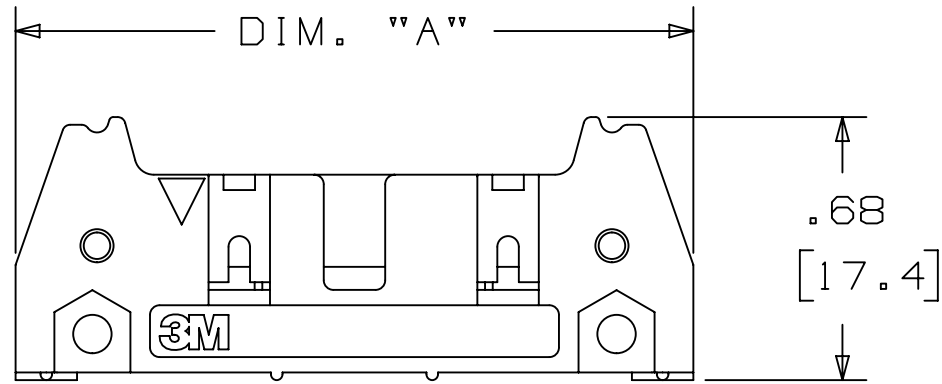
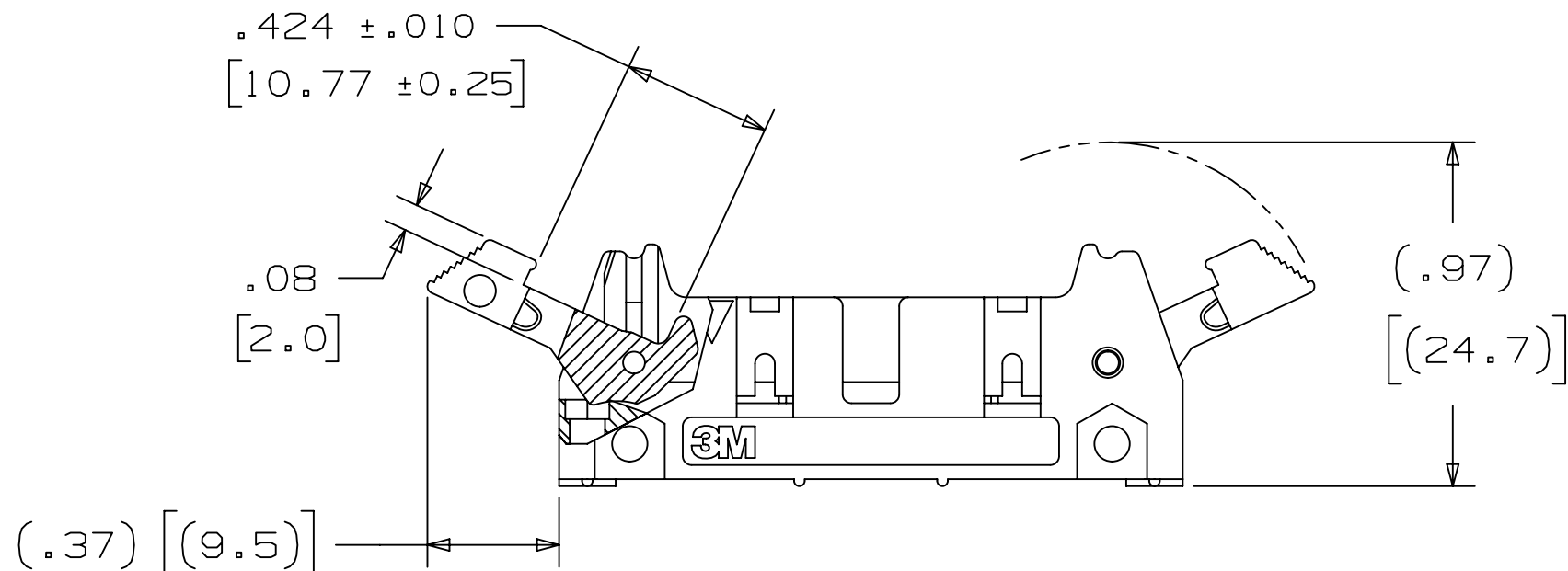


