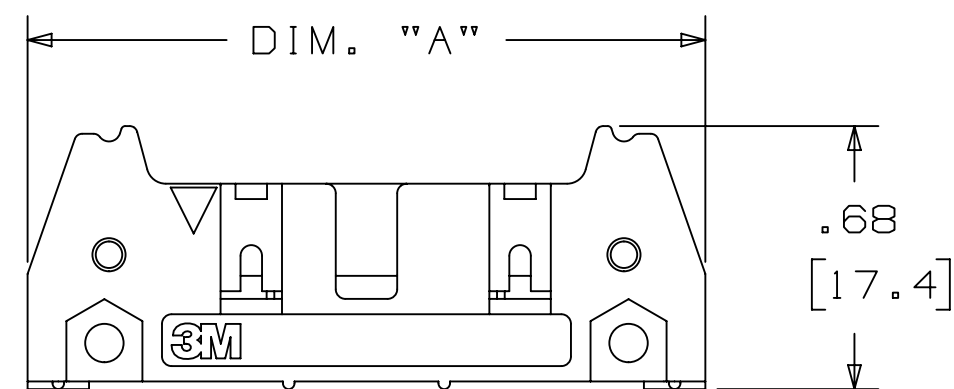
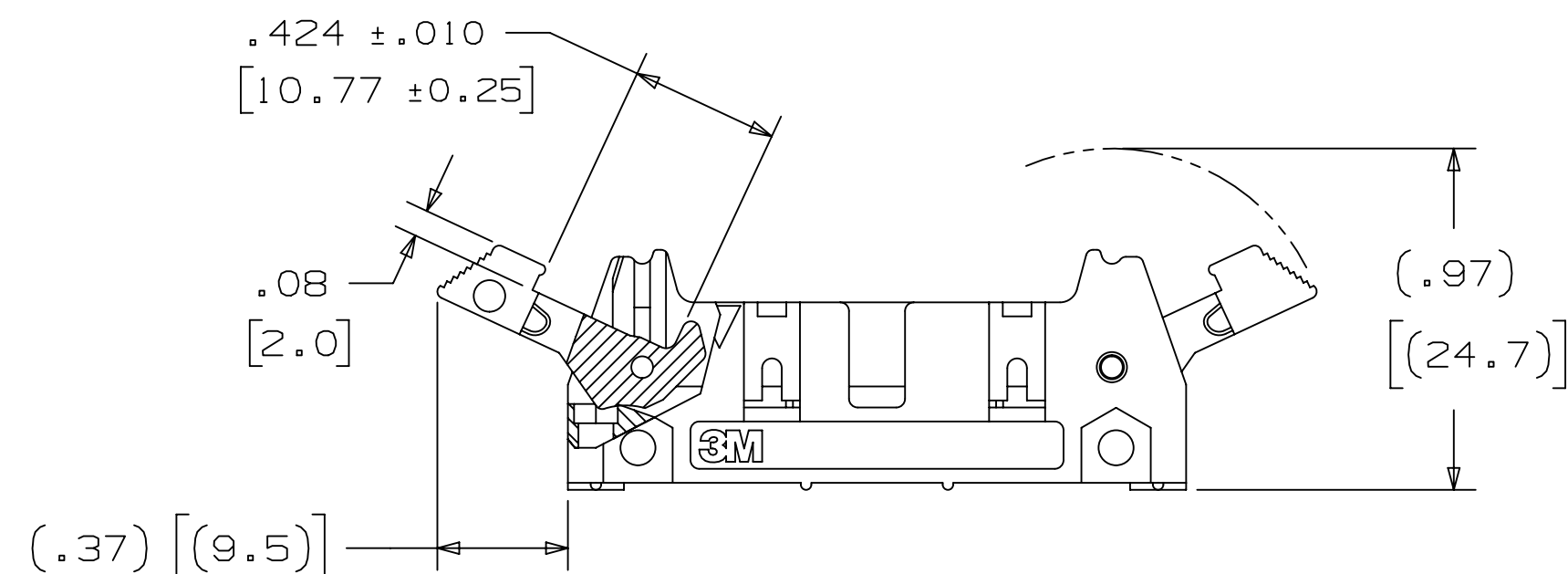


