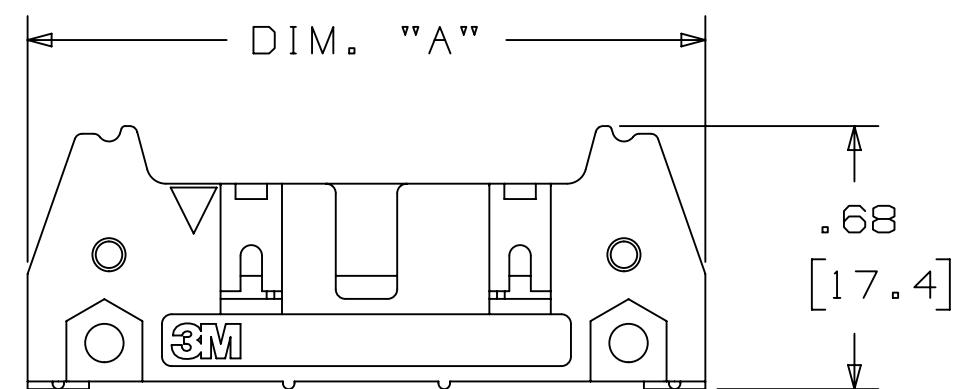
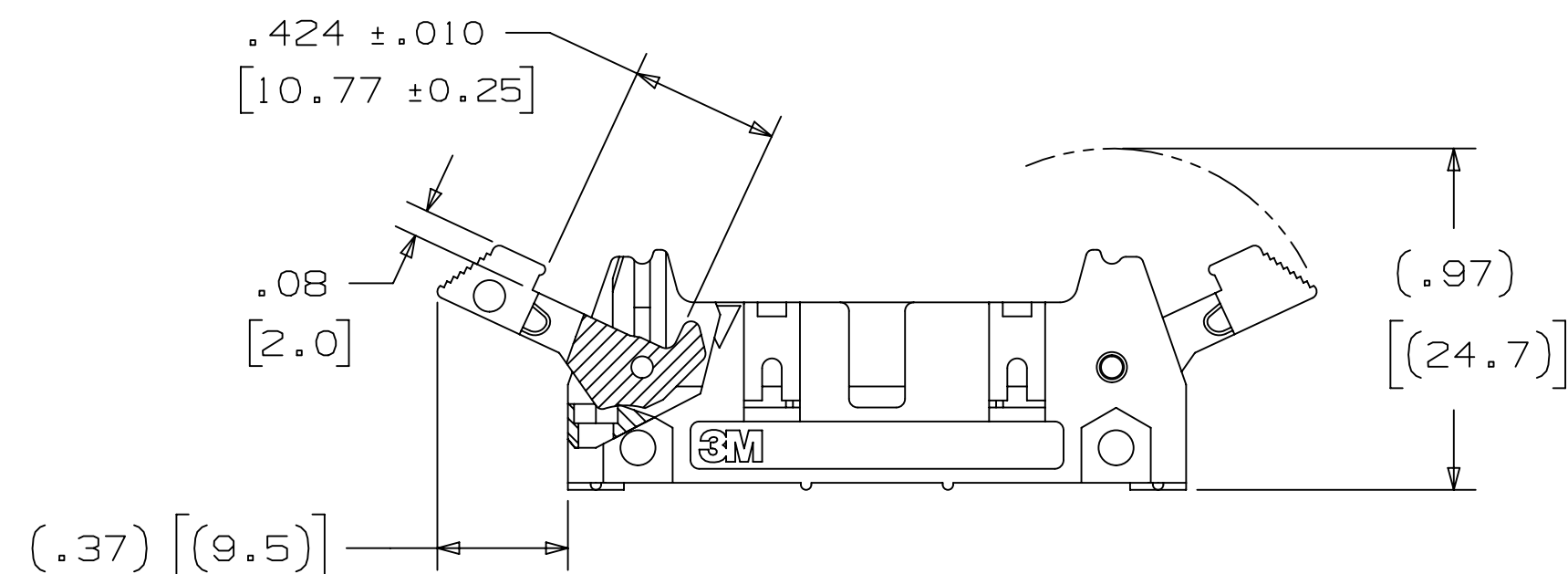


