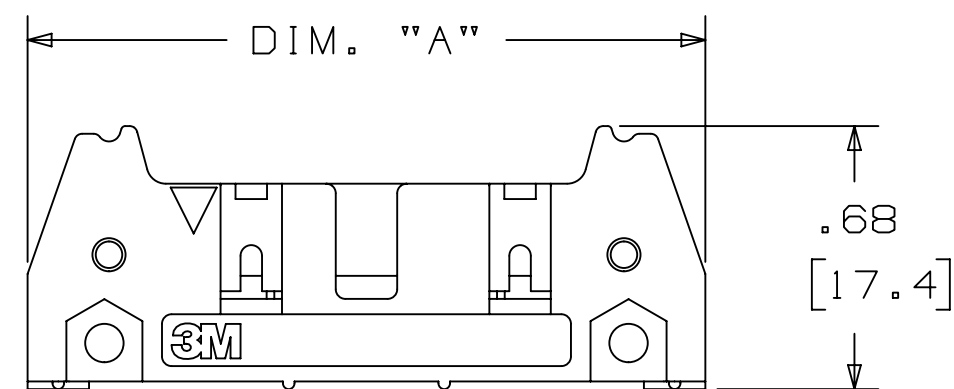
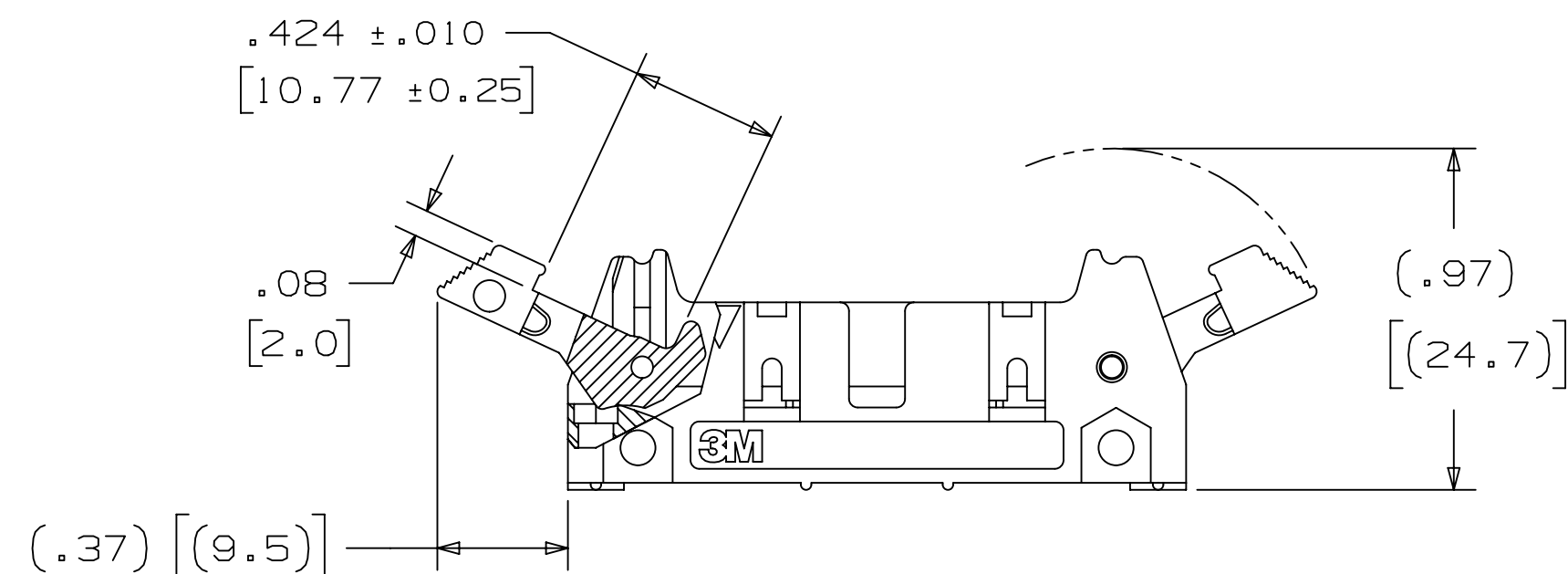