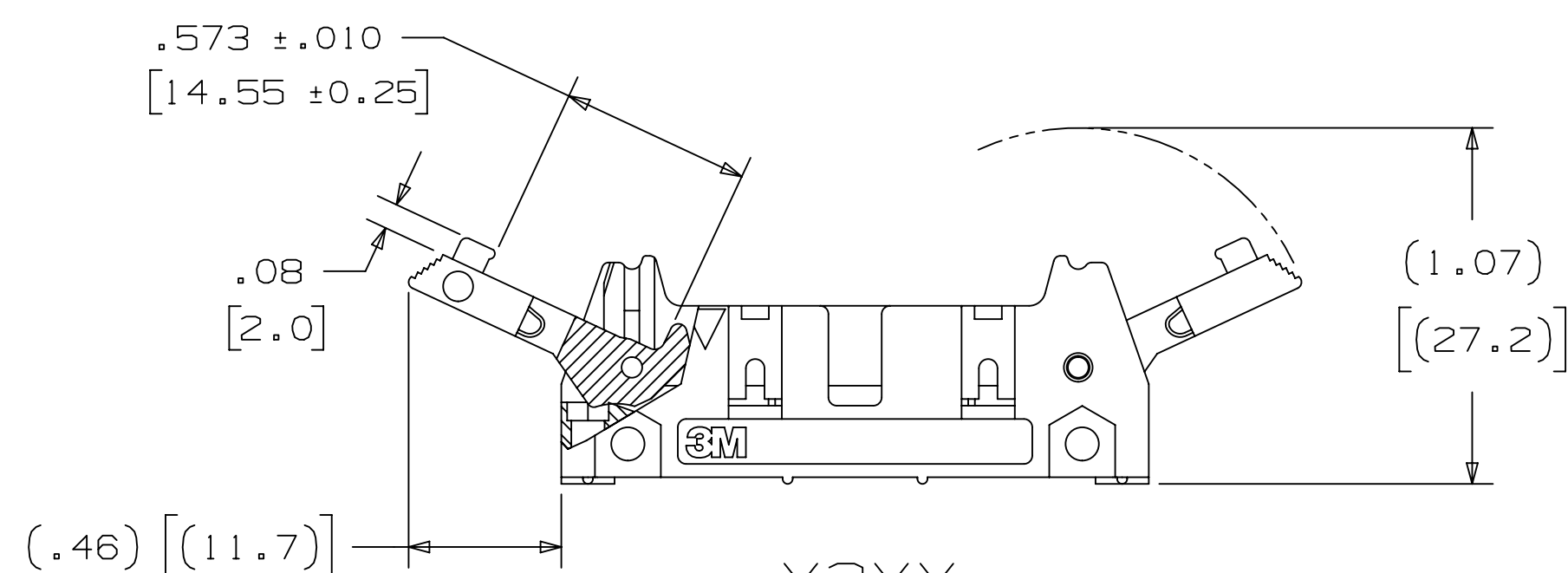
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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.

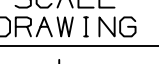
X	115955	MAY 08,2024 REMOVE 05 WWT TAIL	JNC	FJR
W	112712	NOV 29,2023 UL VOLTAGE WAS 125	JNC	FJR
V	97909	JUN 22,2021 REVISED ORDERING INFO	JNC	SAN
U	93619	JAN 07,2021 REMOVE TIN LEAD PLATING AND KINK TAILS	JNC	SAN
T	62689	JUL 10,2015 ADD 5X05 OPTION AND REVISE NOTES	JNC	SN
S	60056	MAR 06,2015 REVISE ORDERING 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	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	178	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

