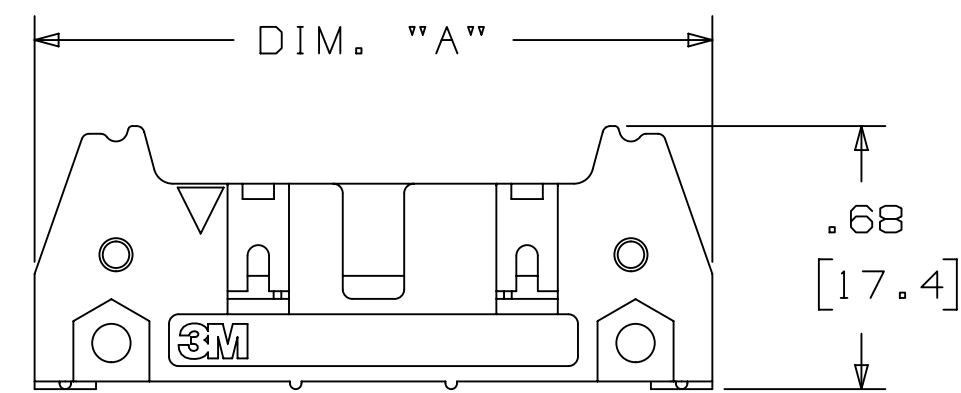
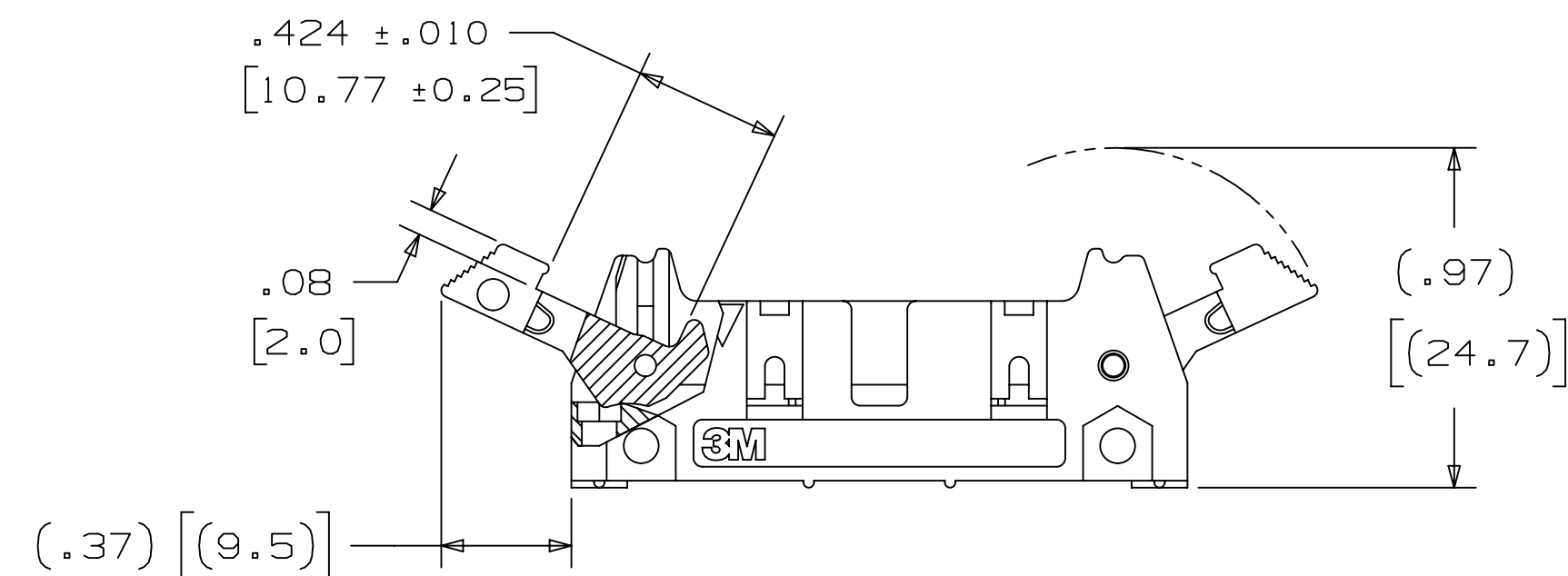


# 3M™ FOUR-WALL HEADER, 3000 SERIES

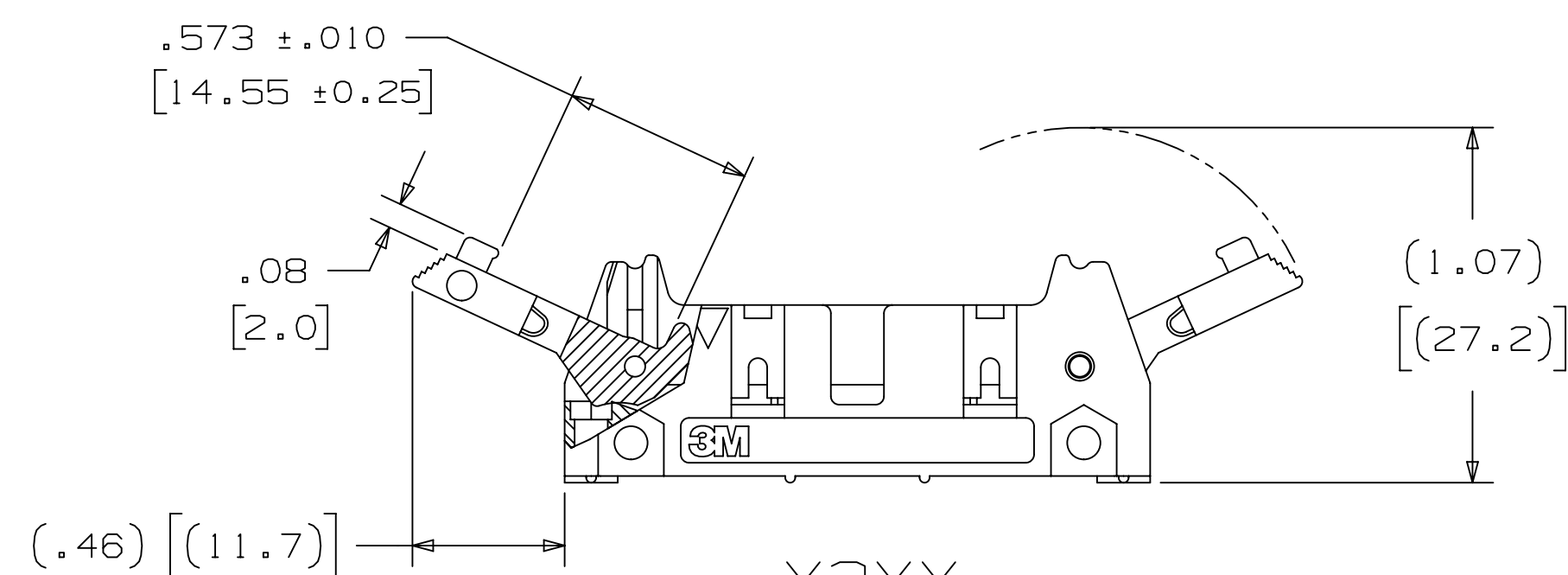
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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