3M™ FOUR-WALL HEADER, 3000 SERIES

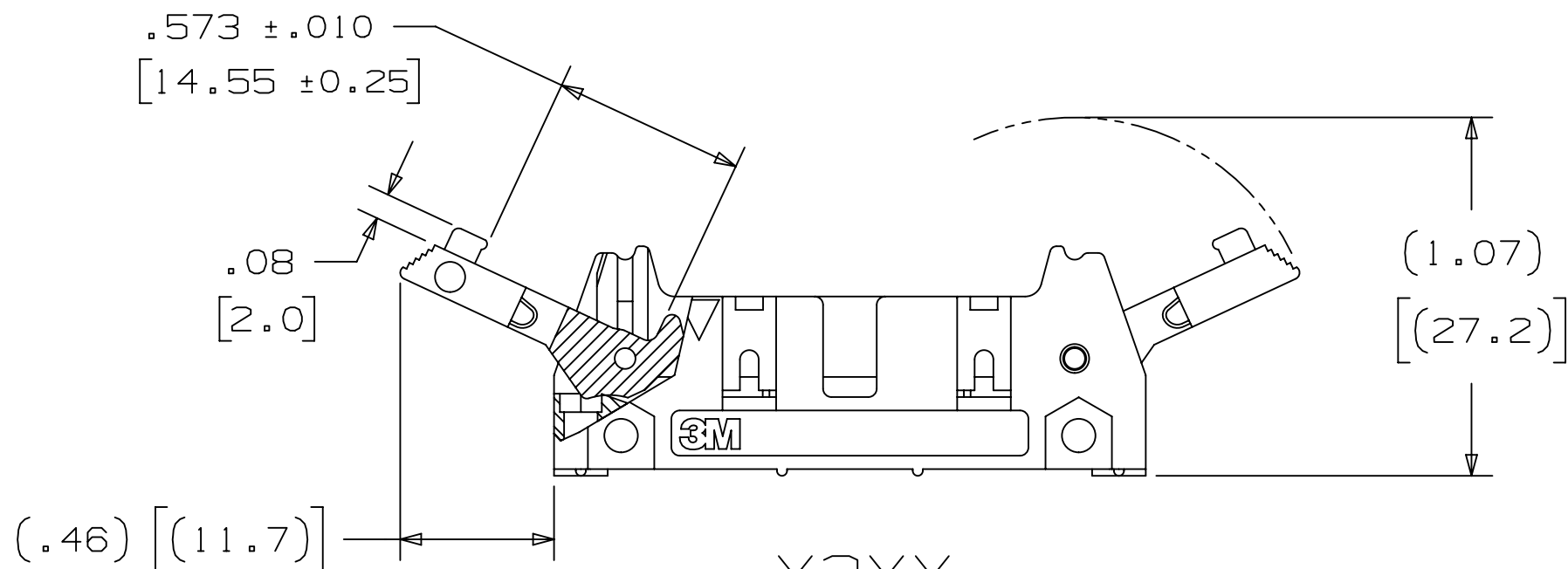
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-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

X3XXX-XXXXXX

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

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

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

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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 SOLDER TAIL OPTIONS.

2 PHYSICAL :

INSULATOR: HIGH TEMP GLASS FILLED POLYESTER (PCT)
MATERIAL: UL94V-0
FLAMMABILITY: BLACK
COLOR: COPPER ALLOY
CONTACT: 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 10⁹Ω 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	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