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

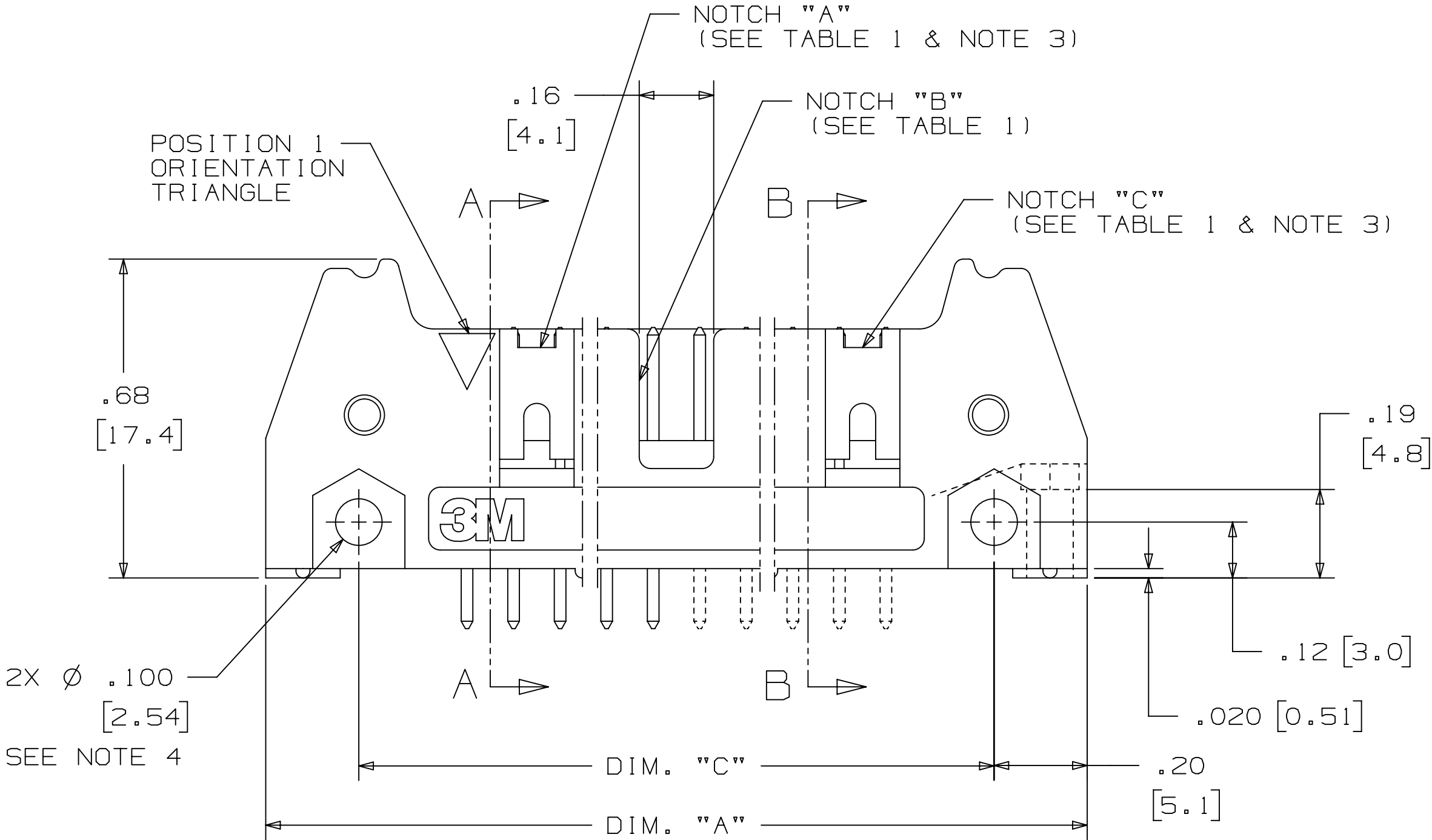