## ORDERING INFORMATION

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 = 50µ" - 150µ" [1.27µm - 3.81µm] NICKEL-OVERALL  
10µ" [0.25µm] AVG. GOLD, 40-120µ" [1-3µm] MATTE TIN TAILS  
RB = 50µ" - 150µ" [1.27µm - 3.81µm] NICKEL-OVERALL  
30µ" [0.76µm] AVG. GOLD, 200µ" [5.08µm] MATTE TIN TAILS  
EB OR BLANK, WWT TAIL OPTION 05 ONLY =  
50µ" - 150µ" [1.27µm - 3.81µm] NICKEL-OVERALL  
30µ" [0.76µm] AVG. GOLD, FLASH GOLD TAIL

### TAIL:

02 = FOR .062 [1.57] THICK BOARD (N & D)  
03 = FOR .094 TO .125 [2.39 TO 3.18] THICK BOARD (N ONLY)  
05 = WWT FOR UP TO 3 LEVELS OF WIRE WRAP (N OR BLANK)

### 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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FOR TECHNICAL, SALES OR ORDERING  
INFORMATION CALL 800-225-5373

- \* 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, WIRE WRAP TAIL 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 X 10<sup>9</sup>Ω AT 500 V<sub>DC</sub>  
WITHSTANDING VOLTAGE: 1,000V<sub>RMS</sub> 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 ACCOMMODATE 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.

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

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
		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
		OKD		JUL 25, 2014 APPV: R. SCHERER		
		OKD		DATE: SEP 05, 2014		

DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED
	2	
	1	

THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS
		0 ± 2
		.0 ± .3
		.00 ± .13
		.000 ± .005

MAX SURFACE ROUGHNESS	ALL SURFACES	MARKED ONLY	ANGLES

TITLE	CAGE NUMBER	SIZE	DRAWING NO.	REV.
4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA	D		78-5100-0772-3	W