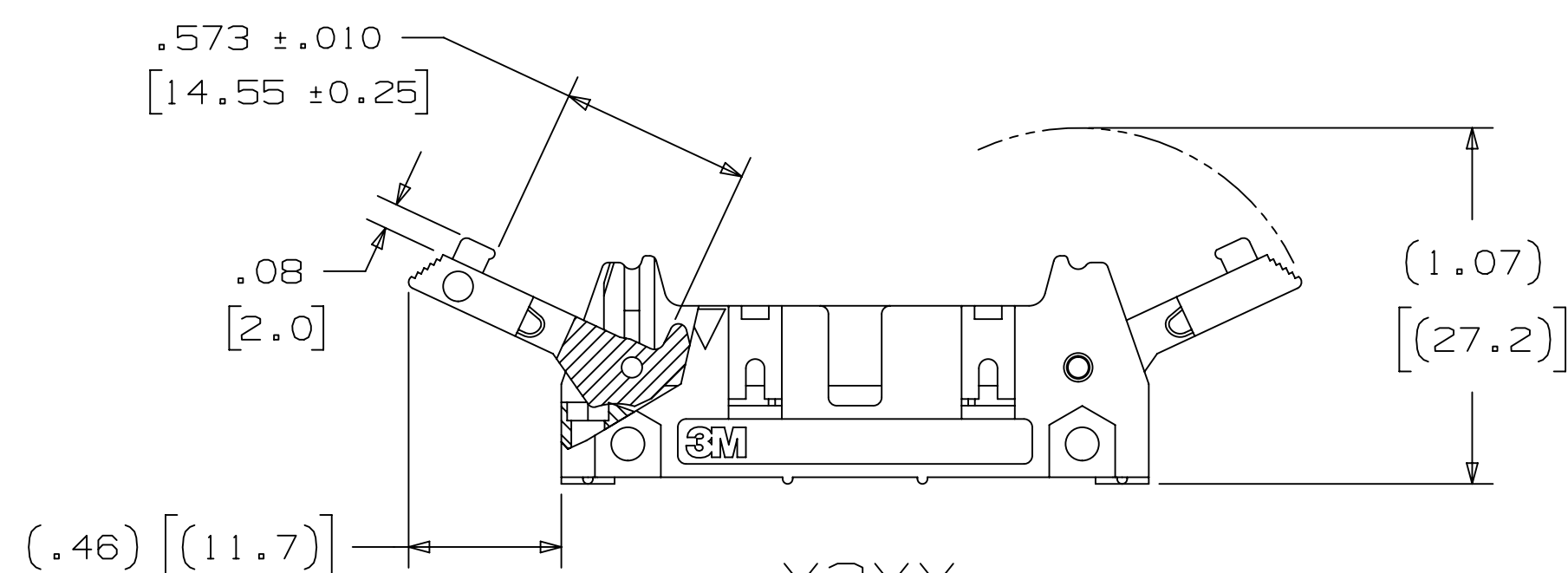
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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

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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)

- * 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.

NOTE

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 CASTIGLIONE		DATE JUL 25, 2014	DATE	
CHKD		DATE	APPROV. R. SCHERER	DATE SEP 05, 2014
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		TITLE		
4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA				
CAGE NUMBER	SIZE	DRAWING NO.		REV.
	D	78-5100-0772-3		X
MODEL	3400	DET. ☐ LISTS ☐ YES ☐ NO ☐ SHT 1 OF 3		

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

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

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St. Paul,
MN 55144

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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 FILE NO: E68080