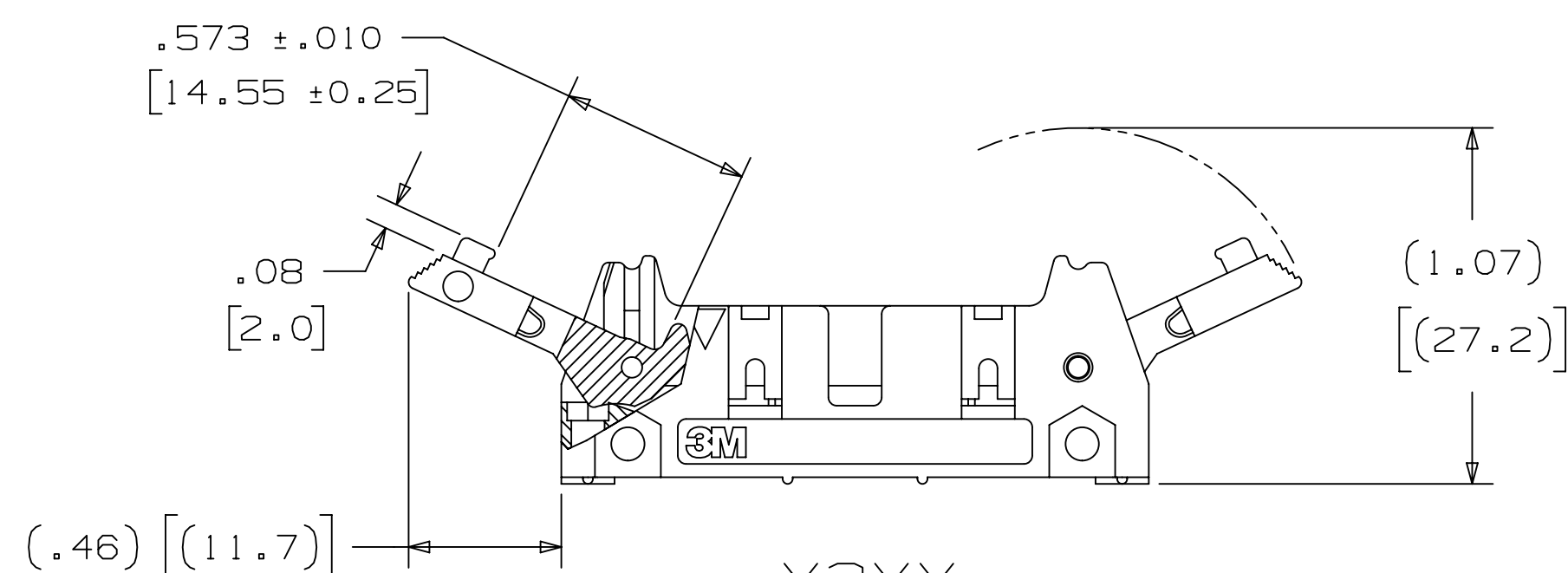
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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 CASTIGLIONE		JUL 25, 2014			
CHKD	DATE		MFG	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	178	5100-0772-3			X
MODEL	3400		DET. LISTS ☐ YES ☐ NO SHT 1 OF 3		