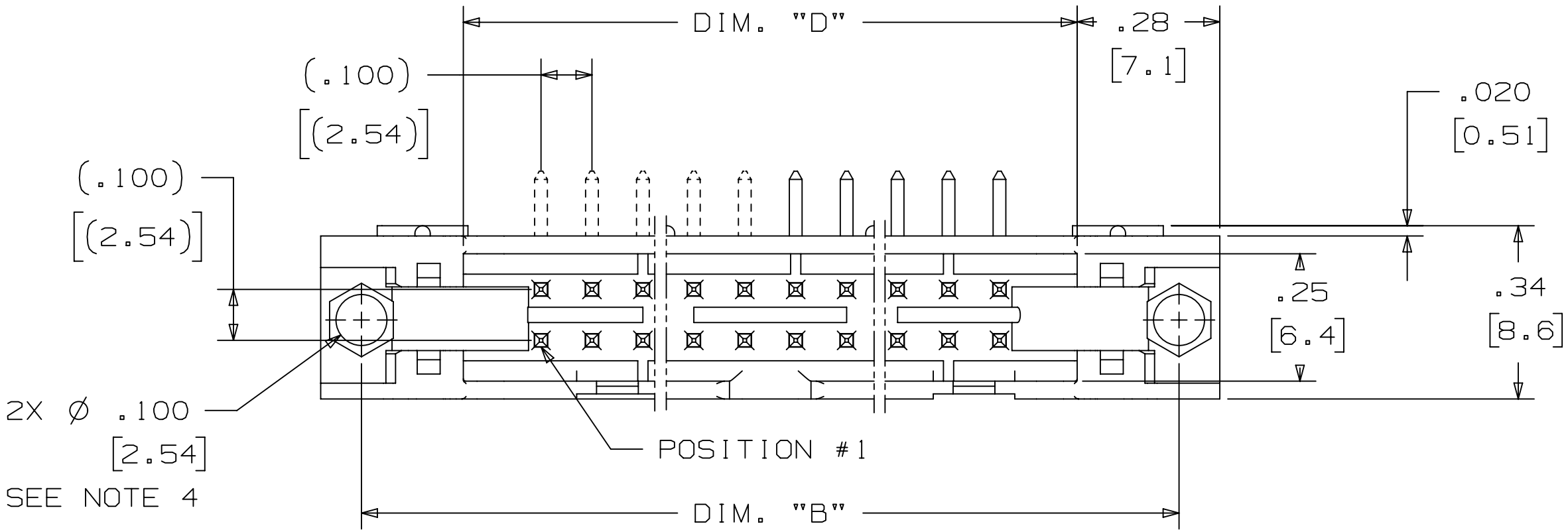
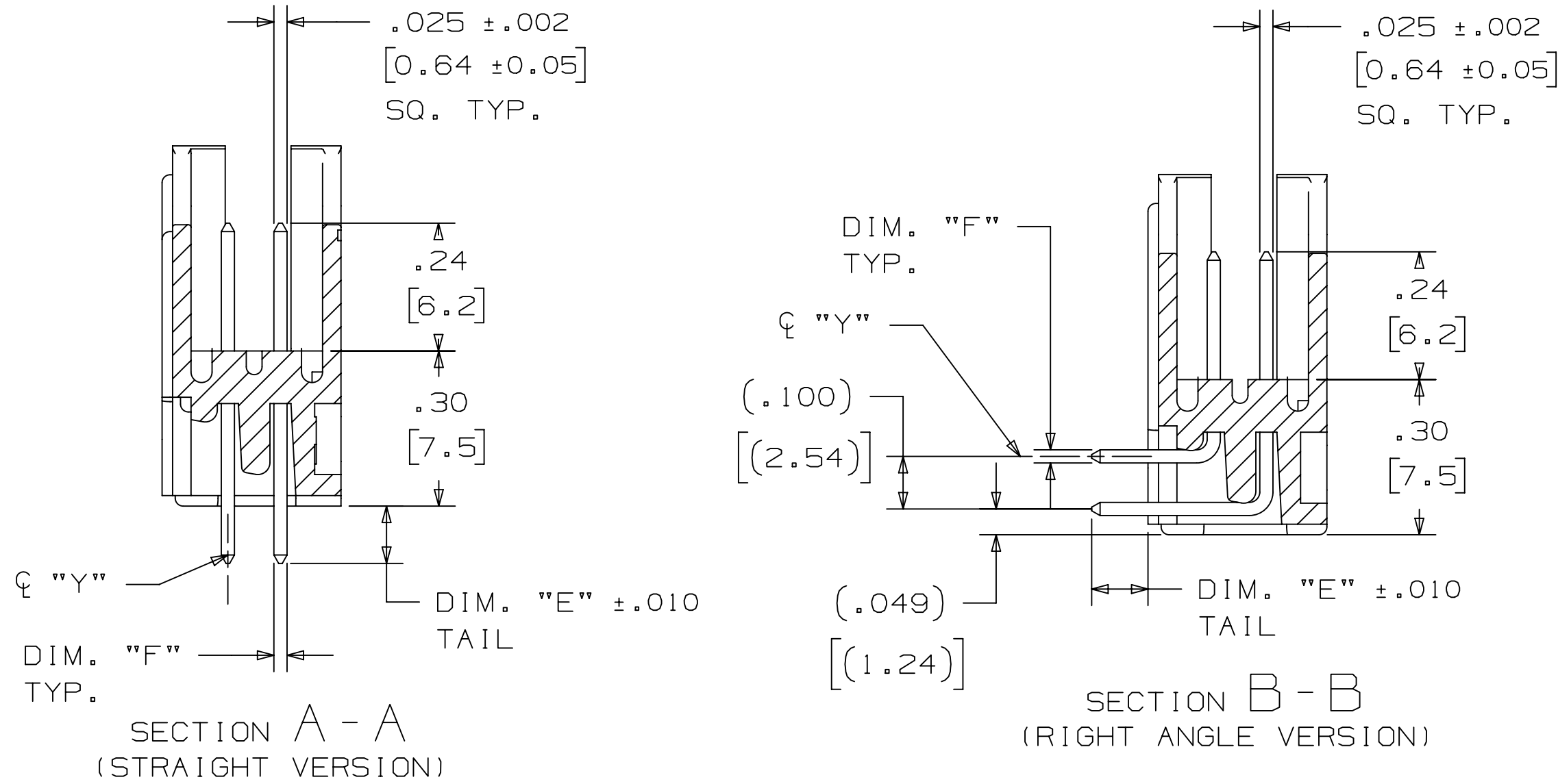


