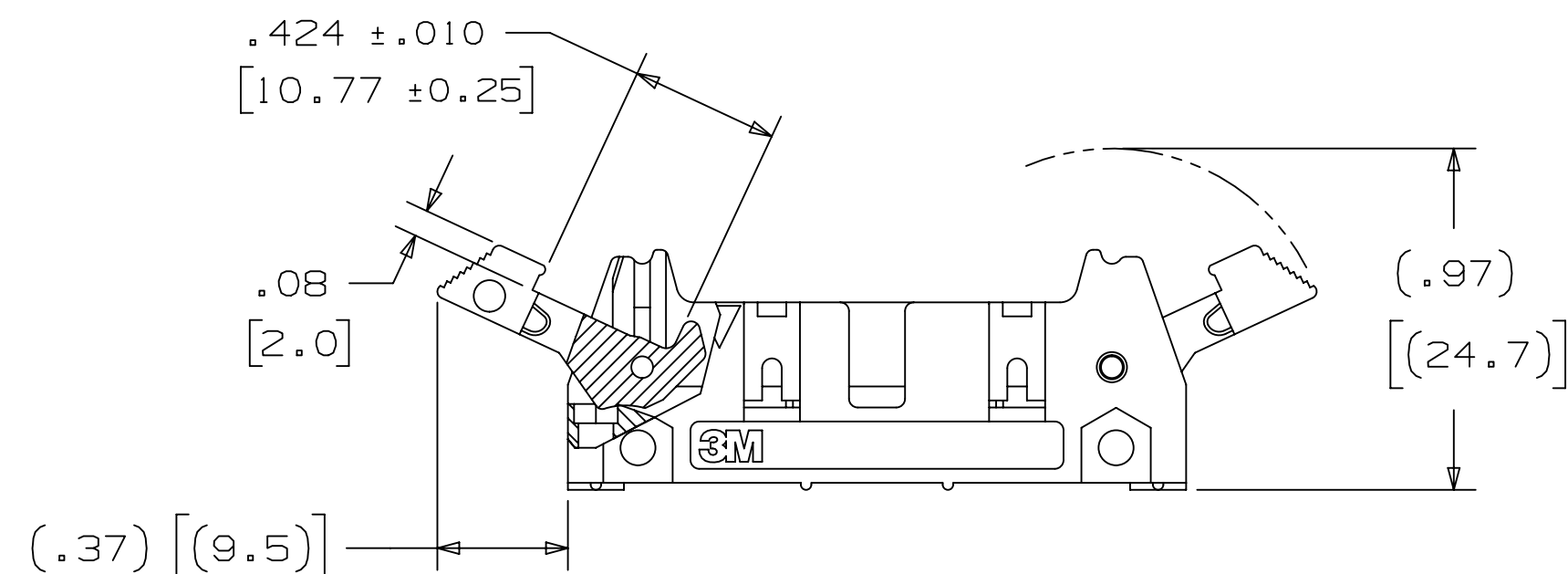


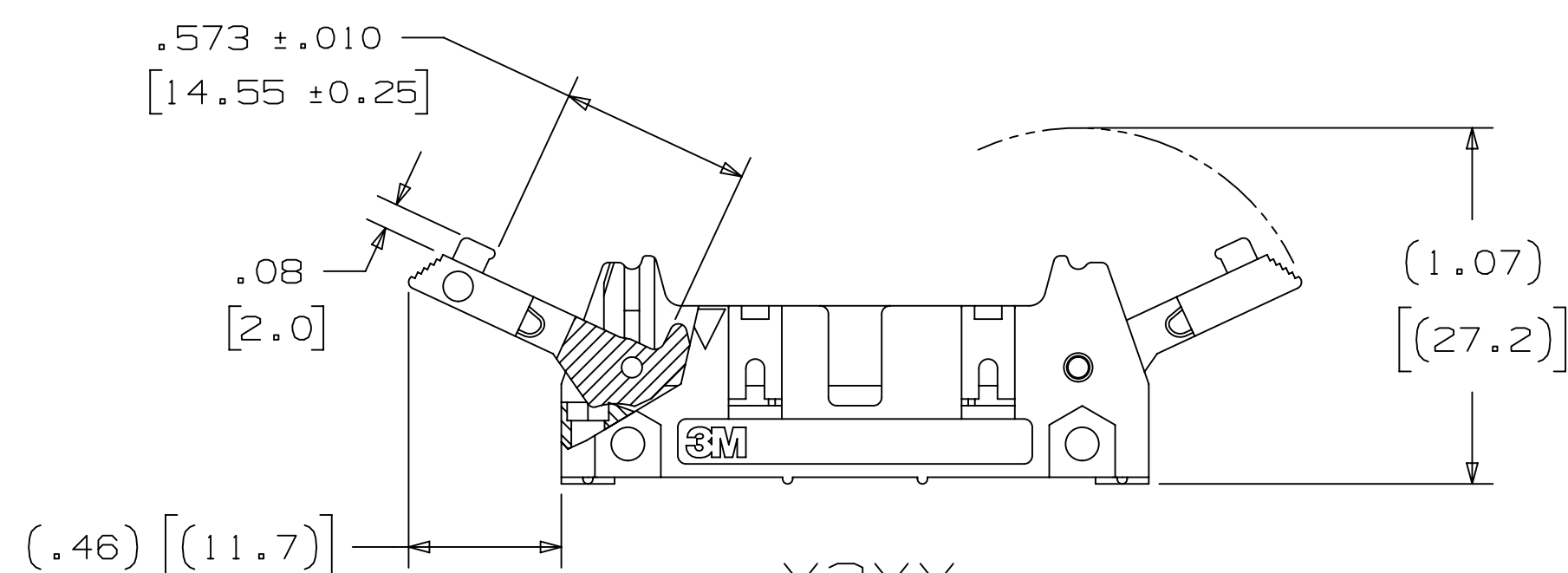
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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