3M™ FOUR-WALL HEADER, 3000 SERIES

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

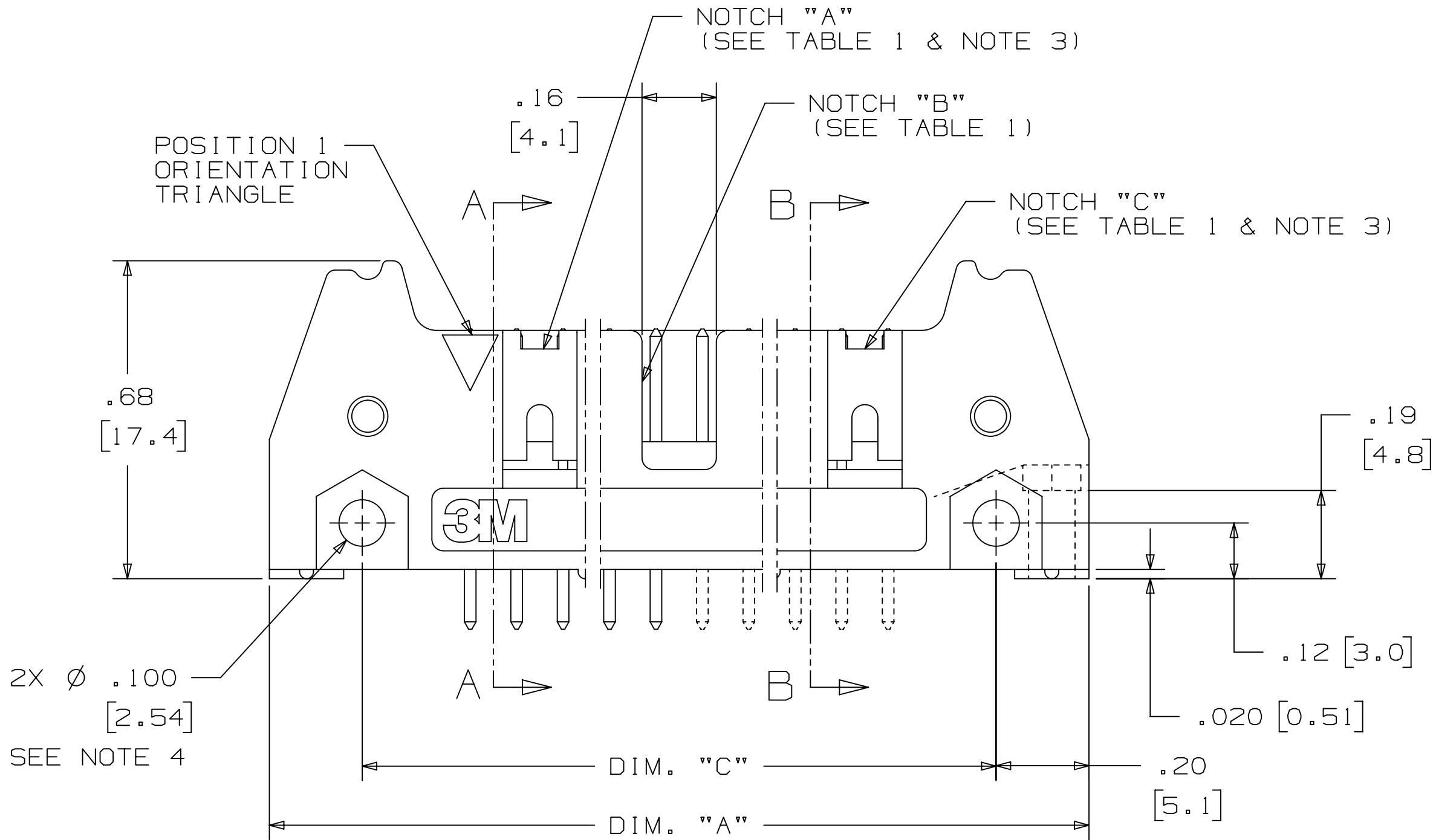
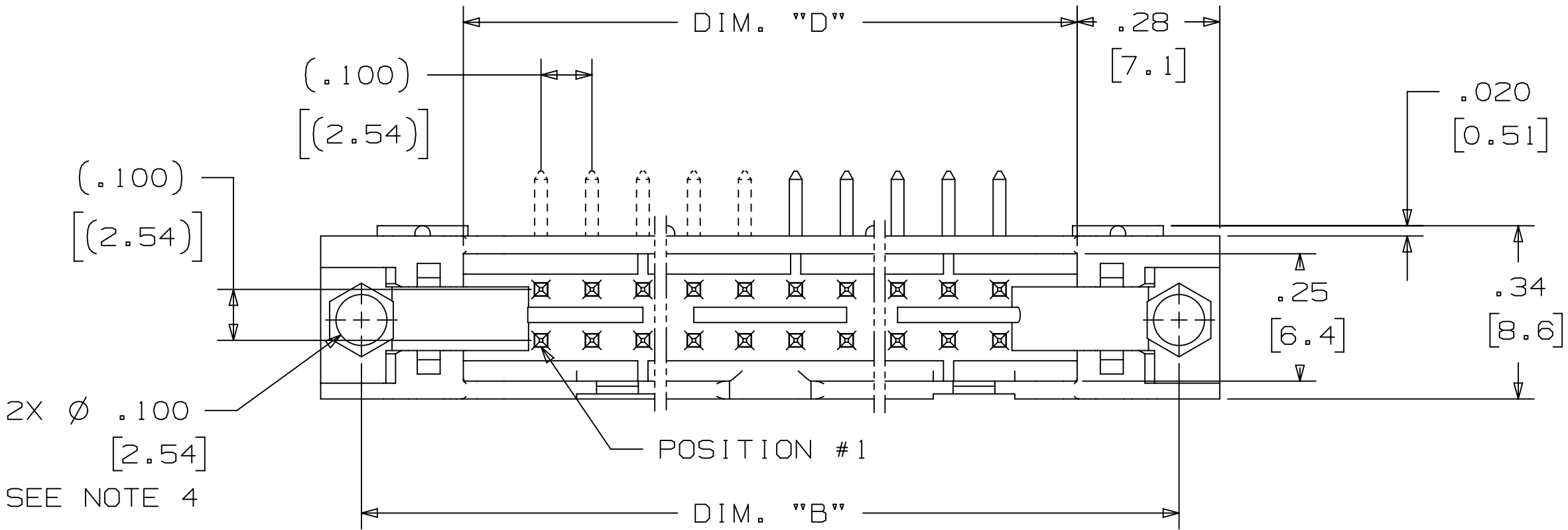
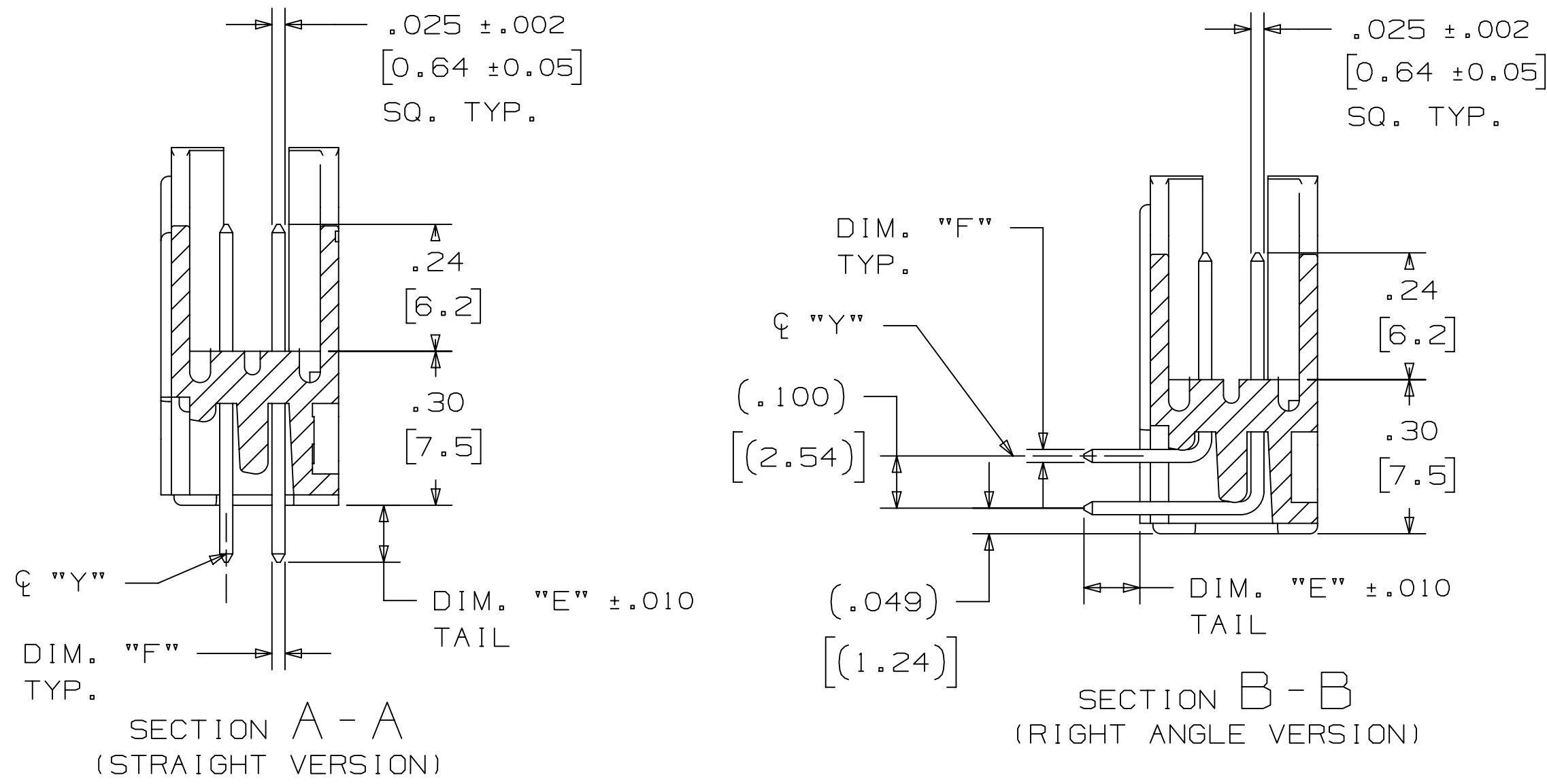