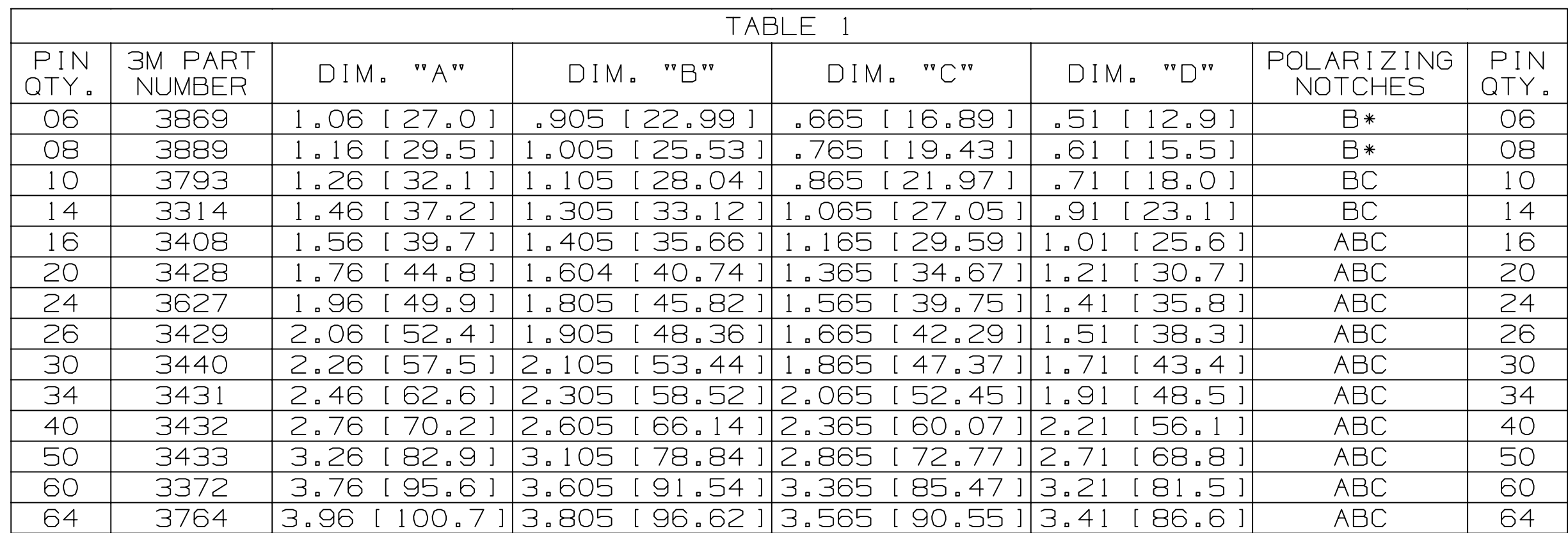
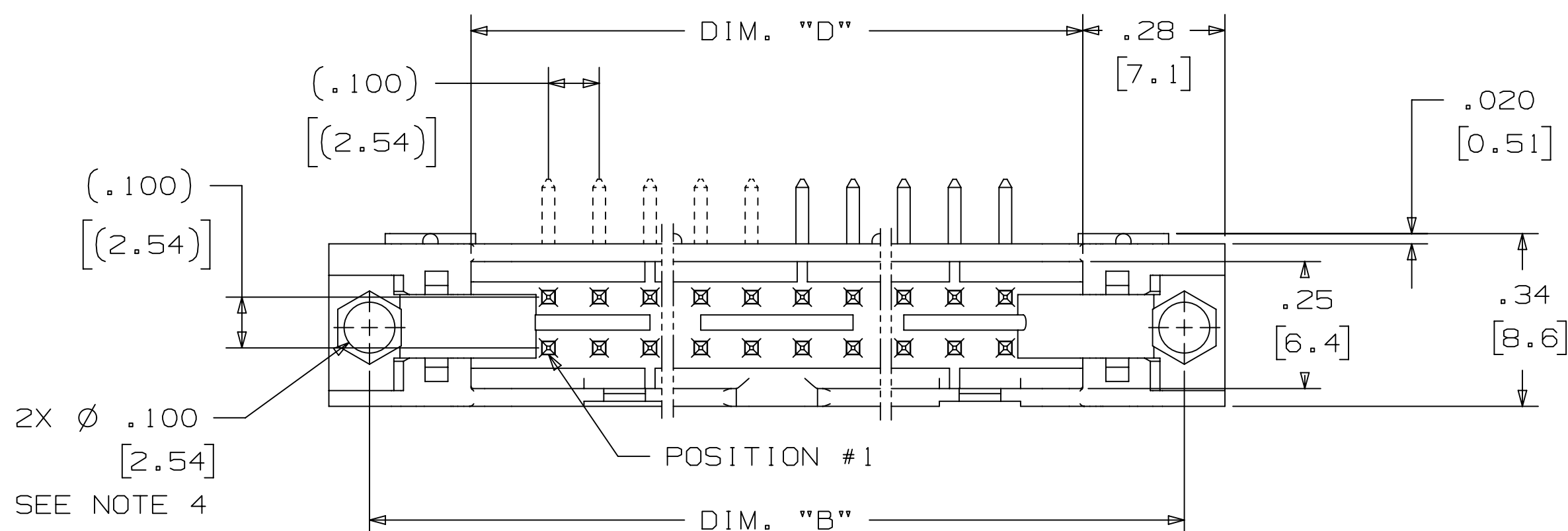
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	CATTIGLIONE	DATE JUL 25,2014	DATE	
CHKD		DATE	DATE	
		APPR	DATE	
		R. SCHERER	SEP 05,2014	
3M Center St. Paul, MN 55144				
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TITLE 4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D		78-5100-0772-3	X	
MODEL	3400	DET	LISTS	YES
		NO	SHT	1 OF 5