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

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

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

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

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

cULus
UL FILE NO: E68080

3M™ FOUR-WALL HEADER, 3000 SERIES

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

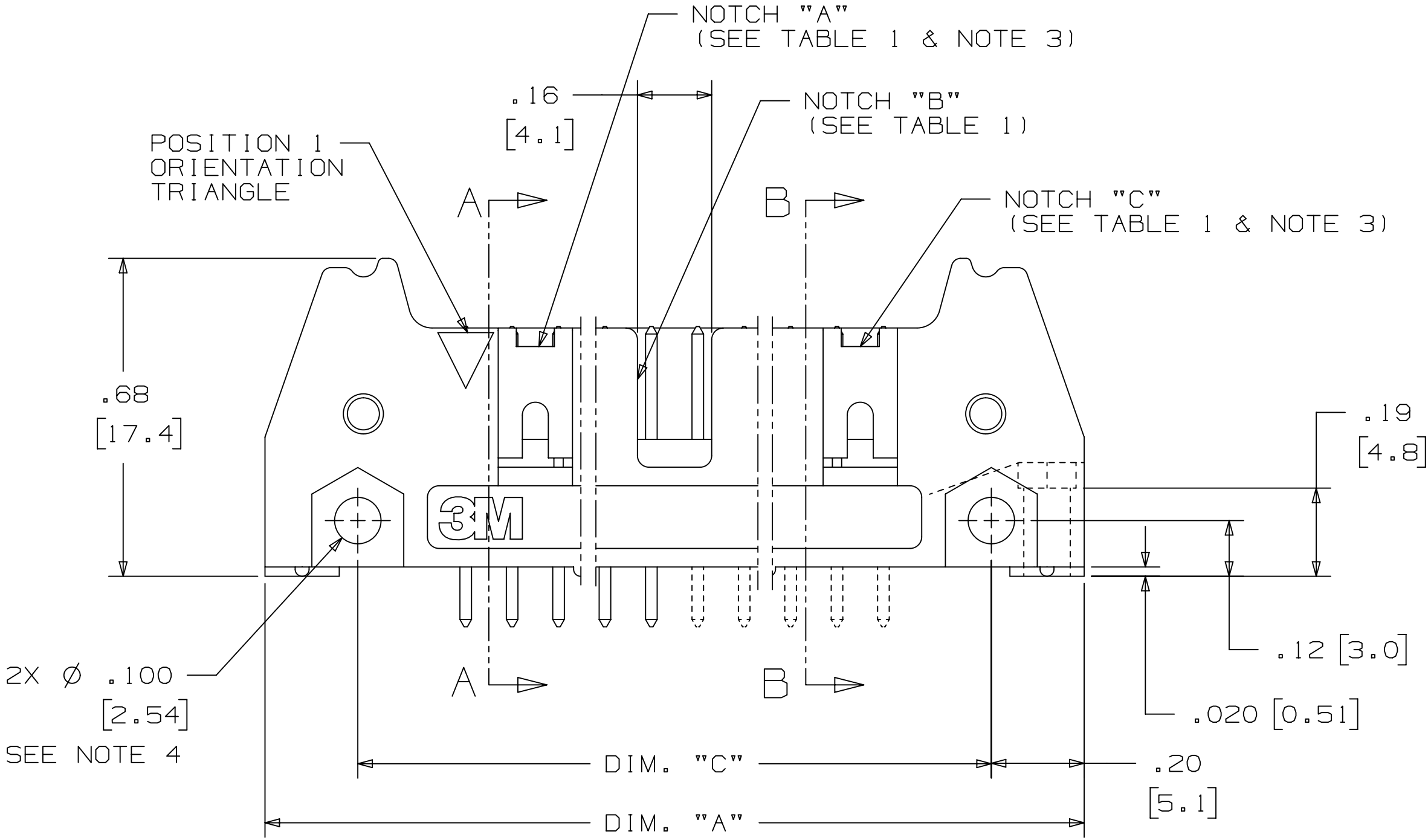
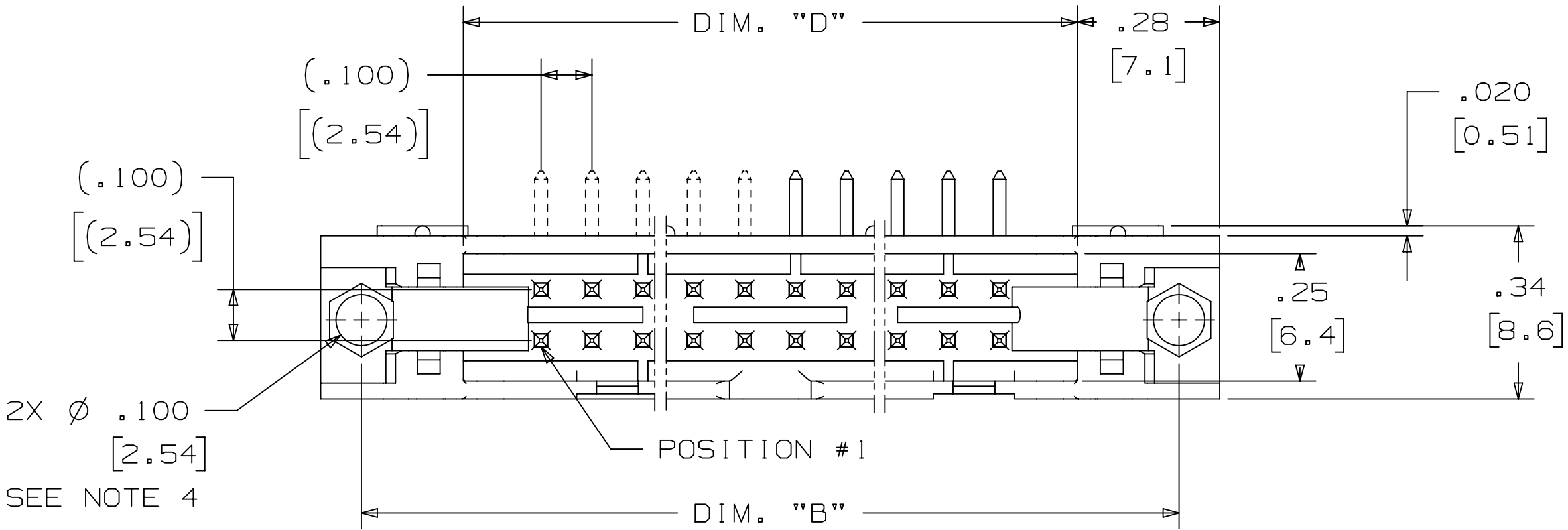
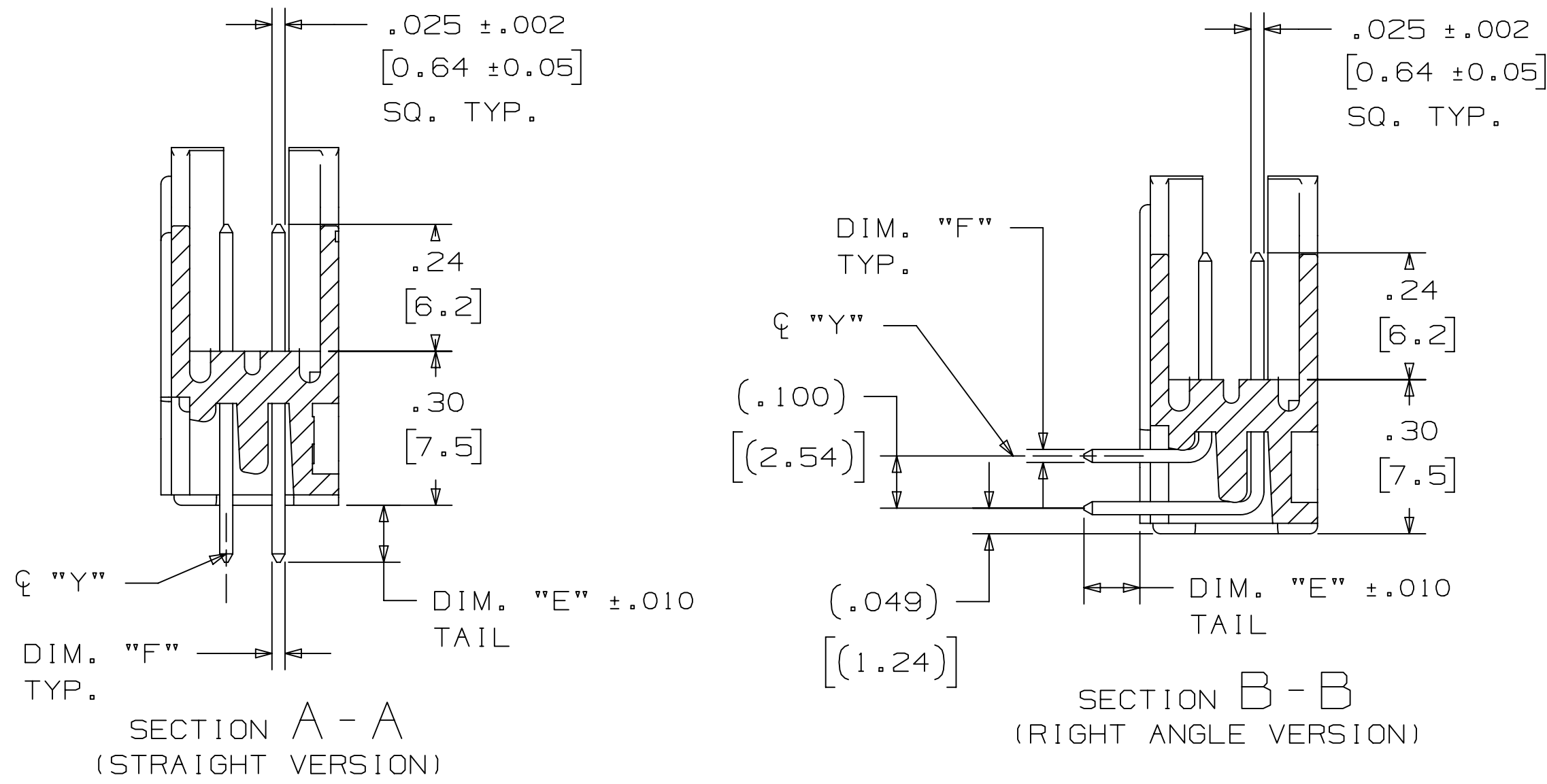