TABLE 1							
PIN QTY.	3M PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	POLARIZING NOTCHES	PIN QTY.
06	3869	1.06 [27.0]	.905 [22.99]	.665 [16.89]	.51 [12.9]	B*	06
08	3889	1.16 [29.5]	1.005 [25.53]	.765 [19.43]	.61 [15.5]	B*	08
10	3793	1.26 [32.1]	1.105 [28.04]	.865 [21.97]	.71 [18.0]	BC	10
14	3314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

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	CSTIGLIONE	DATE JUL 25,2014	MFG	DATE
CHKD		DATE	APPRV	DATE SEP 05,2014
			R. SCHERER	

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DESIGN REFERENCE

NEXT ASSEMBLY

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

CAGE NUMBER
D78-5100-0772-3

SIZE
11

DRAWING NO.
78-5100-0772-3

REV.
X

MODEL
3400

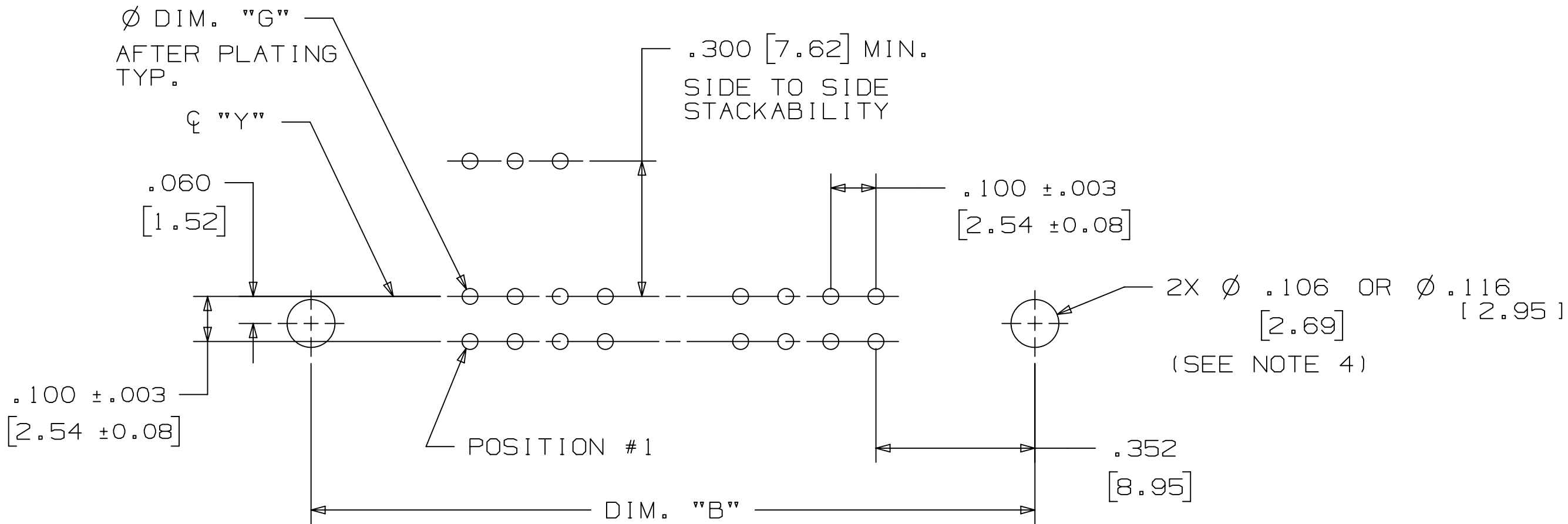
DET
LISTS

YES

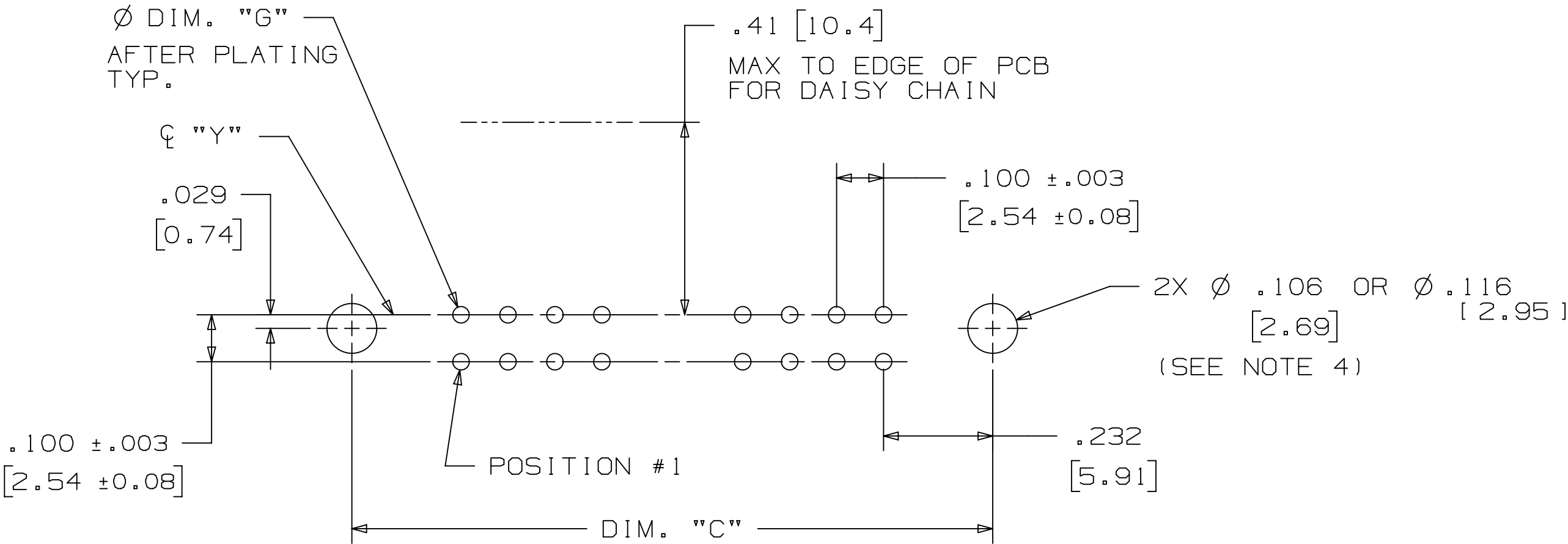
NO

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

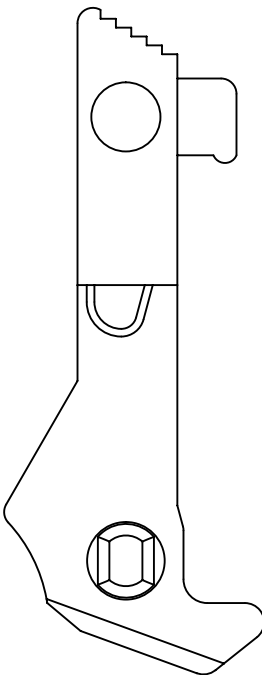
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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.