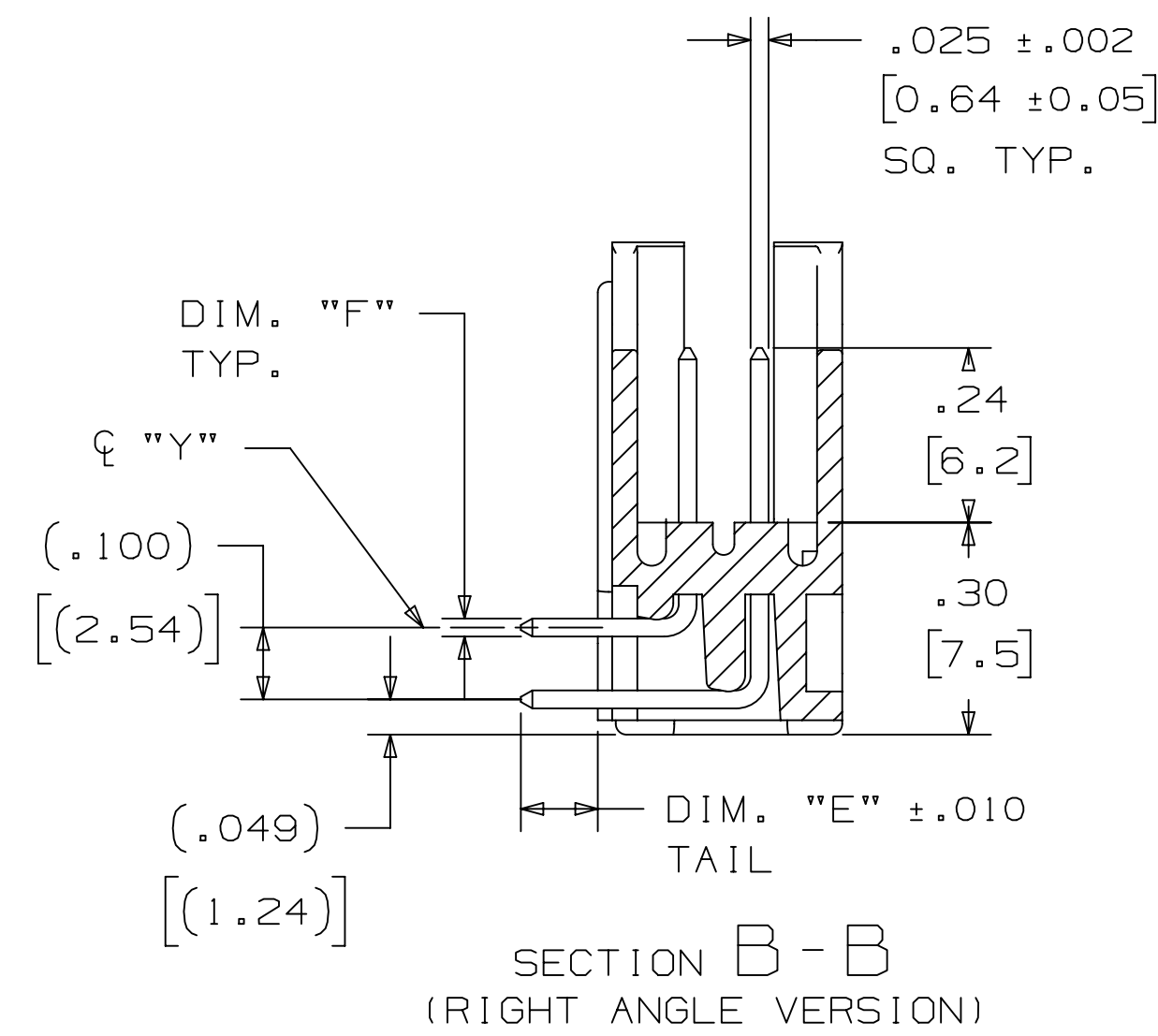
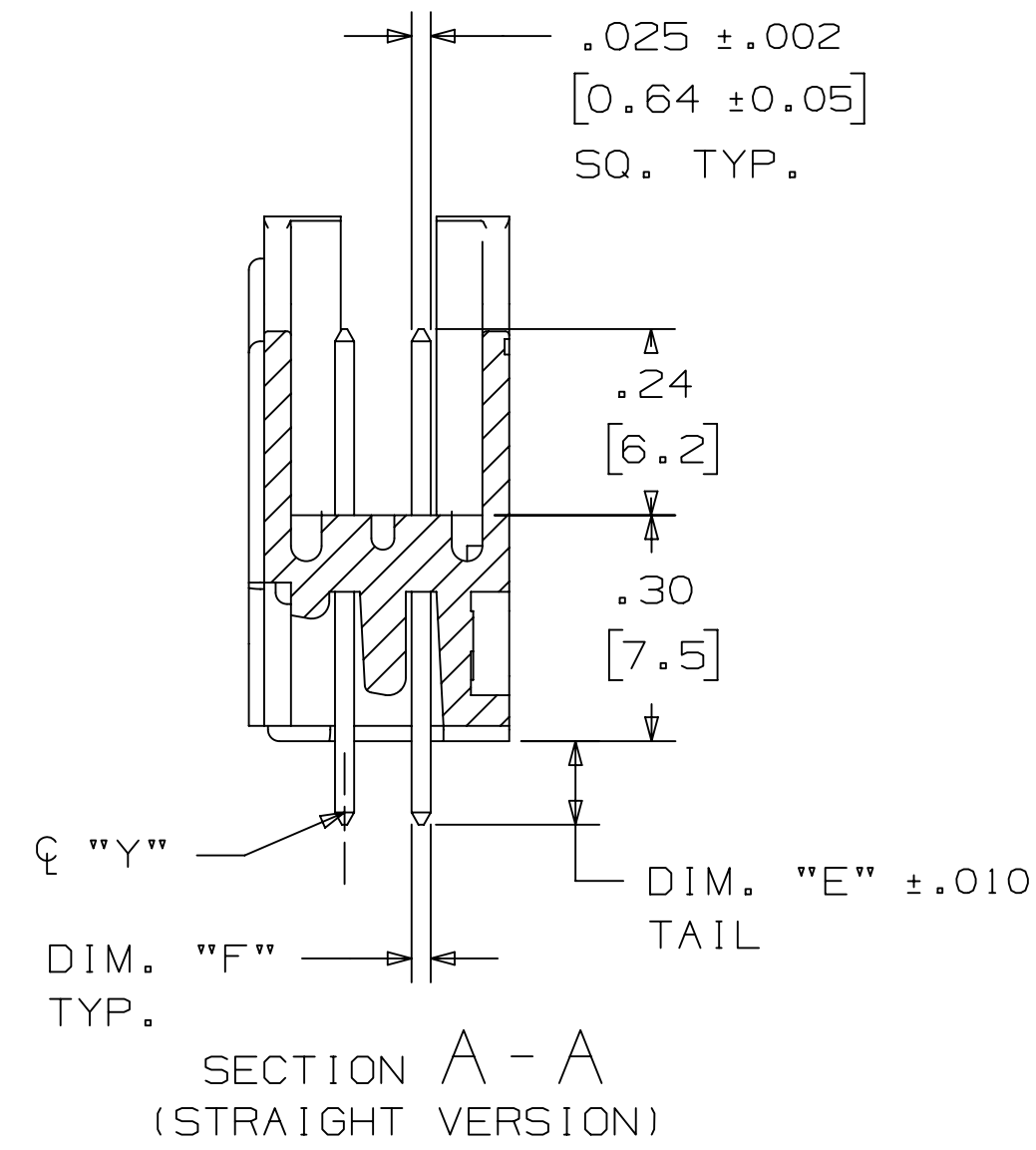
MODEL	DATE	REV	SHT	OF
3400			1	5