D= HIGH TEMP BLACK (PCT)/(AR PLATING REQ'D) —
N= HIGH TEMP BLACK (PCT)/(RB PLATING REQ'D)
BLANK= HIGH TEMP BLACK (PCT)/(EB PLATING REQ'D)

3M PART NUMBER:
(SEE TABLE 1)

PIN CONFIGURATION: _____
5 = RIGHT ANGLE SOLDER TAILS
6 = STRAIGHT SOLDER TAILS

- PLATING:

AR = 50 μ "-150 μ " [1.27 μ m-3.81 μ m] NICKEL-OVERALL
10 μ " [0.25 μ m] AVG. GOLD, 40-120 μ " [1-3 μ m] MATTE TIN TAILS
RB = 50 μ "-150 μ " [1.27 μ m-3.81 μ m] NICKEL-OVERALL
30 μ " [0.76 μ m] AVG. GOLD, 200 μ " [5.08 μ m] MATTE TIN TAILS

TAIL:
02 = FOR .062 [1.57] THICK BOARD (N & D)
03 = FOR .094 TO .125 [2.39 TO 3.18] THICK BOARD (N ONLY)

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.
- * OPTIONAL EJECTOR LATCHES.
- * MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- * OPTIONAL POLARIZING POSTS AVAILABLE.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.
- * STRAIGHT, RIGHT ANGLE SOLDER TAIL OPTIONS.

2 PHYSICAL :

```

INSULATOR:
  MATERIAL: HIGH TEMP GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
  COLOR: BLACK
  CONTACT:
    MATERIAL: COPPER ALLOY
    PLATING:
UNDER PLATING: NICKEL-OVERALL (SEE ORDERING INFORMATION)
  WIPING AREA: GOLD (SEE ORDERING INFORMATION)
  SOLDER TAILS: MATTE TIN (SEE ORDERING INFORMATION)
  MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

```

2 ELECTRICAL :

EIA 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
UL CURRENT RATING: 1.0A ALL LINES POWERED
UL VOLTAGE RATING: 250V

2 ENVIRONMENTAL :

UL TEMPERATURE RATING: 130C
EIA 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)

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: FROM SOLDER SIDE OF PC BOARD USE #4-24 THREAD CUTTING SCREW (3M PART #3341-5) WITH Ø.116 [2.95] MOUNTING HOLE. FOR RIGHT ANGLE VERSION ONLY: #2-56 BOLT AND NUT (3M PART #3341-6) WITH Ø.106 [2.69] MOUNTING HOLE MAY BE USED.

X	115955	MAY 08,2024 REMOVE 05 WWT TAIL	JNC	FJR
W	112712	NOV 29,2023 UL VOLTAGE WAS 125	JNC	FJR
V	97909	JUN 22,2021 REVISED ORDERING INFO	JNC	SAN
U	93619	JAN 07,2021 REMOVE TIN LEAD PLATING AND KINK TAILS	JNC	SAN
T	62689	JUL 10,2015 ADD 5X05 OPTION AND REVISE NOTES	JNC	SN
S	60056	MAR 06,2015 REVISE ORDERING NUMBER	JNC	RS
R	56068	JUL 25,2014 REVISED AND REDRAWN	JNC	RS

REV	ECO	ISSUE DATE AND DESCRIPTION	DATE	CHKD
DRAFT CAST IGL LONE		DATE JUL 25, 2014	DATE	
CHKD		DATE	APPROV R. SCHERER	DATE SEP 05, 2014
 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2024 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.		
		TITLE		
4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA				
CAGE NUMBER	SIZE	DRAWING NO.		REV.
D	1	D78-5100-0772-3		X
MODEL	3400	DET. LISTS ☐ YES ☐ NO SHT 1 OF 3		

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

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DIVISION		DIVISION CODE
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~~DO NOT SCALE DRAWING~~	~~SCALE~~	TOLERANCES EXCEPT AS NOTED
		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .0 ± .00 ± .000 ±
INTERPRET PER ASME Y14.5 - 2018		
~~MAX SURFACE ROUGHNESS~~		~~ANGLES ±~~
☒ ALL SURFACES ☐ MARKED ONLY		

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TITLE
4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA