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

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

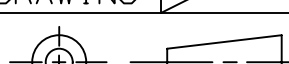
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.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



* AVAILABLE WITHOUT CENTER NOTCH B. CONTACT 3M

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

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 ± .00 ± .00 ± .000 ±	
☒ ALL SURFACES ☐ MARKED ONLY		ANGLES ±	

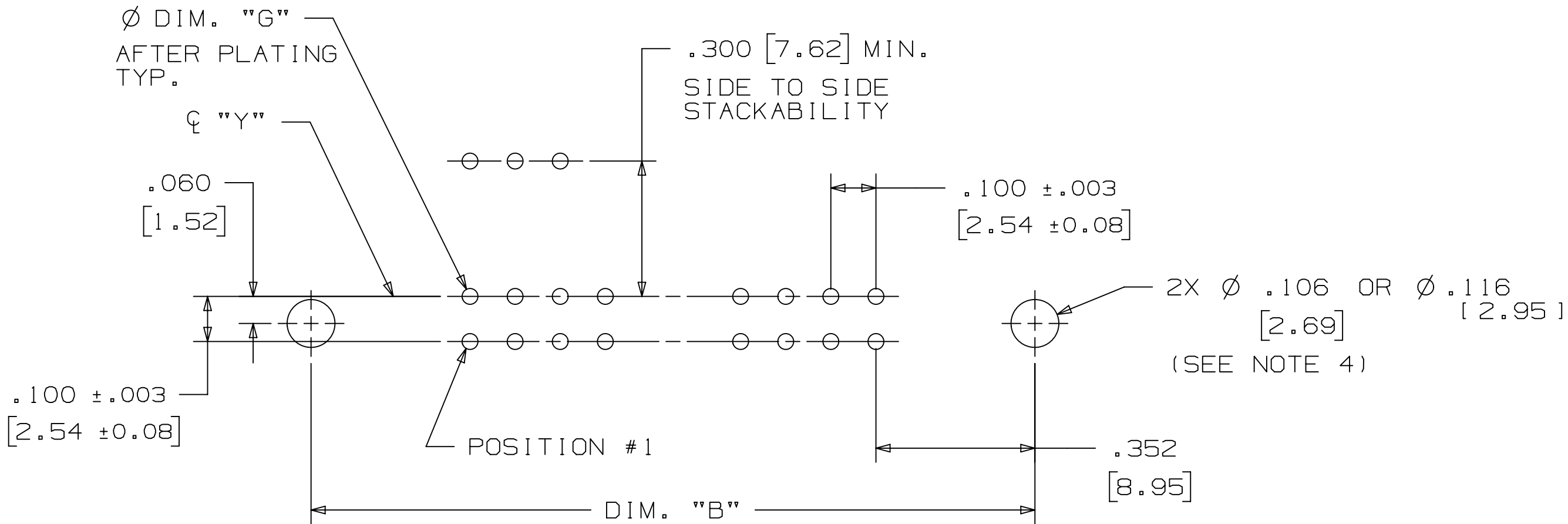
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	TITLE 4 - WALL HEADER, .100 X .100 LATCH/ELECT, STRAIGHT & RA		
CASE NUMBER	SIZE D	DRAWING NO. 78-5100-0772-3	REV. X
MODEL 3400	DET. LISTS ☐ YES ☒ NO SHT 2 OF 5		