**CAUS**  
UL FILE NO: E68080

78-5100-0772-3  
DRAWING NUMBER

A

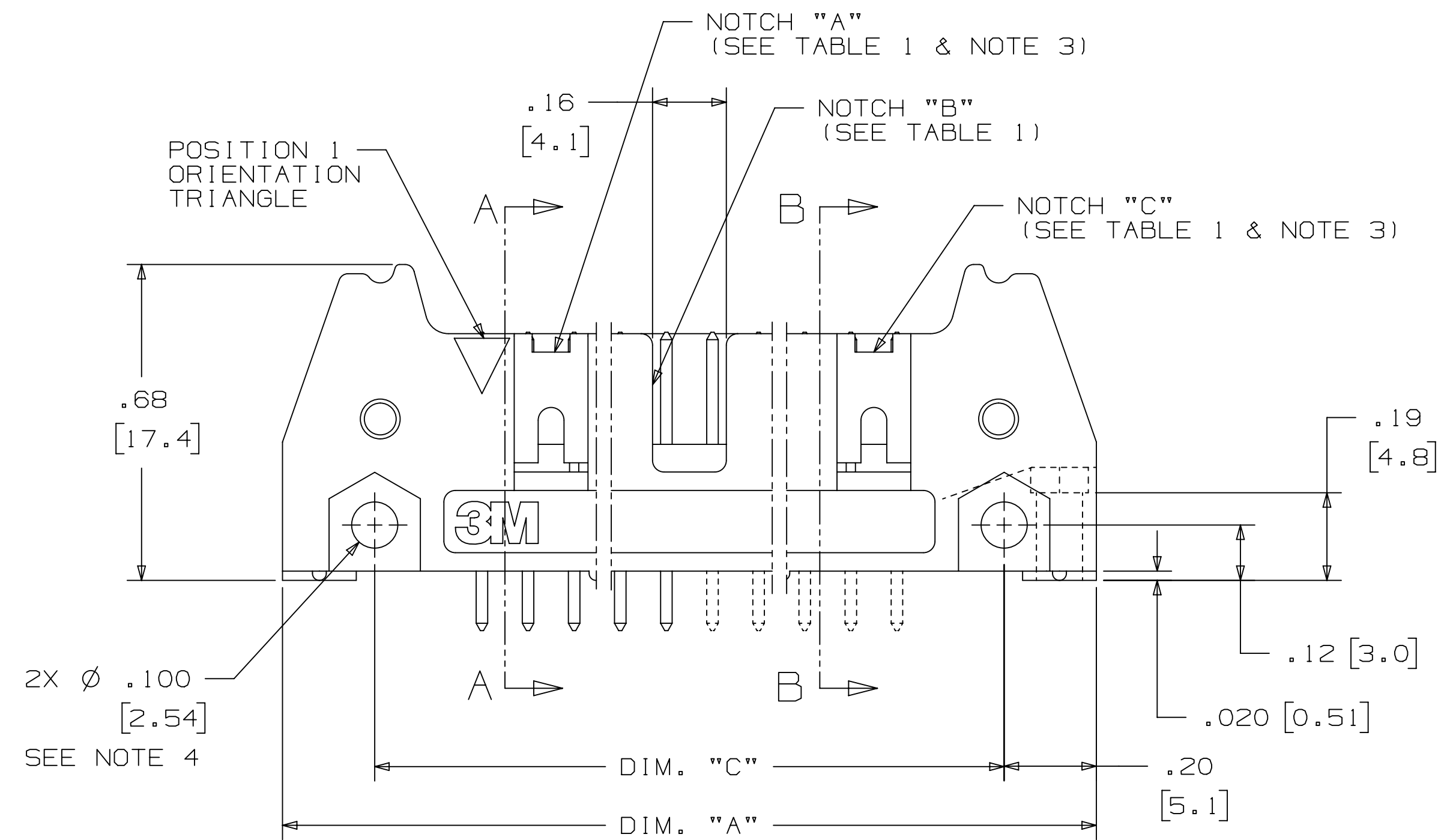
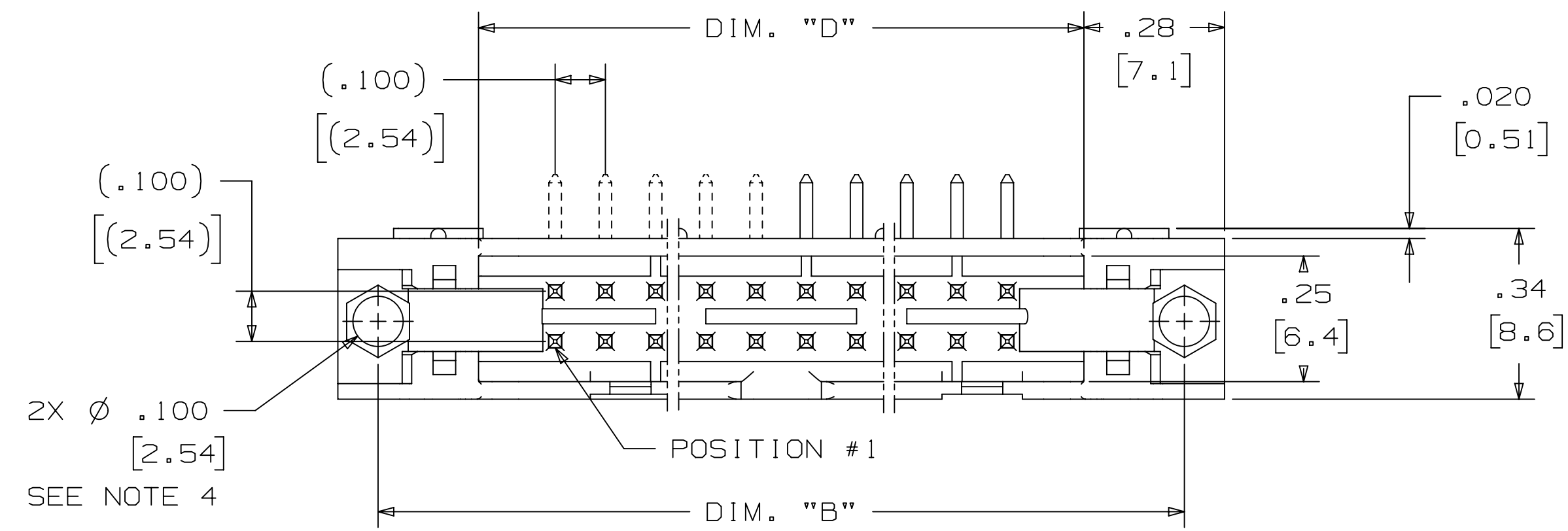
3M™ FOUR-WALL HEADER, 3000 SERIES  
 .100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