CAGE NUMBER	SIZE D	DRAWING NO. 78-5100-0772-3	REV. X
MODEL 3400		DET. LISTS ☐ YES ☒ NO	SHT 1 OF 5

UL[®]
US
UL FILE NO: E68080

3M™ FOUR-WALL HEADER, 3000 SERIES

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

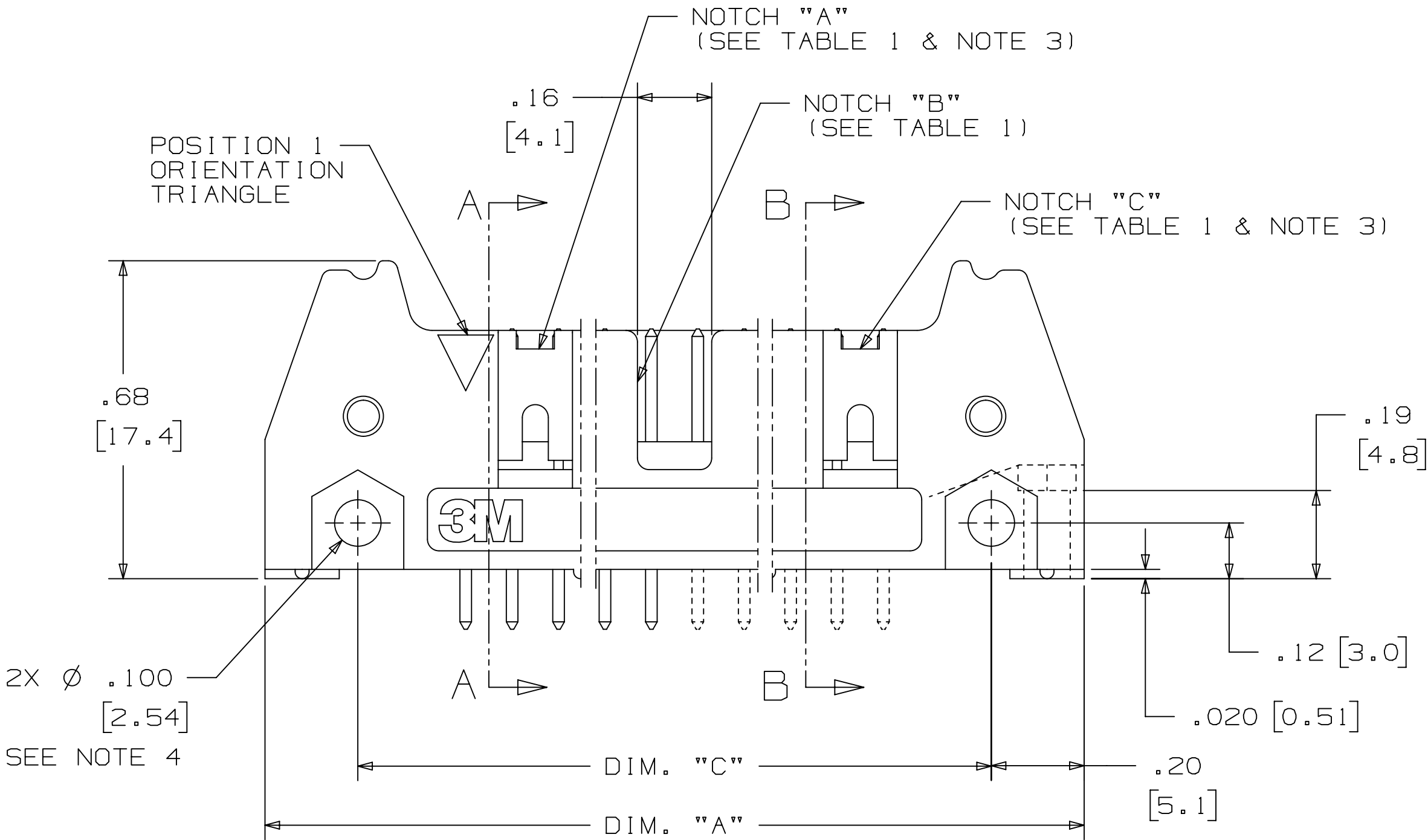
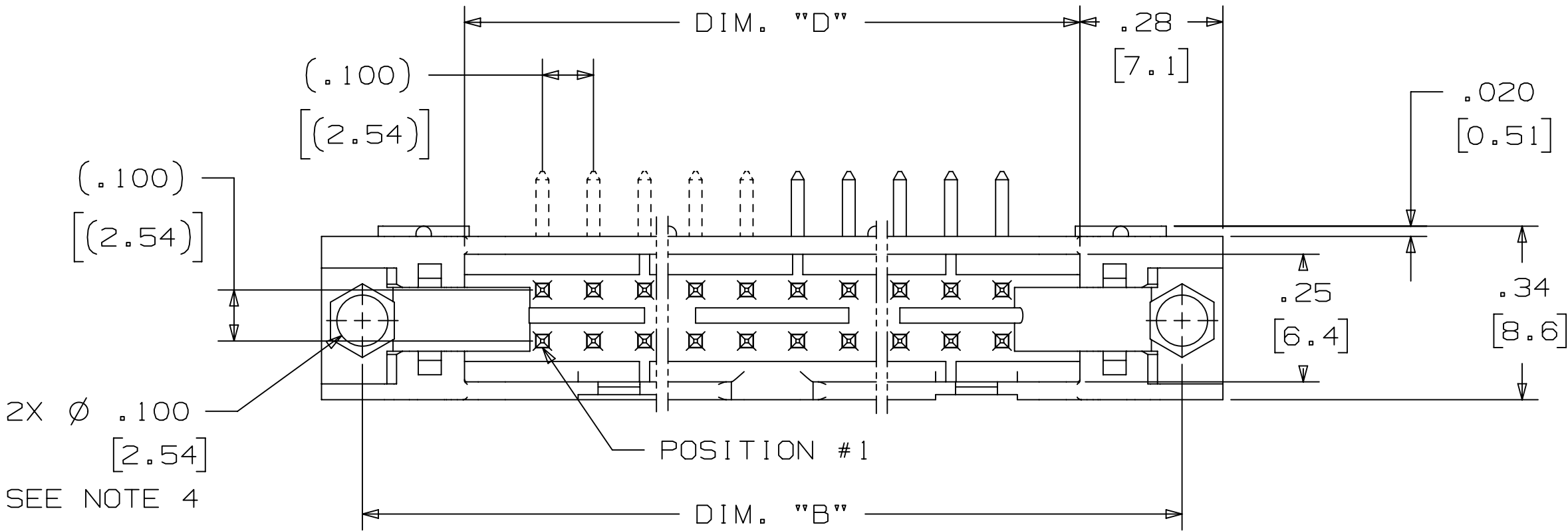
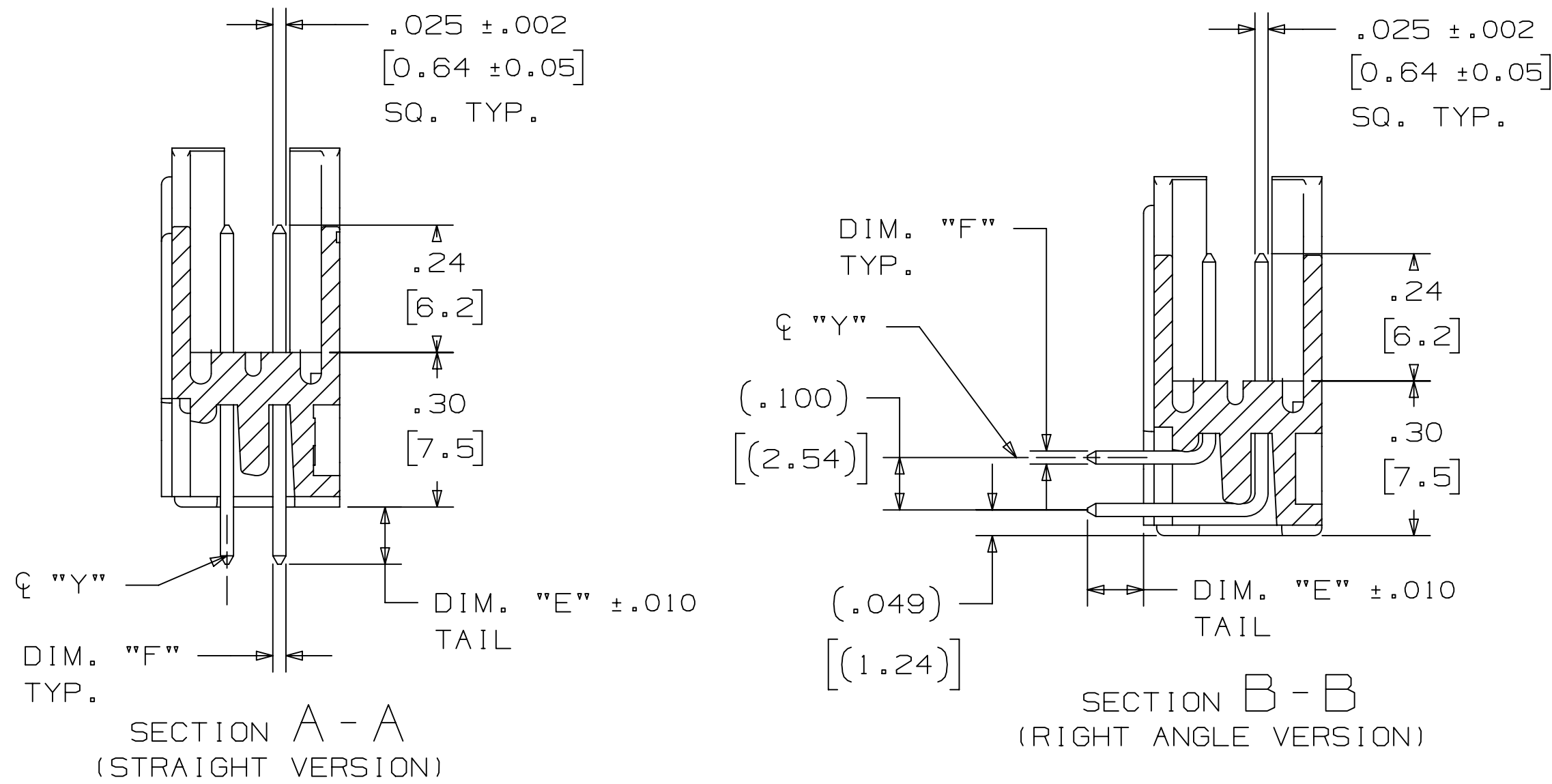