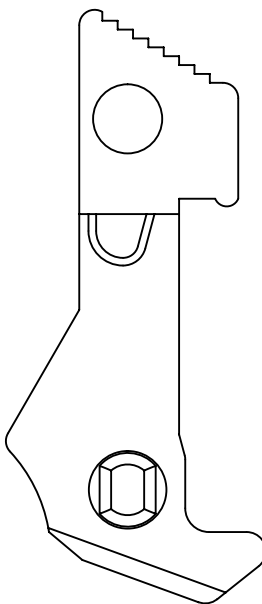
BOTH SNAP-IN AND ROLL PIN LATCHES MAY BE ORDERED SEPARATELY. SNAP-IN AND ROLL PIN STYLE LATCHES ARE DIMENSIONALLY AND FUNCTIONALLY EQUIVALENT. IF ORDERING SNAP-IN OR ROLL PIN STYLE LATCHES SEPARATELY, PLEASE USE THE BELOW CHART.

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

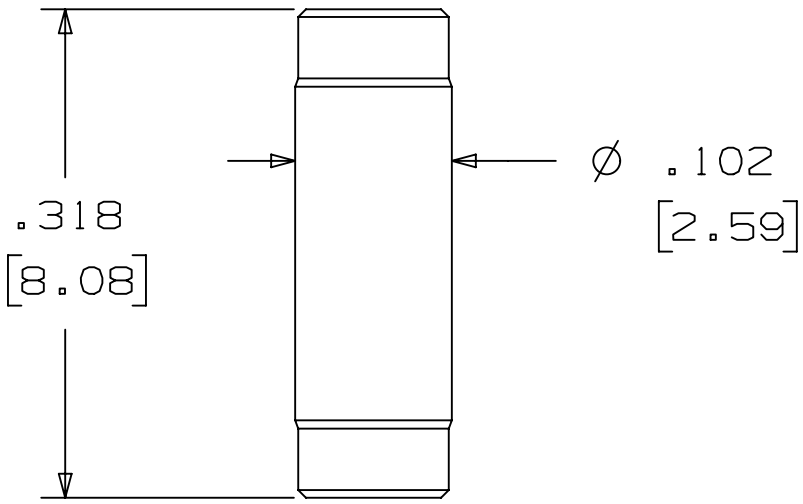
SNAP-IN LATCHES

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

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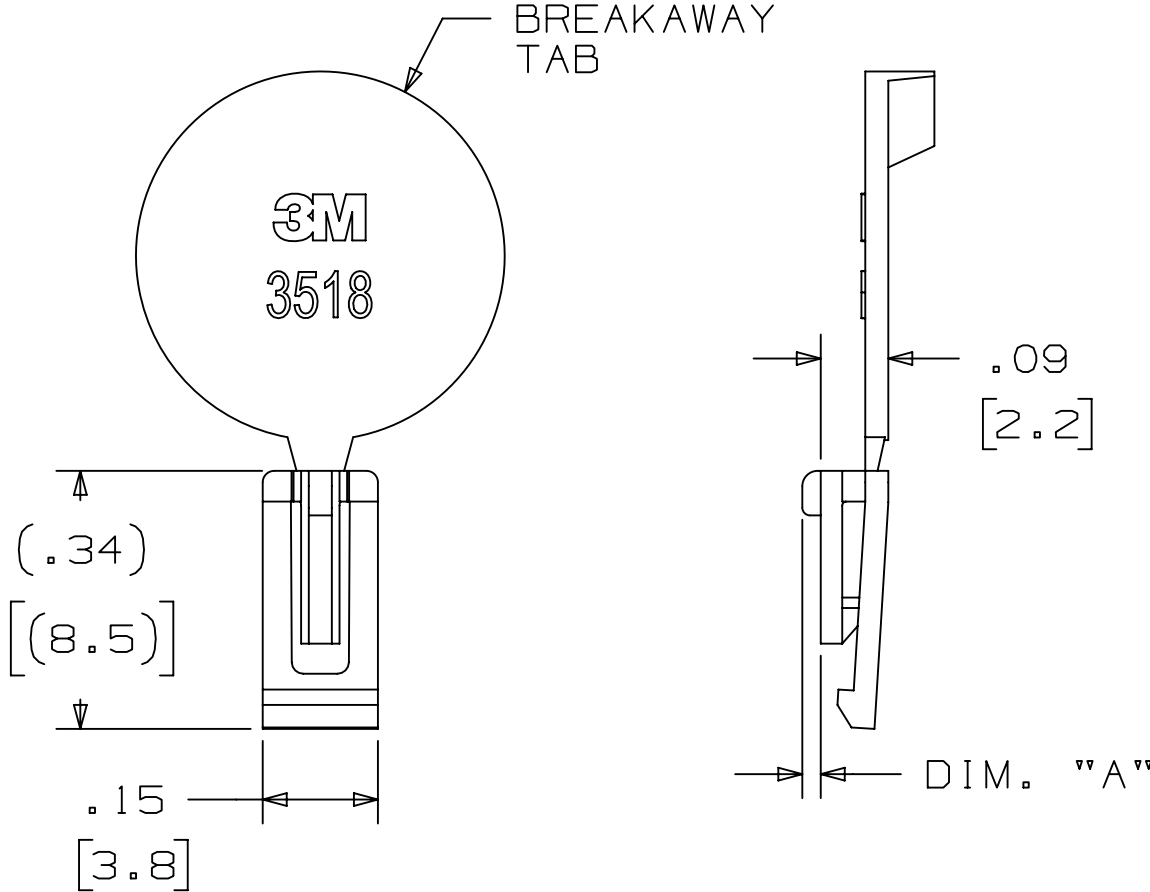
POLARIZING POST