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

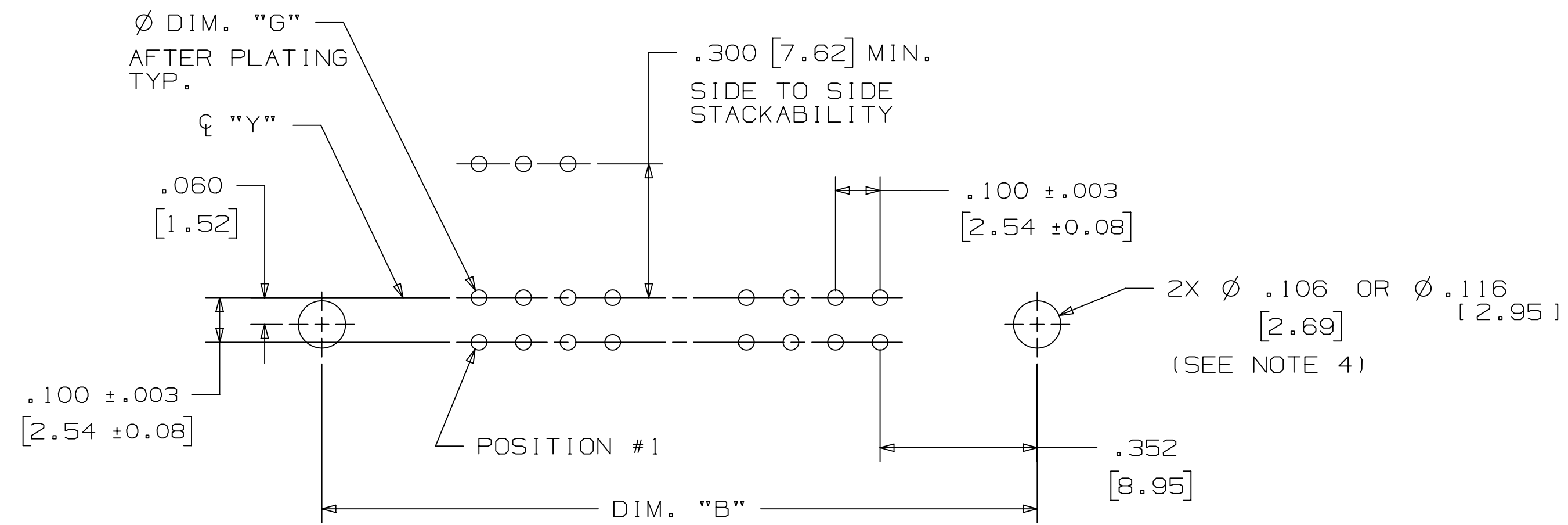
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"	PIN CROSS SECTION			DIM. "G"
			DIM. "F"	DIAGONALS	CORNER RADIUS	
-5XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	.0245+/- .0005 [ .622 ]	.028+/- .001 [ .71 ]	.0075 [ .191 ] REF.	.035+/- .003 [ .89 ] SEE NOTE 5
-6XX2						
-5X03	.094 [2.39] TO .125 [3.18] THICK PC BOARD	.155 [3.94]	.0245+/- .0005 [ .622 ]	.028+/- .001 [ .71 ]	.0075 [ .191 ] REF.	.035+/- .003 [ .89 ]
-6X03						
-5X05	WIRE WRAP TAIL FOR UP TO 3 LEVELS OF WIRE WRAP	.61 [15.5] REF.	.0250+/- .002 [ .635 ]	.035+/- .003 [ .89 ]	.003 [ .08 ] MAX.	.045+/- .003 [ 1.14 ]



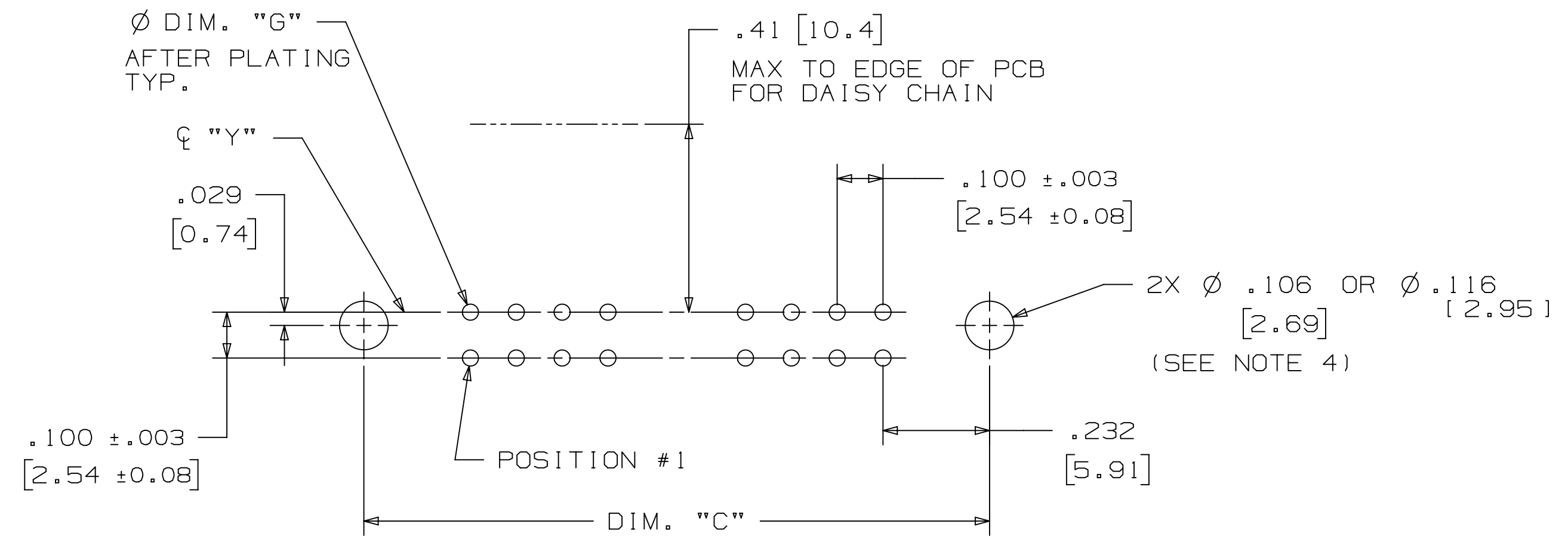
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
		W	112712	NOV 29, 2023 UL VOLTAGE WAS 125	JNC	FJR
		V	97909	JUN 22, 2021 REVISED ORDERING INFO	JNC	SAN
		U	93619	JAN 07, 2021 REMOVE TIN LEAD PLATING AND KINK TAILS	JNC	SAN
		T	62689	JUL 10, 2015 ADD 5X05 OPTION AND REVISE NOTES	JNC	SN
		S	60056	MAR 06, 2015 REVISE ORDERING NUMBER	JNC	RS
		R	56068	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
DRWING CODES		DRFT	CASTIGLIONE	DATE JUL 25, 2014	MFG	DATE
		CHKD		DATE	APPV	DATE
					R. SCHERER	SEP 05, 2014
DIVISION	Interconnect Solutions	DIVISION CODE	EMSD	© 3M COPYRIGHT 2023 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		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002		
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ±.2 .00 ±.13 .000 ±.005		
MAX SURFACE ROUGHNESS		MARKED ONLY		ANGLES 30° ±.5°		
TITLE 4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA		CAGE NUMBER D 78-5100-0772-3		DRAWING NO. 78-5100-0772-3		REV. W
MODEL 3400		DET 1/1/15		YES <input type="checkbox"/> NO <input type="checkbox"/>		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