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INFORMATION CALL 800-225-5373

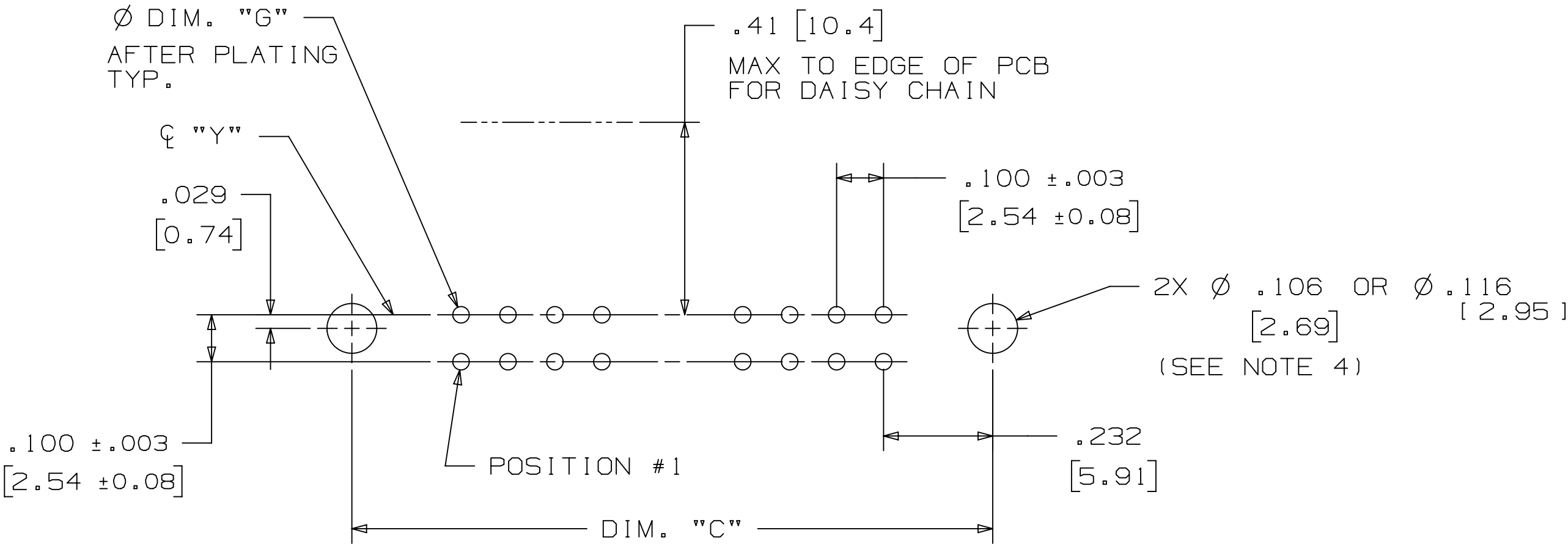
78-5100-0772-3 DRAWING NUMBER	X REVISION
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3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



RECOMMENDED MOUNTING HOLE PATTERN
(STRAIGHT VERSION)



RECOMMENDED MOUNTING HOLE PATTERN
(RIGHT ANGLE VERSION)