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314	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

TABLE 2						
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
V	97909	JUN 22,2021	JNC	SAN
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	DATE SEP 05,2014
			R. SCHERER	

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

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

DESIGN REFERENCE
NEXT ASSEMBLY
XREF CODES
DIVISION
Interconnect Solutions
DO NOT SCALE DRAWING
THIRD ANGLE PROJECTION
INTERPRET PER ASME Y14.5 - 2018
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 ±

3M
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.
D 78-5100-0772-3
REV.
X
MODEL
3400
DET
LISTS
YES
NO
SHT 2 OF 5

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

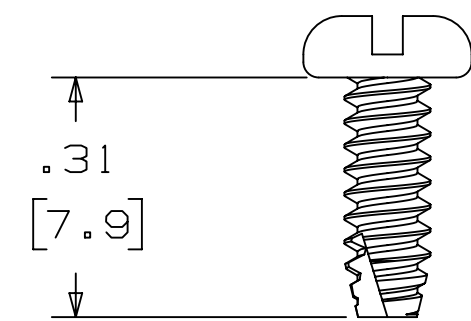


DESIGN REFERENCE			NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ASSEMBLY CODES					DRFT	CASTIGLIONE	JUL 25, 2014	APPR		DATE
					CHKD		DATE	APPR	R. SCHERER	DATE SEP 05, 2014
DIVISION			DIVISION CODE							
Interconnect Solutions			EMSD							
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		© 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.				
				INCHES		THIRD ANGLE PROJECTION				
				INTERPRET PER ASME Y14.5 - 2018		TITLE 4 - WALL HEADER, 100 X 100 LATCH/EJECT, STRAIGHT & RA				
MAX SURFACE ROUGHNESS				MILLIMETERS		CAGE NUMBER		SIZE	DRAWING NO.	REV.
ALL SURFACES ✓ MARKED ONLY				0 .01 .00 ± .01 .000 ± .005 .0000 ± .0002		D 578-5100-0772-3				X
				ANGLES		MODEL		3400	DET. LISTS	YES ☐ NO ☒ SHT 3 OF 5