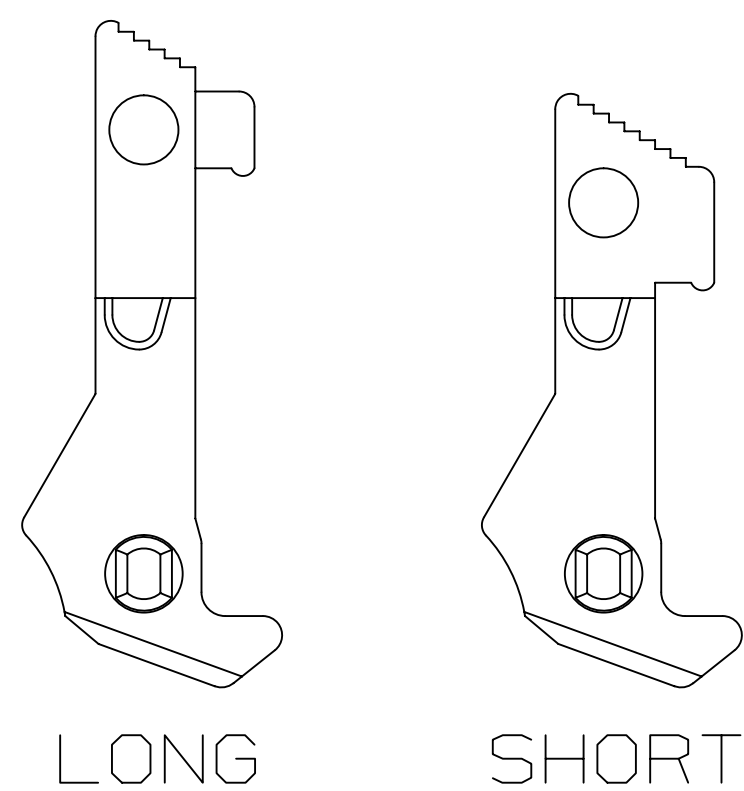
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

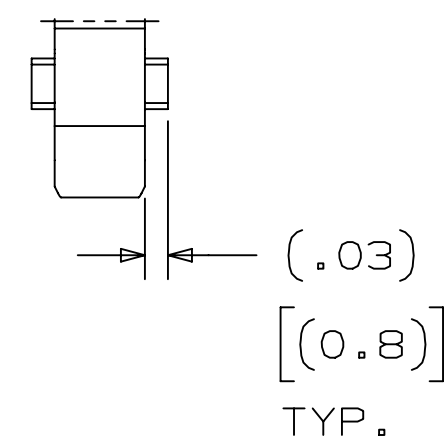
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK