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	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
24	3627	1.96 [49.9]	1.805 [45.82]	1.565 [39.75]	1.41 [35.8]	ABC	24
26	3429	2.06 [52.4]	1.905 [48.36]	1.665 [42.29]	1.51 [38.3]	ABC	26
30	3440	2.26 [57.5]	2.105 [53.44]	1.865 [47.37]	1.71 [43.4]	ABC	30
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

* AVAILABLE WITHOUT CENTER NOTCH B. CONTACT 3M

3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"	PIN CROSS SECTION			DIM. "G"
			DIM. "F"	DIAGONALS	CORNER RADIUS	
-5XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 [.191] REF.	.035+/- .003 [.89] SEE NOTE 5
-6XX2						
-5X03	.094 [2.39] TO .125 [3.18] THICK PC BOARD	.155 [3.94]	.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 [.191] REF.	.035+/- .003 [.89]
-6X03						

X	115955	MAY 08,2024	JNC	FJR
W	112712	NOV 29,2023	JNC	FJR
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R	56068	JUL 25,2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CSTIGLIONE	DATE JUL 25,2014	MFG	DATE
CHKD		DATE	APPRV. R. SCHERER	DATE SEP 05,2014

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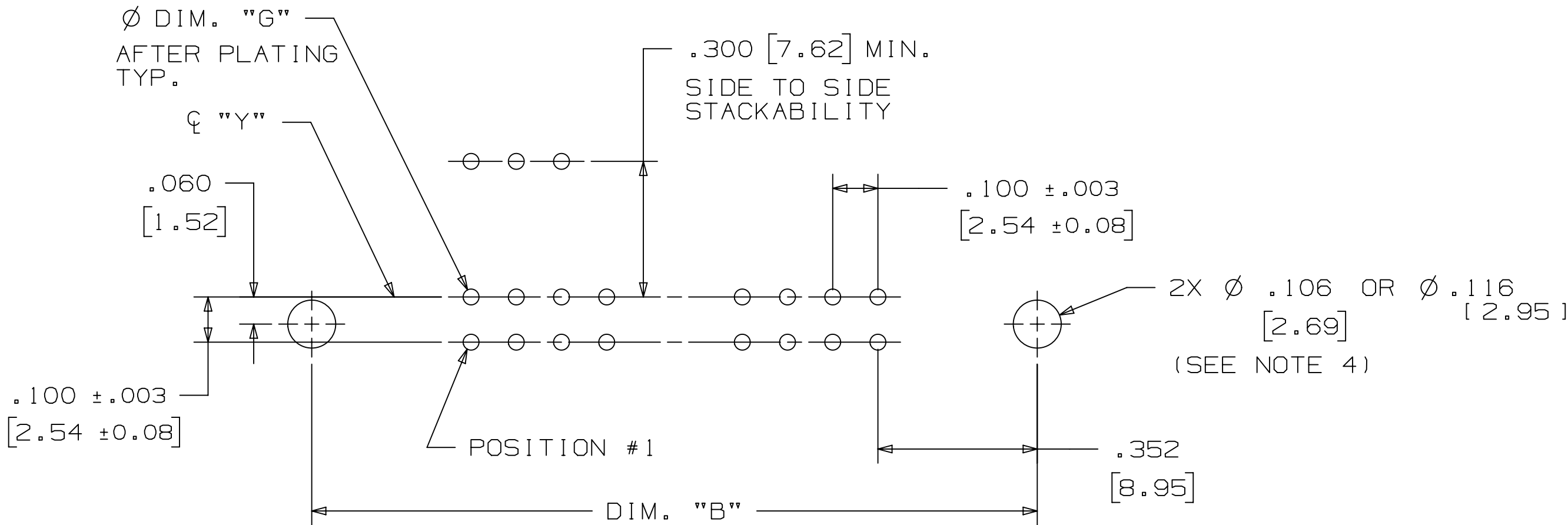
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MAX. SURFACE ROUGHNESS
ALL SURFACES
MARKED ONLY

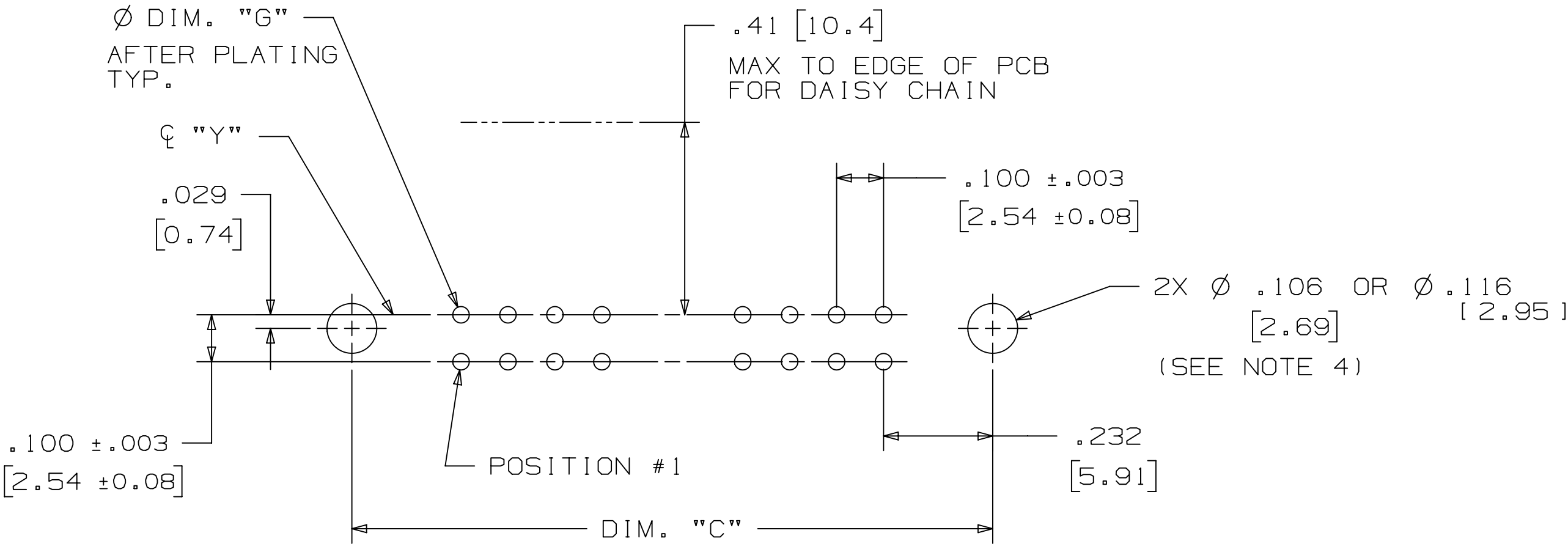
SCALE
TOLERANCES EXCEPT AS NOTED
INCHES
0 ±.1
.00 ±.01
.000 ±.005
.0000 ±.0002
MILLIMETERS
0 ±
.0 ±
.00 ±
.000 ±
ANGLES ±