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	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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U	93619	JAN 07,2021	JNC	SAN
T	62689	JUL 10,2015	JNC	SN
S	60056	MAR 06,2015	JNC	RS
R	56068	JUL 25,2014	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CASTIGLIONE	DATE JUL 25,2014	MFG	DATE
CHKD		DATE	APPRV. R. SCHERER	DATE SEP 05,2014

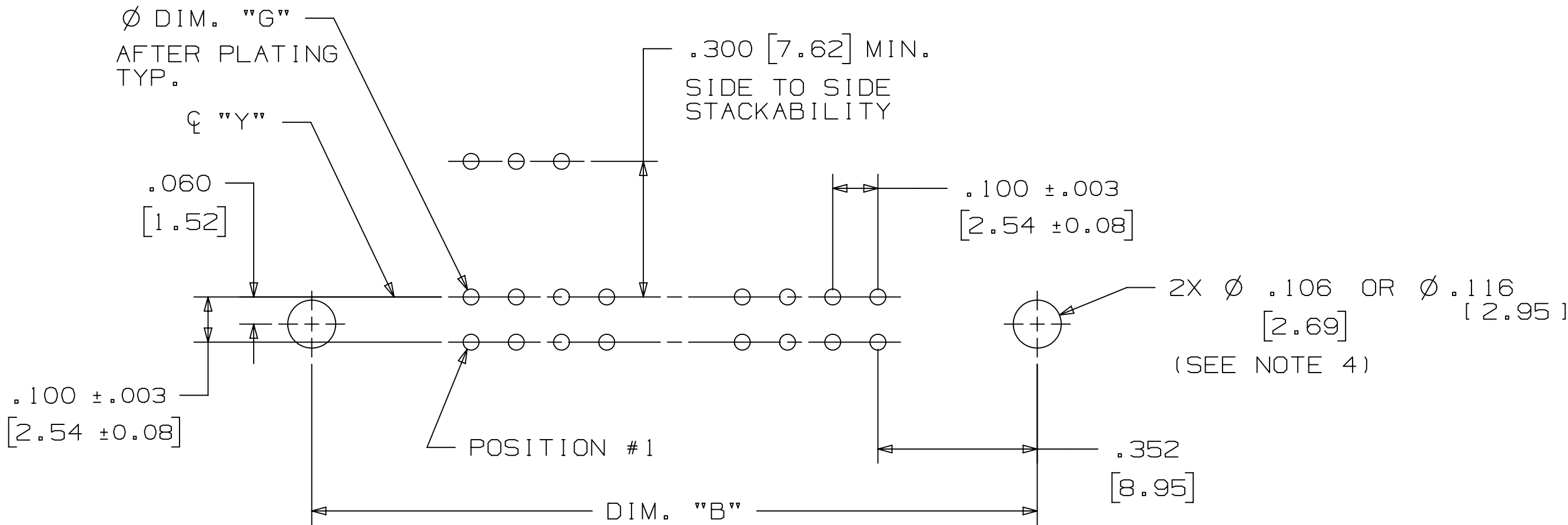
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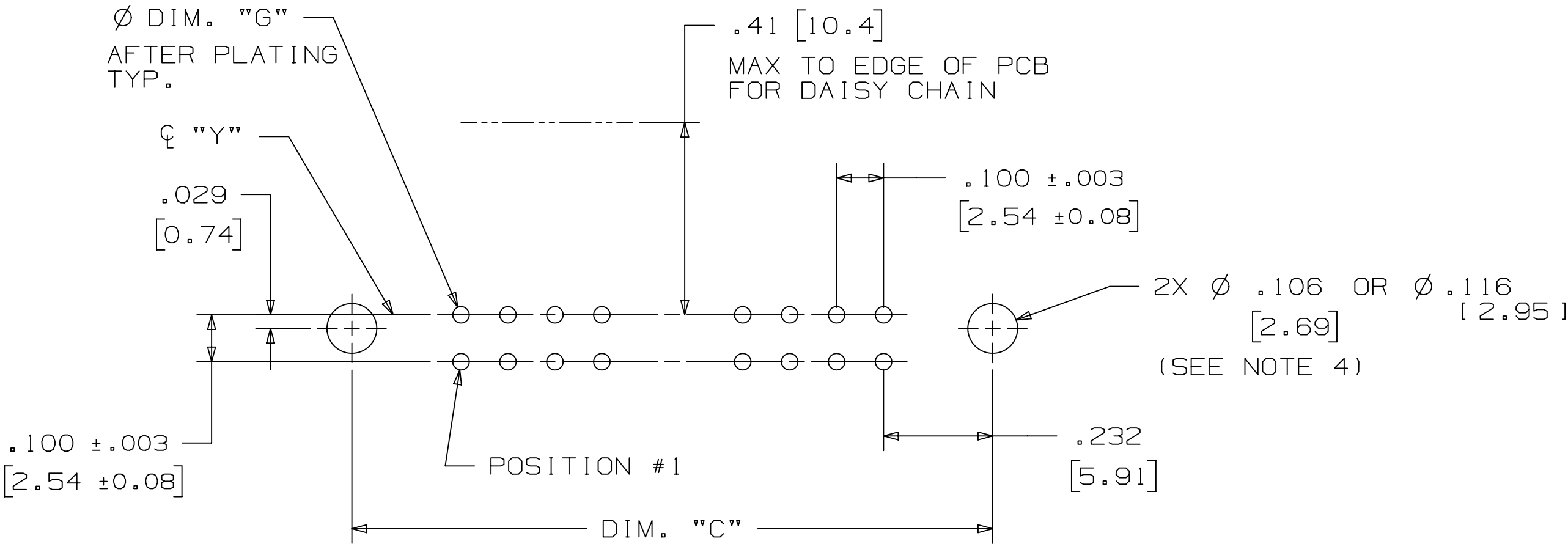
DESIGN REFERENCE	NEXT ASSEMBLY
DO NOT SCALE DRAWING	SCALE
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018
MAX. SURFACE ROUGHNESS	ALL SURFACES
MARKED ONLY	MARKED ONLY
TOLERANCES EXCEPT AS NOTED	INCHES ±.1 ±.01 ±.005 ±.0002
	MILLIMETERS 0 ±.1 ±.005 ±.0002
	ANGLES