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

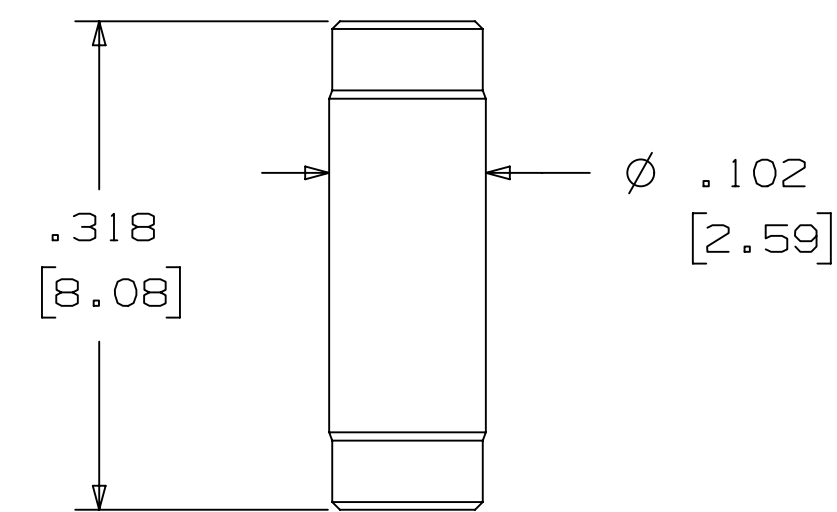


SNAP-IN LATCHES

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



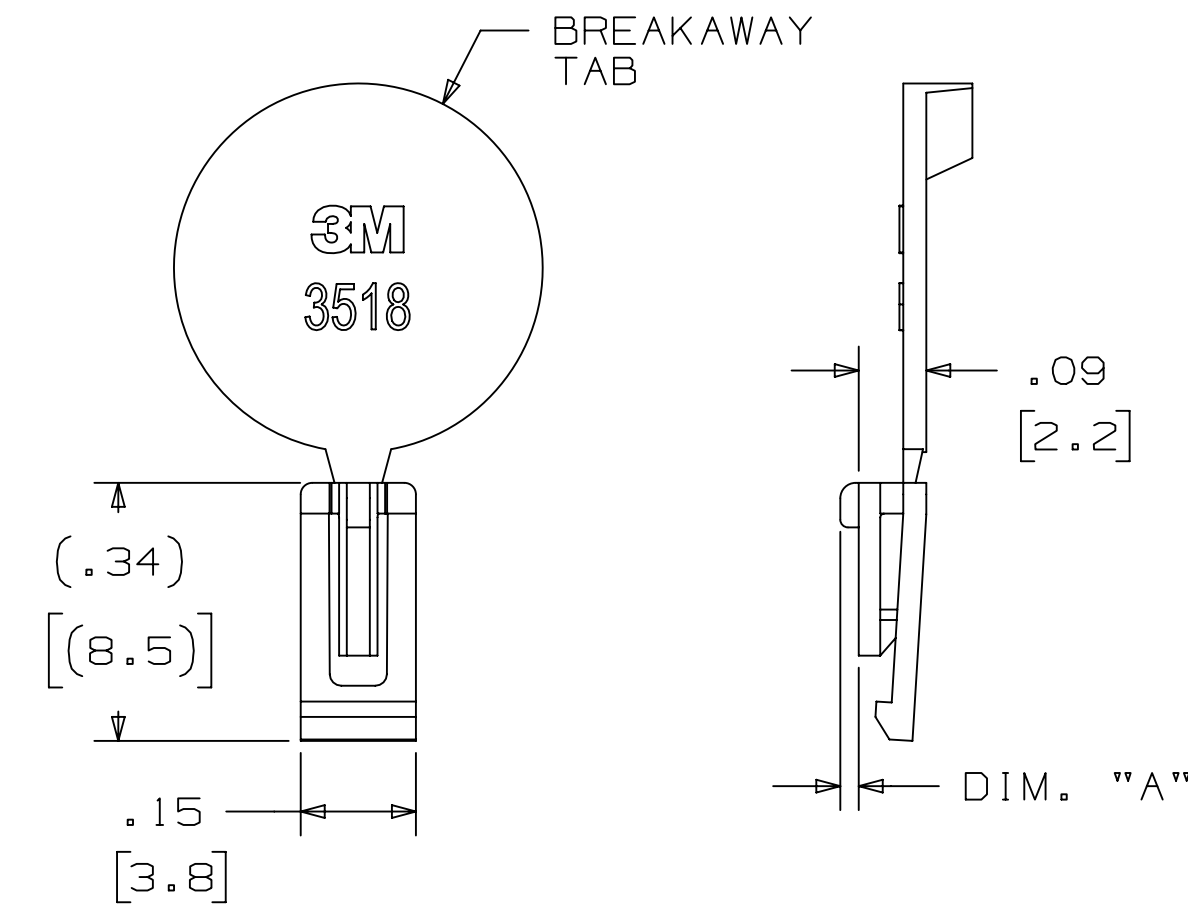
## POLARIZING POST



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.

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
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

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
		DRFT	CASTIGLIONE	DATE JUL 25, 2014	MFG	DATE
		CHKD		DATE	APPV	DATE
					R. SCHERER	SEP 05, 2014

DIVISION	Interconnect Solutions	DIVISION CODE	EMSD
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES .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	
<input checked="" type="checkbox"/> MARKED ONLY			

TITLE	CAGE NUMBER	SIZE	DRAWING NO.	REV.
4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA	D	78-5100-0772-3	W	

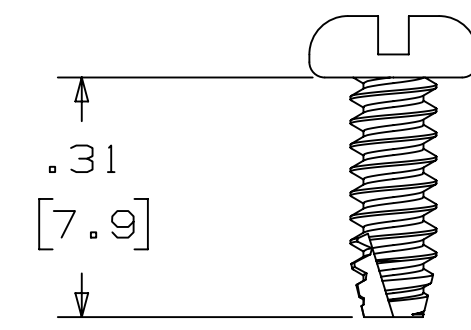
  

MODEL	3400	DET	YES	NO	SHT	3 OF 5

78-5100-0772-3 W REVISION DRAWING NUMBER

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

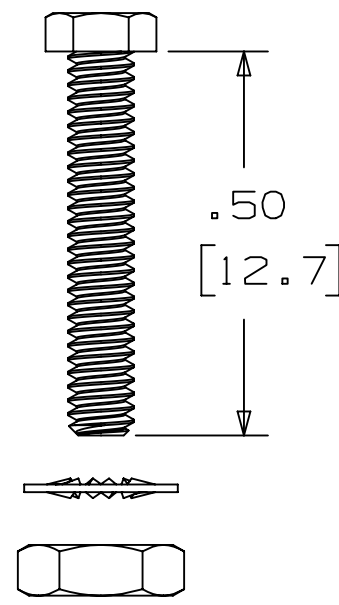
MOUNTING HARDWARE



3341-5

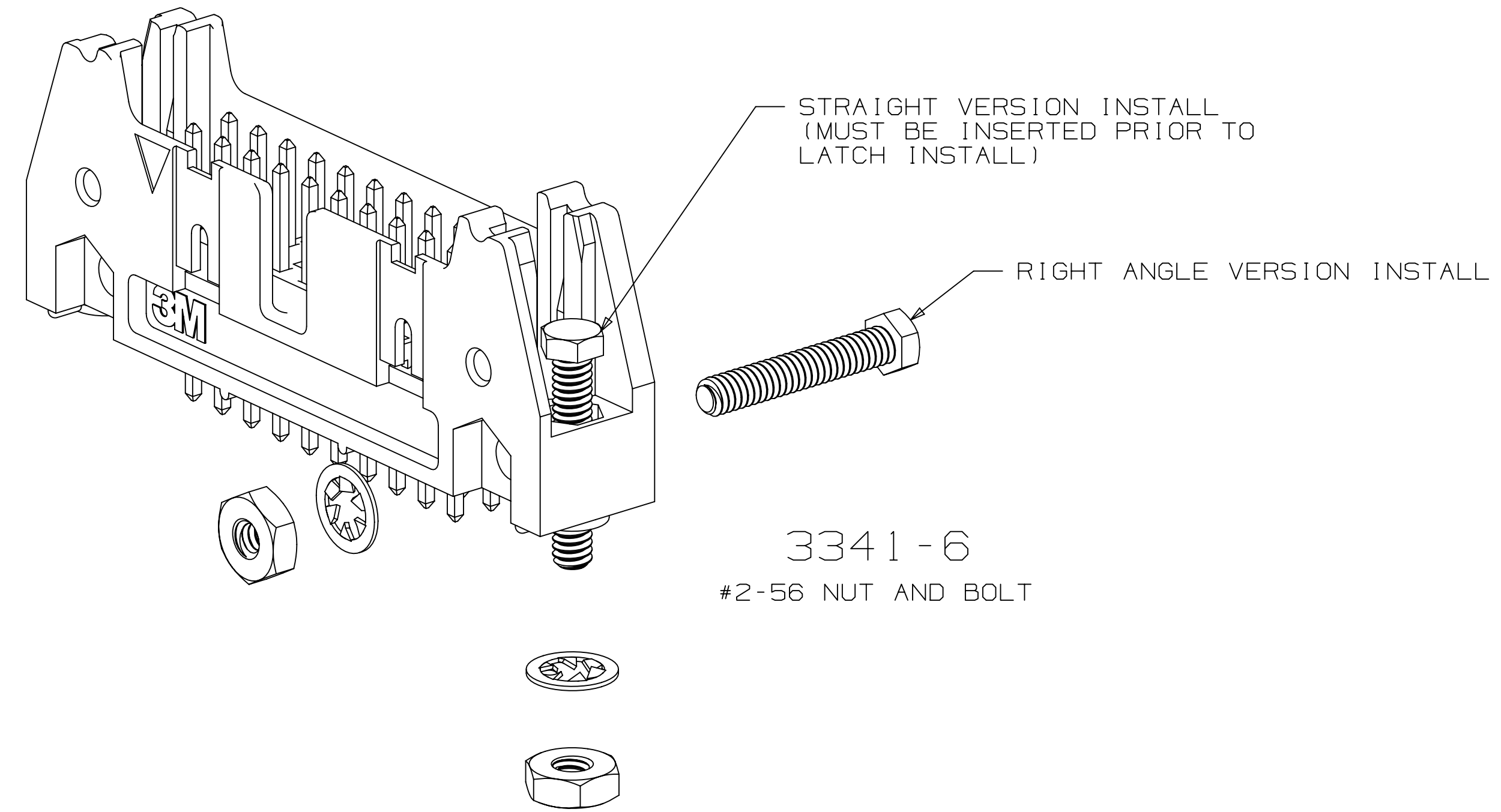
(INSTALL FROM BOTTOM OF BOARD)  
 SEE NOTE 4