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TITLE
4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA
CAGE NUMBER
D 78-5100-0772-3
SIZE
DRAWING NO.
REV.
X
MODEL
3400
DET
LISTS
YES
NO
SHT 2 OF 5

3M™ FOUR-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

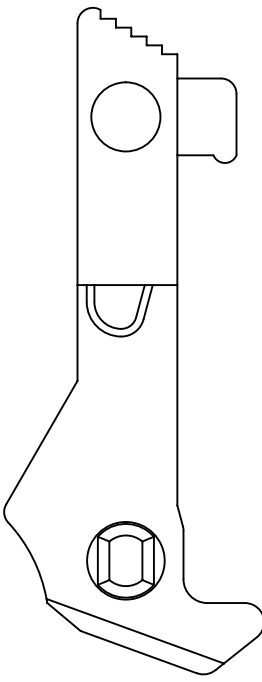
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

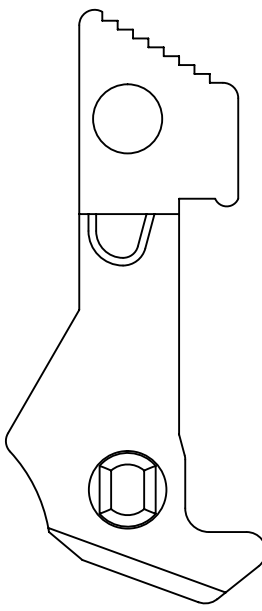
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

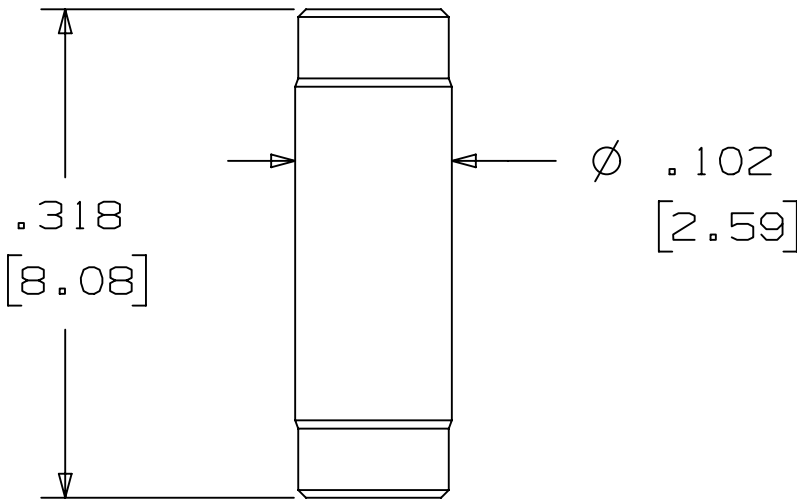
SNAP-IN LATCHES

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

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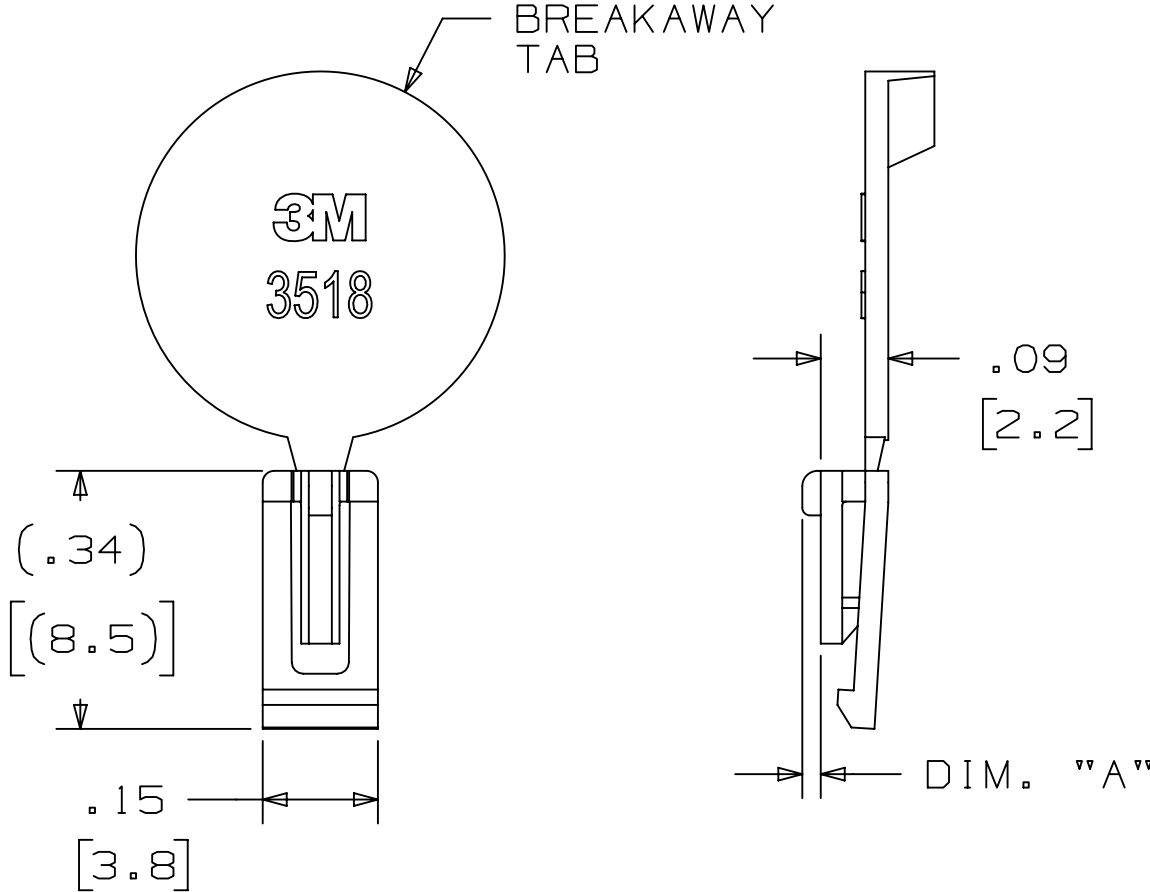
POLARIZING POST