3M™ FOUR-WALL HEADER, 3000 SERIES

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

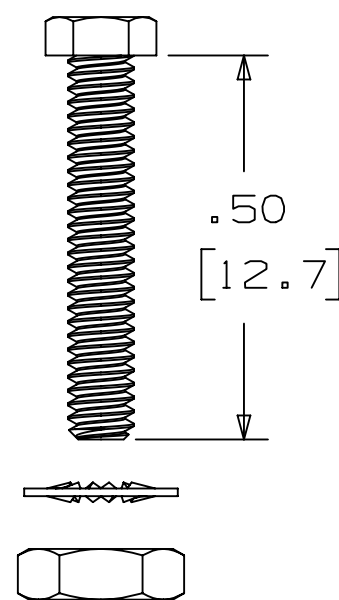
MOUNTING HARDWARE



3341-5

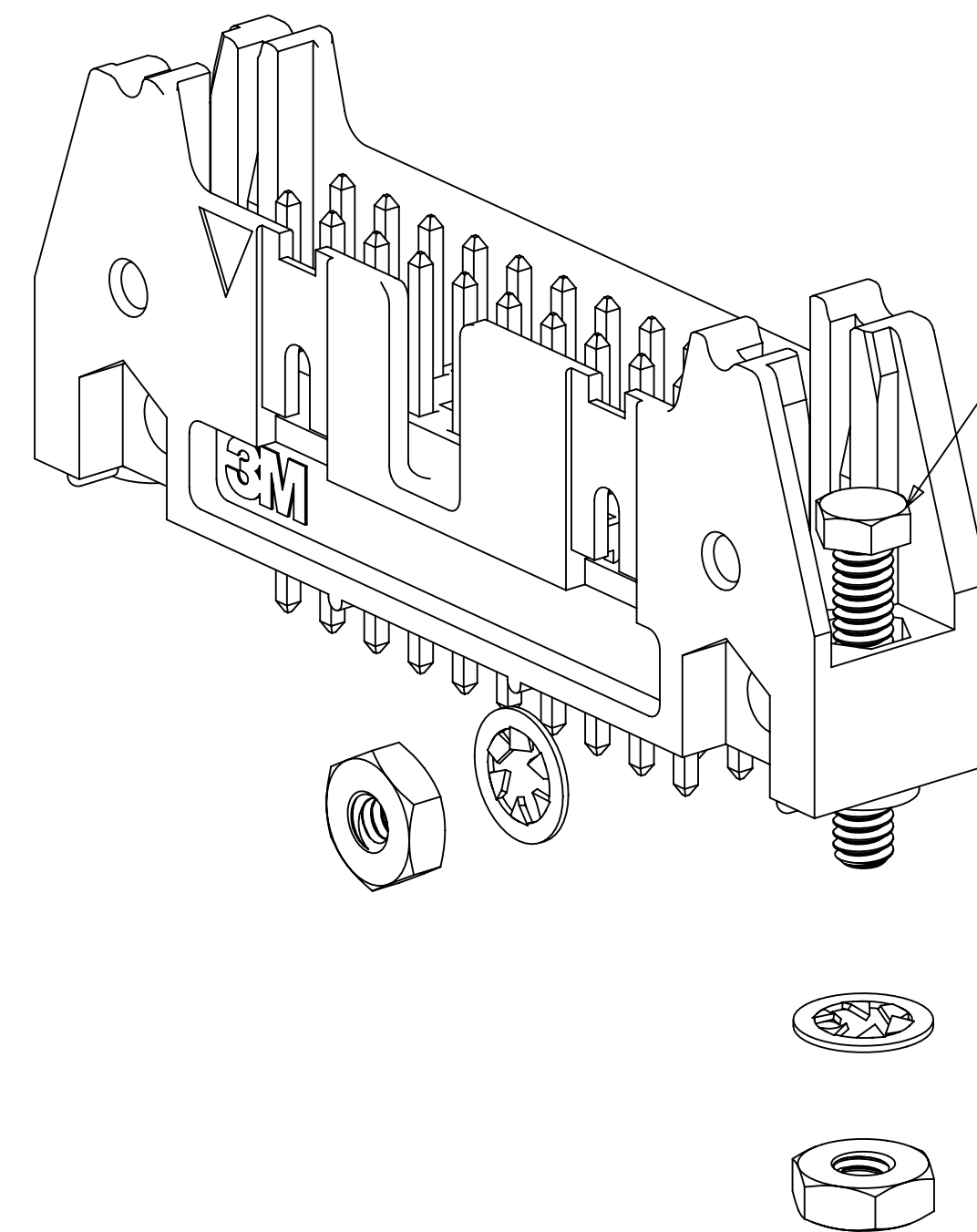
(INSTALL FROM BOTTOM OF BOARD)
SEE NOTE 4