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

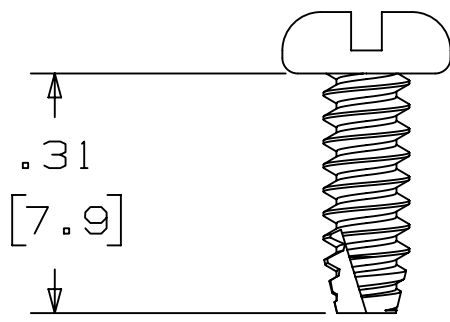
NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXX	XXXXX	1	1	MAY 08, 2024 REMOVE 05 WWT TAIL	JNC	FJR
XXXXX	XXXXX	2	2	NOV 29, 2023 UL VOLTAGE WAS 125	JNC	FJR
XXXXX	XXXXX	3	3	JUN 22, 2021 REVISED ORDERING INFO	JNC	SAN
XXXXX	XXXXX	4	4	JAN 07, 2021 REMOVE TIN LEAD PLATING AND KINK TAILS	JNC	SAN
XXXXX	XXXXX	5	5	JUL 10, 2015 ADD 5X05 OPTION AND REVISE NOTES	JNC	SN
XXXXX	XXXXX	6	6	MAR 06, 2015 REVISE ORDERING NUMBER	JNC	RS
XXXXX	XXXXX	7	7	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	8	8	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	9	9	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	10	10	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	11	11	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	12	12	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	13	13	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	14	14	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	15	15	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	16	16	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	17	17	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	18	18	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	19	19	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS
XXXXX	XXXXX	20	20	JUL 25, 2014 REVISED AND REDRAWN	JNC	RS

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TITLE	4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA	
CAGE NUMBER	D78-5100-0772-3	REV. X
MODEL	3400	LISTS YES NO SHT 3 OF 5

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

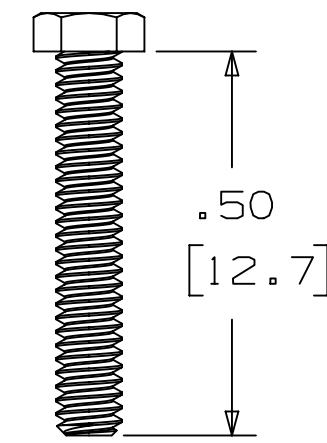
MOUNTING HARDWARE



3341-5

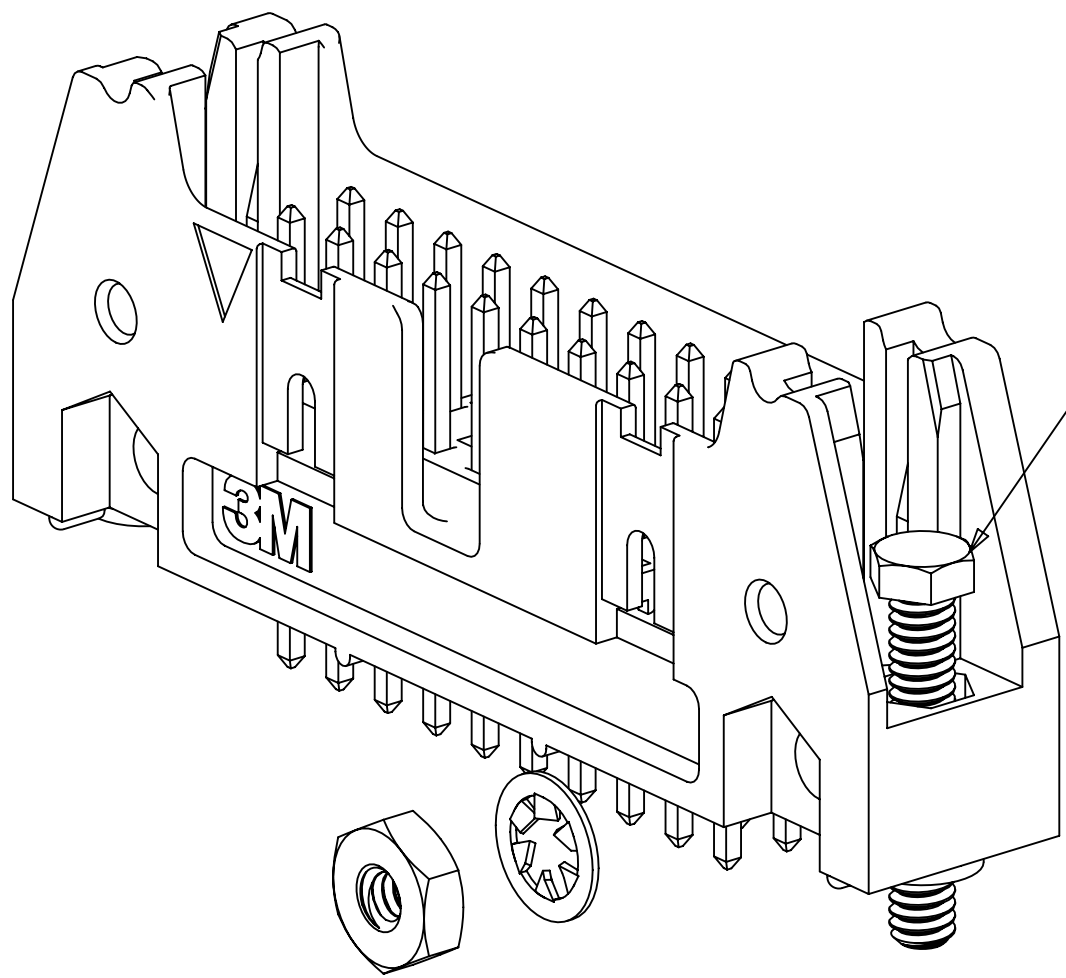
(INSTALL FROM BOTTOM OF BOARD)
SEE NOTE 4