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 KEYS



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

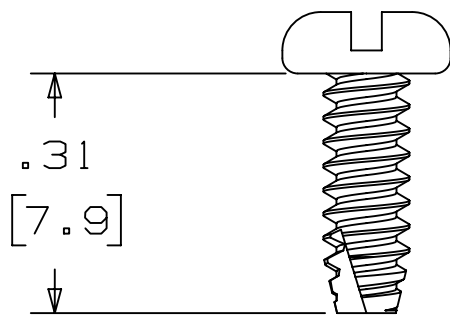
NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

X	115955	MAY 08,2024 REMOVE 05 WWT TAIL	JNC	FJR
W	112712	NOV 29,2023 UL VOLTAGE WAS 125	JNC	FJR
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R	56068	JUL 25,2014 REVISED AND REDRAWN	JNC	RS

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ACCESS CODES				DRFT	CASTIGLIONE	DATE	JUL 25, 2014	MFG	DATE
				CHGD		DATE		APPRV. R. SCHERER	DATE SEP 05, 2014
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2024					
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		INCHES		TITLE					
THIRD ANGLE PROJECTION		.00 ±.1 .000 ±.01 .000 ±.005 .0000 ±.0002		4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA					
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		CAGE NUMBER					
MAX SURFACE ROUGHNESS		0 ± .00 ± .000 ±		SIZE		DRAWING NO.		REV.	
ALL SURFACES		0 ±		D		78-5100-0772-3		X	
☒ MARKED ONLY		ANGLES		MODEL		LISTS		☒ YES ☒ NO SHT 3 OF 5	
		3400							