PART CUSTOMIZATION

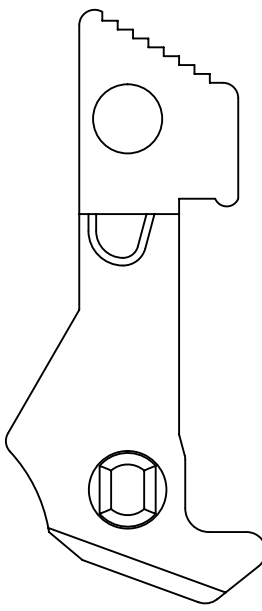
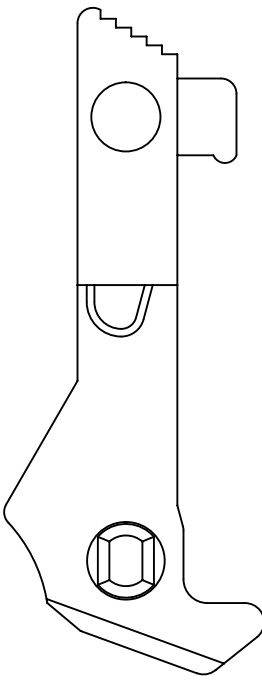
THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

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

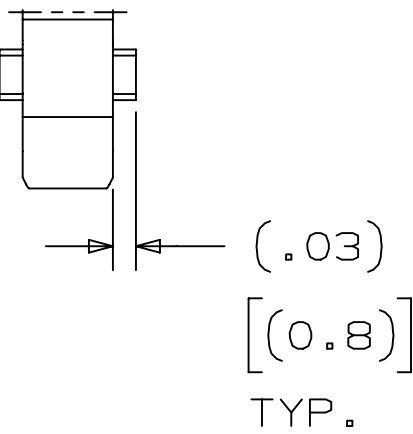


LONG

SHORT

SNAP-IN LATCHES

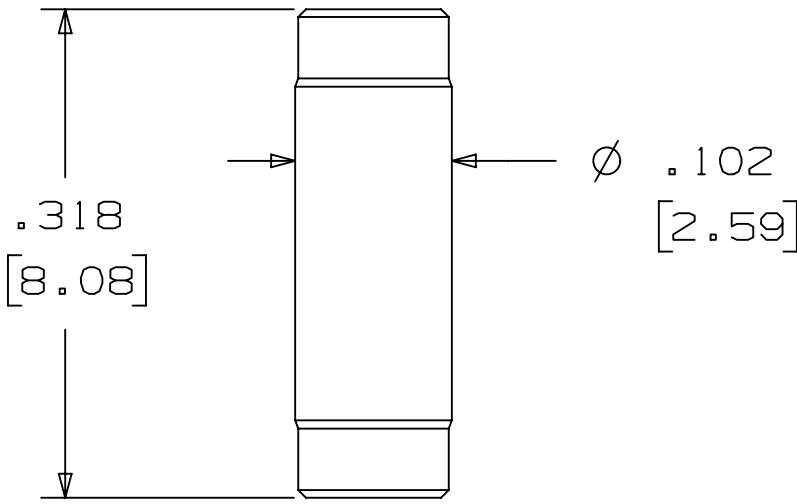
NOTE:
SNAP-IN LATCHES CAN ONLY BE ORDERED SEPARATELY AND ARE THE CUSTOMERS RESPONSIBILITY TO INSTALL.