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



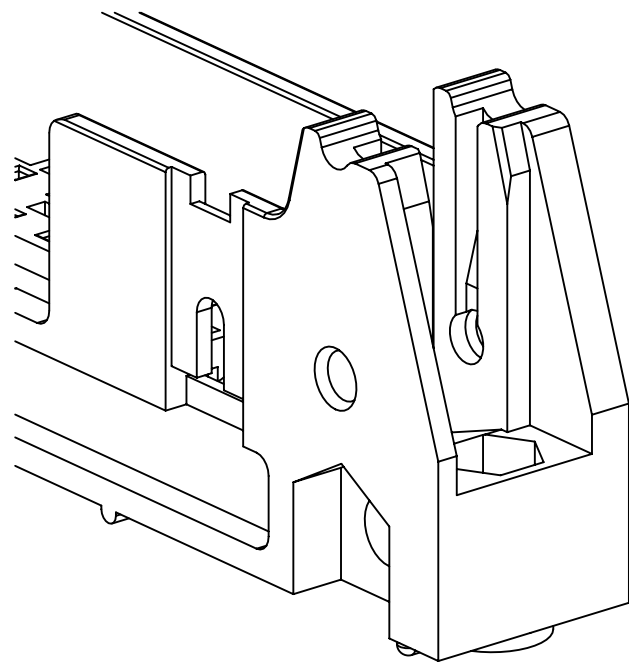
3341-6

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

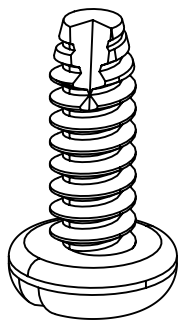


3341-6

#2-56 NUT AND BOLT



3341-5



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DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
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		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 .00 ±.01 .000 ±.005 .0000 ±.0002		MILLIMETERS 0 ±.00 ±.000		THIRD ANGLE PROJECTION	
MAX SURFACE ROUGHNESS		ALL SURFACES		MARKED ONLY		CAGE NUMBER		SIZE		DRAWING NO.	
X		D		78-5100-0772-3		REV.		X		SHT 4 OF 5	
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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Austin, TX 78753-5380
1-800-225-5373
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X	I15955	MAY 08, 2024 REMOVE 05 WWT TAIL	JNC	FJR
W	I12712	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	DRFT	CHKD
DRFT CAST IGL 1 ONE		DATE JUL 25, 2014	WFG	DATE
CHKD	DATE	APPROVAL SCHERER	DATE SEP 05, 2014	

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

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DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ADDRESS CODES				DRFT CASTIGLIONE		DATE JUL 25, 2014		MFG DATE	
				CHKD		DATE		APPR. R. SCHERER DATE SEP 05, 2014	
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Interconnect Solutions		EMSD							
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144					
		INCHES		TITLE 4-WALL HEADER, .100 X 100 LATCH/EJECT, STRAIGHT & RA .100 X 100 LATCH/EJECT, STRAIGHT & RA					
		.00 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002							
THIRD ANGLE PROJECTION		MILLIMETERS		CAGE NUMBER D DRAWING NO. 478-5100-0772-3 REV. X					
INTERPRET PER ASME Y14.5 - 2018		0.0 .00 .000 .000 ±							
MAX SURFACE ROUGHNESS ✓ ☐ ALL SURFACES ☐ MARKED ONLY		ANGLES ±		MODEL 3400 LISTS ☐ YES ☒ NO SHT 5 OF 5					