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

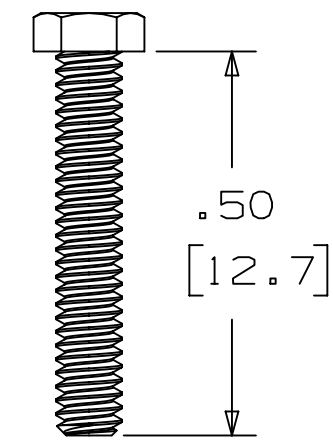
MOUNTING HARDWARE



3341-5

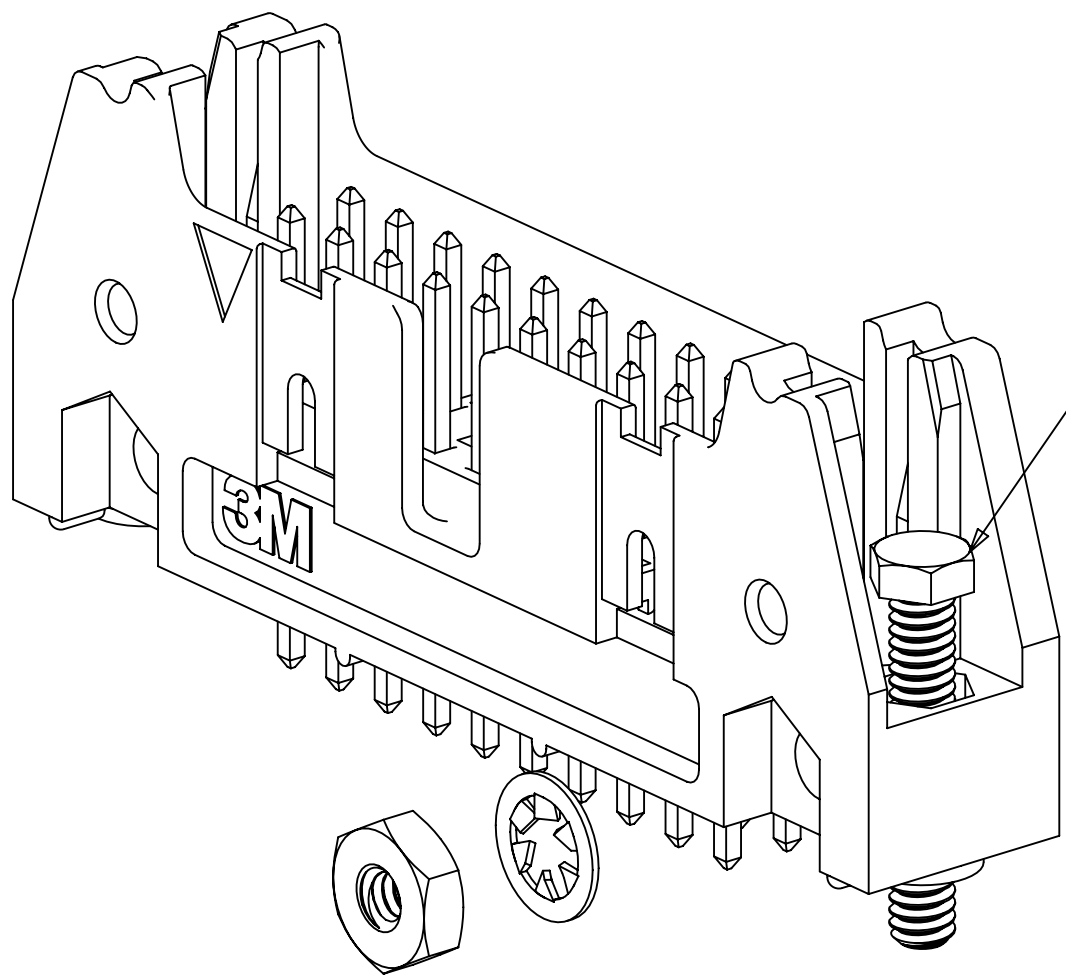
(INSTALL FROM BOTTOM OF BOARD)
SEE NOTE 4

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



3341-6

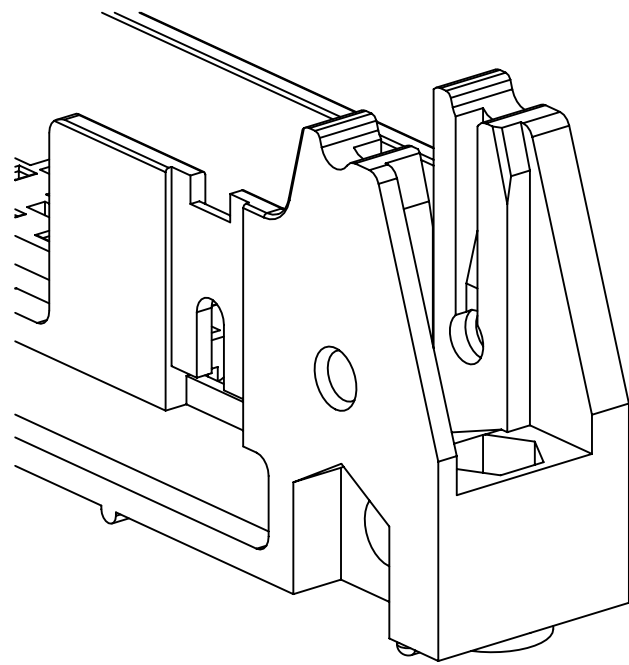
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



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

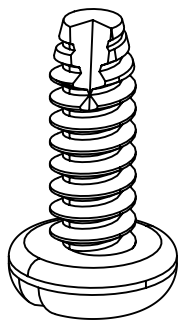
RIGHT ANGLE VERSION INSTALL

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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X		115955		MAY 08,2024		REMOVE 05 WWT TAIL		JNC		FJR	
W		112712		NOV 29,2023		UL VOLTAGE WAS 125		JNC		FJR	
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U		93619		JAN 07,2021		REMOVE TIN LEAD PLATING AND KINK TAILS		JNC		SAN	
T		62689		JUL 10,2015		ADD 5X05 OPTION AND REVISE NOTES		JNC		SN	
S		60056		MAR 06,2015		REVISE ORDERING NUMBER		JNC		RS	
R		56068		JUL 25,2014		REVISED AND REDRAWN		JNC		RS	
REV		ECO		JUL 25,2014		MFG		DATE		DATE	
CHKD		CASTIGLIONE		DATE		APPR		R. SCHERER		DATE	
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THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY		CAGE NUMBER D78-5100-0772-3		SIZE 3400		DRAWING NO. D78-5100-0772-3	
X		115955		MAY 08,2024		REMOVE 05 WWT TAIL		JNC		FJR	
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S		60056		MAR 06,2015		REVISE ORDERING NUMBER		JNC		RS	
R		56068		JUL 25,2014		REVISED AND REDRAWN		JNC		RS	
REV		ECO		JUL 25,2014		MFG		DATE		DATE	
CHKD		CASTIGLIONE		DATE		APPR		R. SCHERER		DATE	
DIVISION		Interconnect Solutions		DIVISION CODE		EMSD		3M		3M Center St. Paul, MN 55144	
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		INCHES ±.1 ±.01 ±.005 ±.0002		MILLIMETERS 0 ± ± ±		TITLE 4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA	
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3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
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DESIGN REFERENCE		NEXT ASSEMBLY	
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		MODEL 3400	
		LISTS YES NO SHT 5 OF 5	