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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
MODEL	3400	REV. X
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

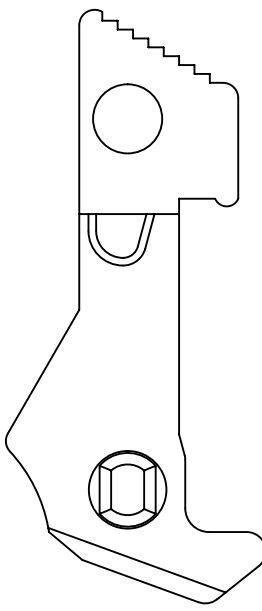
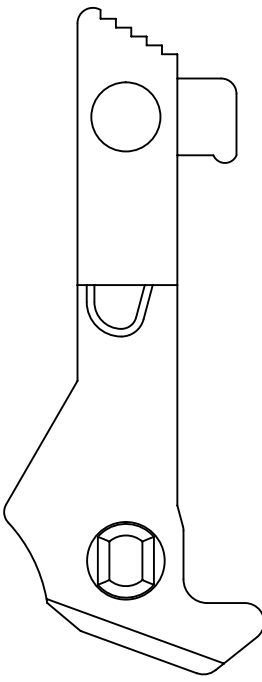
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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

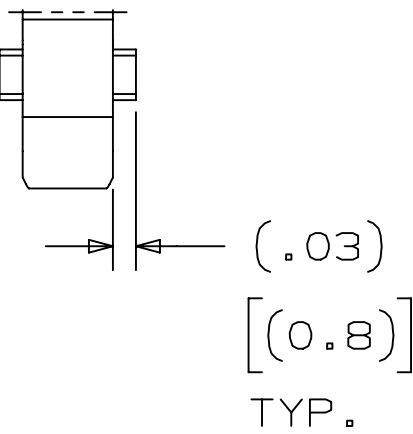


LONG

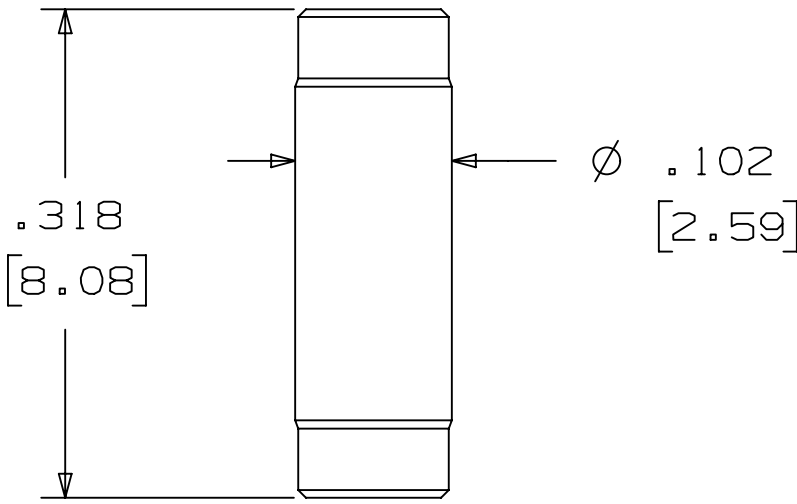
SHORT

SNAP-IN LATCHES

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



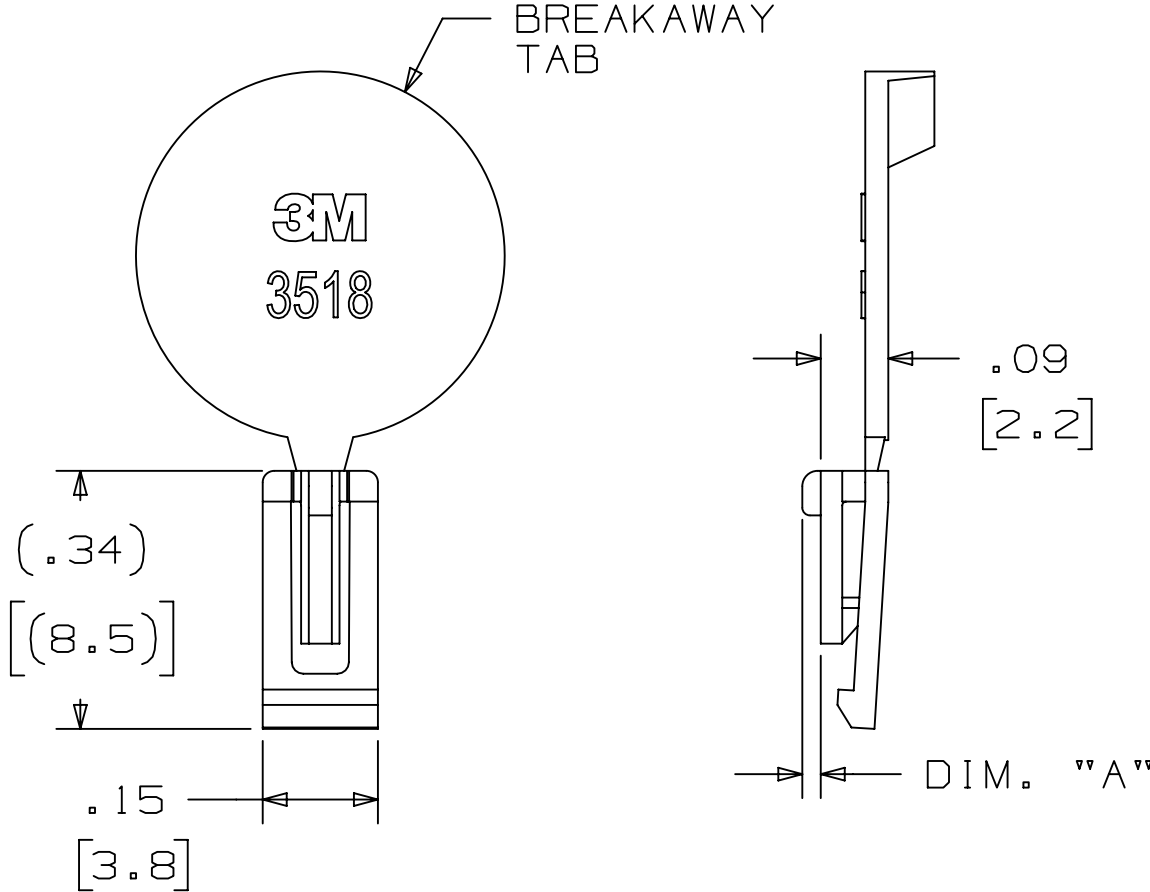
POLARIZING POST



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

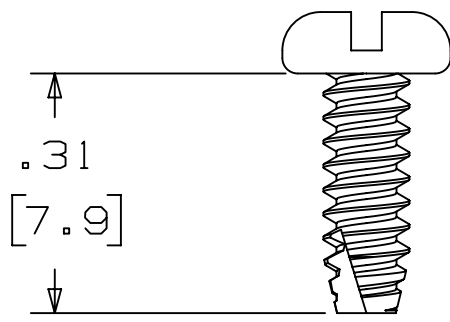
NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

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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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

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXXX	XXXXXX	DRFT	CASTIGLIONE	DATE JUL 25,2014	MFG	DATE
CHGD	CHGD	APPRV	R. SCHERER	DATE SEP 05,2014		
DIVISION Interconnect Solutions	DIVISION CODE EMSD	© 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.				
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES ±.1 ±.01 ±.005 ±.0002				
MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY	ANGLES	MILLIMETERS 0 ± 0 ± 0 ± 0 ±				
CAGE NUMBER D78-5100-0772-3		SIZE 3400		DRAWING NO. D78-5100-0772-3		REV. X