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

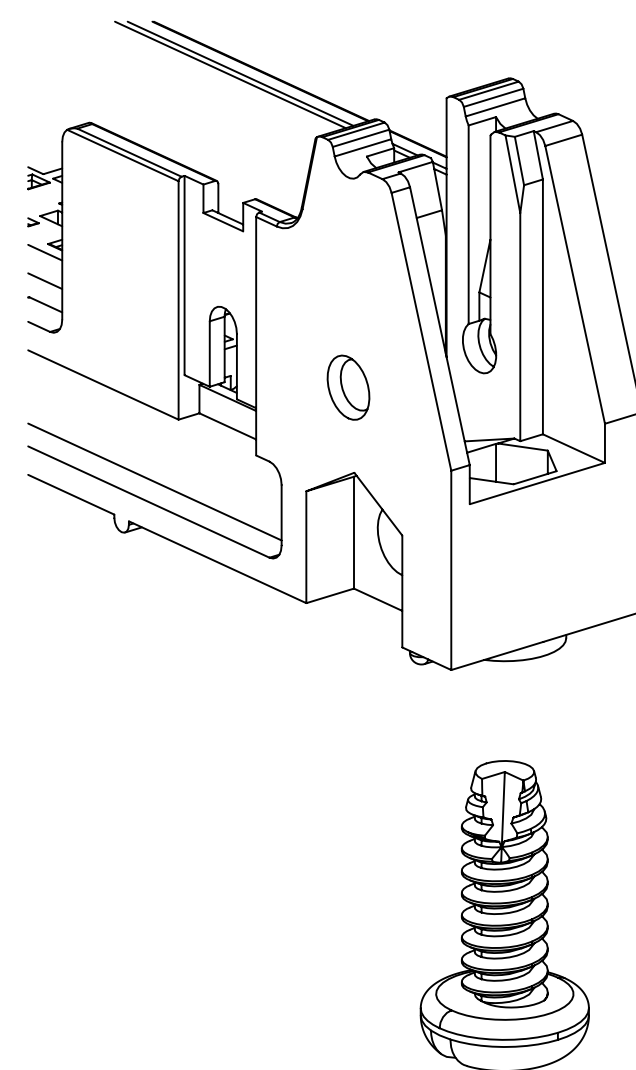


— STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

— RIGHT ANGLE VERSION INSTALL

3341-6

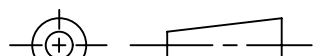
#2-56 NUT AND BOLT



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

3341-5

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 08,2015 REVISE ORDERING NUMBER	JNC	RS
R	56068	JUL 25,2014 REVISED AND REDRAWN	JNC	RS
REV	ECO	ISSUE DATE AND DESCRIPTION	JNC	CHKD
DRFT CAST	GLIGLONE	DATE JUL 25, 2014	APPR R SCHERER	DATE SEP 05, 2014

DESIGN REFERENCE			NEXT ASSEMBLY			REV		ECO		ISSUE DATE AND DESCRIPTION			DRFT		CHKD								
ACROSS CODES						DET		CAST		GLIONE			JUL 25, 2014		MFB								
													DATE			DATE							
						CHKD							APPR			DATE							
													R. SCHERER			SEP 05, 2014							
DIVISION						DIVISION CODE						© 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.											
Interconnect Solutions						EMSD																	
DO NOT SCALE DRAWING			SCALE			TOLERANCES EXCEPT AS NOTED						3M Center St. Paul, MN 55144											
						INCHES .00 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002						TITLE 4 - WALL HEADER, 100 X 100 LATCH/EJECT, STRAIGHT & RA											
THIRD ANGLE PROJECTION						MILLIMETERS 0 ± .00 ± .000 ± .000 ±																	
INTERPRET PER ASME Y14.5 - 2018												CAGE NUMBER D											
MAX SURFACE ROUGHNESS ✓ ☐ ALL SURFACES ☐ MARKED ONLY																							
						ANGLES ±						SIZE 100-0772-3			DRAWING NO. 78-5100-0772-3			REV. X					
						MODEL 3400						DET. 1			ISTS YES			YES ☐ NO ☐			SHT 4 OF 5		

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

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

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.

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement or repair of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by applicable law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: For industrial use only. Not intended, labeled or packaged for consumer sale or use.

3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect

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

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

X	115955	MAY 08,2024	JNC	FJR
W	112712	REMOVE 05 WWT TAIL 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
REVI	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ACCESS CODES		DATE JUL 25,2014	MRG	DATE
		CHKD	DATE	
			APPR. R. SCHERER	DATE SEP 05,2014
DESIGN REFERENCE		NEXT ASSEMBLY		
DIVISION Interconnect Solutions		DIVISION CODE EMSD		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES .0 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .0 .00 ± .000 ±		
MAX SURFACE ROUGHNESS ALL SURFACES ✓ MARKED ONLY		ANGLES ±		
		TITLE 4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA		
		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 the 3M written permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
		CAGE NUMBER		
		SIZE DRAWING NO.		
		REV.		
		D 78-5100-0772-3 X		
		MODEL		
		4400		
		DET. LISTS		
		YES ☒ NO ☐		
		SHT 5 OF 5		