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

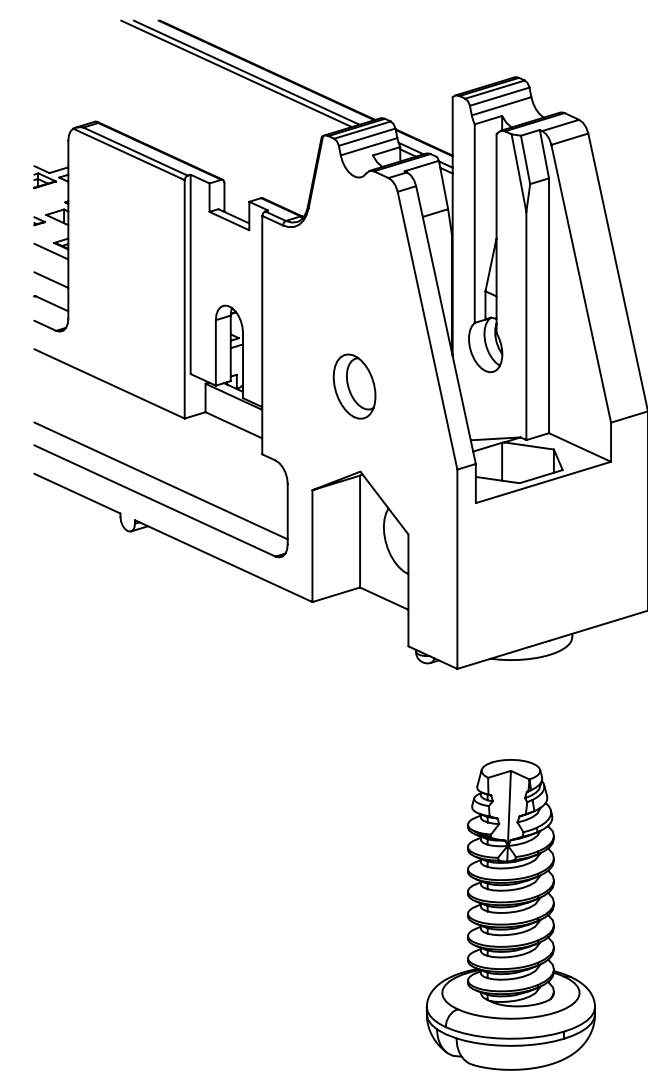


3341-6

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



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.

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD		
		DRFT	CASTIGLIONE	DATE	JUL 25, 2014	MFG	DATE	
		CHKD		DATE		APPR	DATE	05, 2014
						APPV	DATE	SEP 05, 2014

DIVISION	Interconnect Solutions	DIVISION CODE	EMSD
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES	0 ± .1 .00 ± .01 .0000 ± .0005 .0000 ± .0002
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS	0 ± 2 .0 ± .3 .00 ± .13 .000 ± .005
MAX SURFACE ROUGHNESS		MARKED ONLY	

TITLE	4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA		
CAGE NUMBER	SIZE	DRAWING NO.	REV.
D		78-5100-0772-3	W
MODEL	3400	DET	IS1S <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> SHT 4 OF 5

78-5100-0772-3  
DRAWING NUMBER

A

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](http://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  
[www.3M.com/interconnect](http://www.3M.com/interconnect)

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
W	112712	NOV 29, 2023 UL VOLTAGE WAS 125	JNC	FJR
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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
		DRFT	CASTIGLIONE	DATE	JUL 25, 2014	MFG
		CHKD		DATE		APPV
						R. SCHERER
						DATE
						SEP 05, 2014

DIVISION	Interconnect Solutions	DIVISION CODE	EMSD
DO NOT SCALE DRAWING	SCALE 4-1	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES	±.1 ±.01 ±.005 ±.0002
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS	0 ±.2 ±.00 ±.13 ±.000 ±.005
MAX SURFACE ROUGHNESS		MARKED ONLY	ANGLES

TITLE	4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA		
CAGE NUMBER	SIZE	DRAWING NO.	REV.
D		78-5100-0772-3	W
MODEL	3400	DET	IS1s <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHT 5 OF 5

78-5100-0772-3  
DRAWING NUMBER

A