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

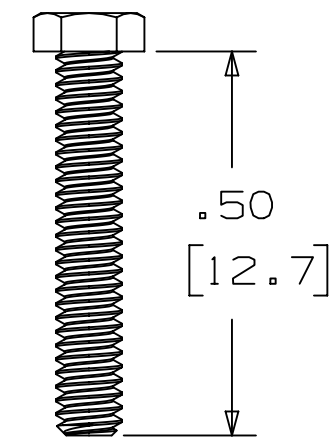
MOUNTING HARDWARE



3341-5

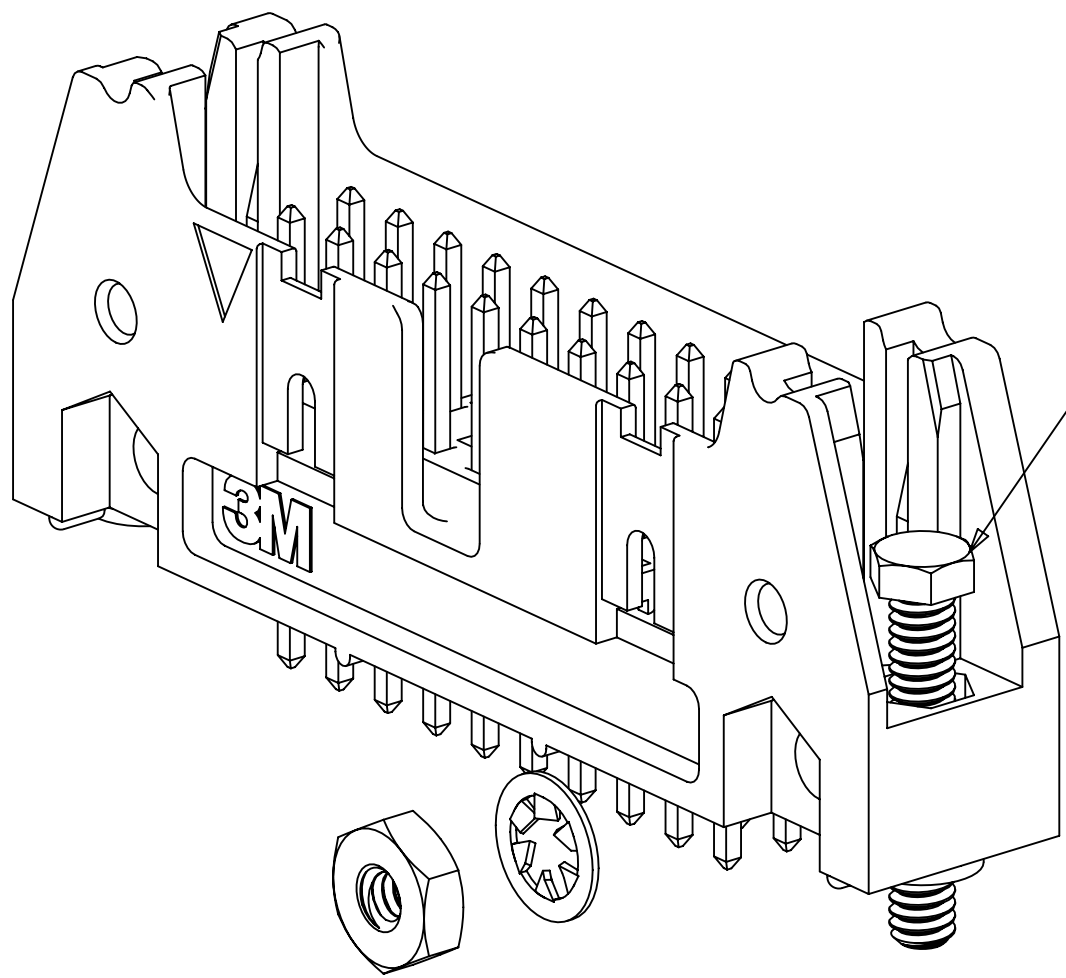
(INSTALL FROM BOTTOM OF BOARD)
SEE NOTE 4

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



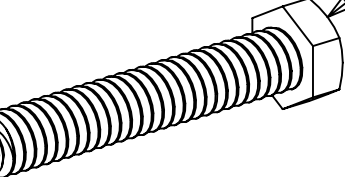
3341-6

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



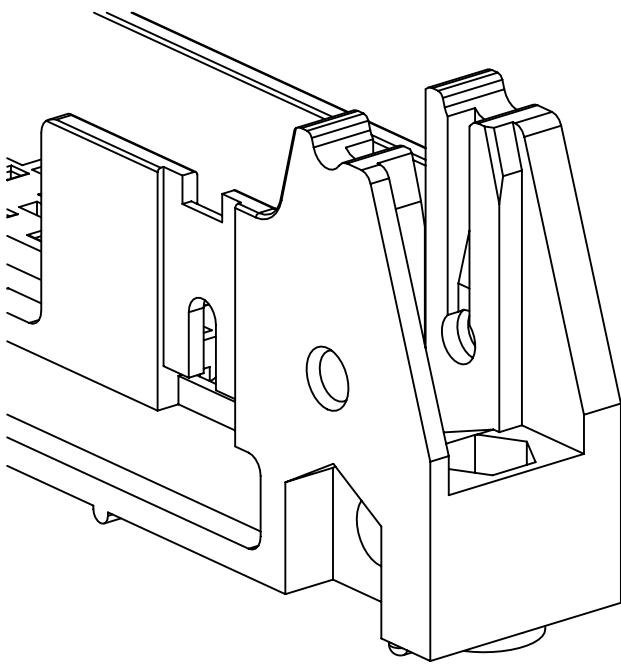
STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

RIGHT ANGLE VERSION INSTALL

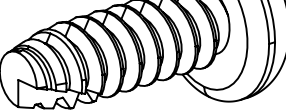


3341-6

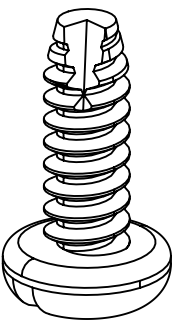
#2-56 NUT AND BOLT



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

3M™ FOUR-WALL HEADER, 3000 SERIES

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

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REVI	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DESIGN REFERENCE		NEXT ASSEMBLY	DATE	DATE
ACCESS CODES		DRFT CASTIGLIONE	DATE JUL 25,2014	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		
SCALE DRAWING		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .0 .00 ± .000 ±		
INTERPRET PER ASME Y14.5 - 2018		TITLE 4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA		
MAX SURFACE ROUGHNESS ALL SURFACES		CAGE NUMBER D78-5100-0772-3		REV. X
✓ MARKED ONLY		MODEL 3400		DET. LISTS YES NO SHT 5 OF 5