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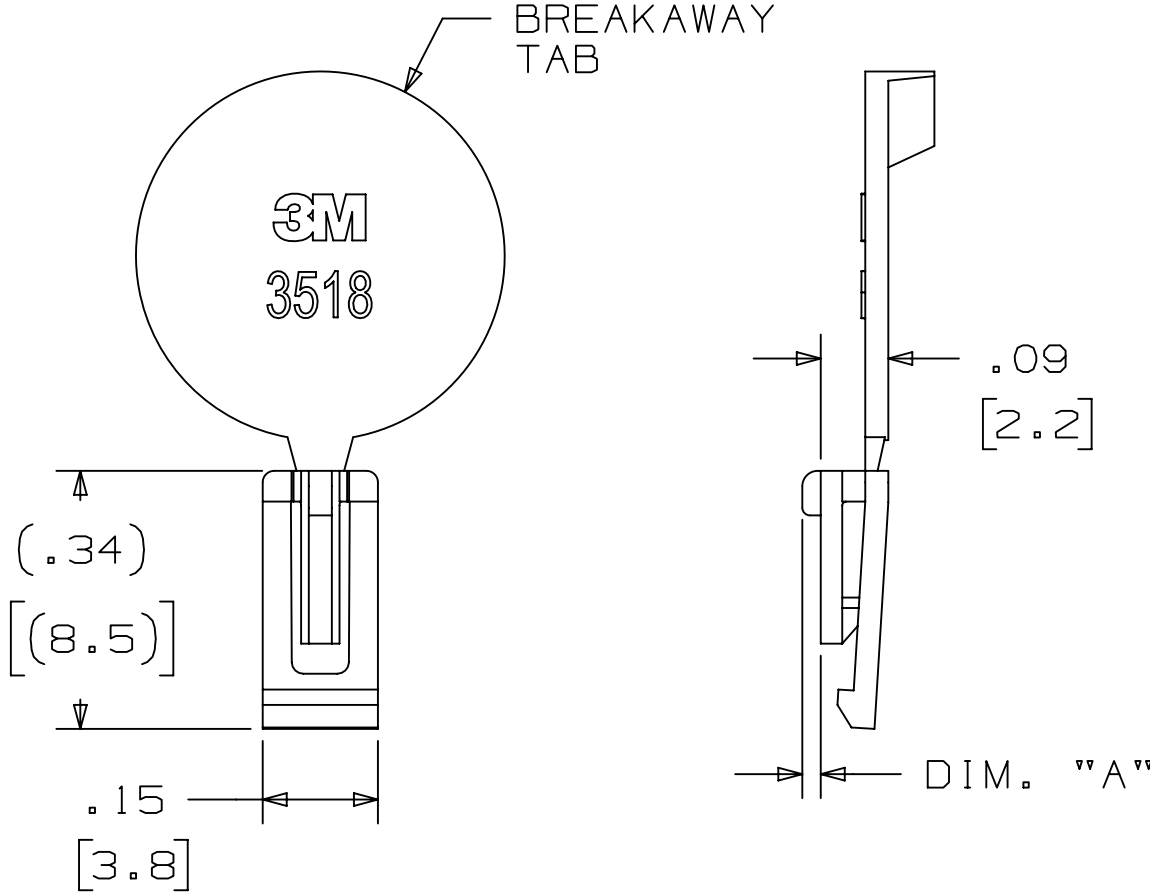
POLARIZING POST



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

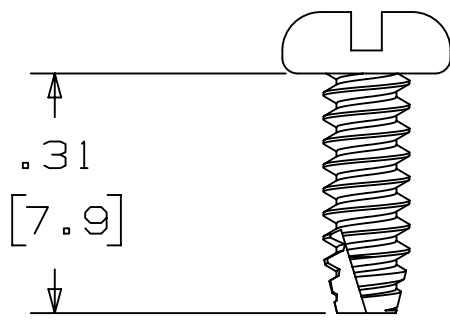
NOTE:
#2216 B/A SCOTCHWELD CAN BE USED TO
ADHERE KEYS.

X	115955	MAY 08,2024 REMOVE 05 WWT TAIL	JNC	FJR
W	112712	NOV 29,2023 UL VOLTAGE WAS 125	JNC	FJR
V	97909	JUN 22,2021 REVISED ORDERING INFO	JNC	SAN
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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

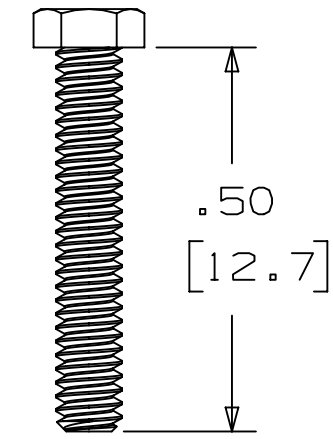
MOUNTING HARDWARE



3341-5

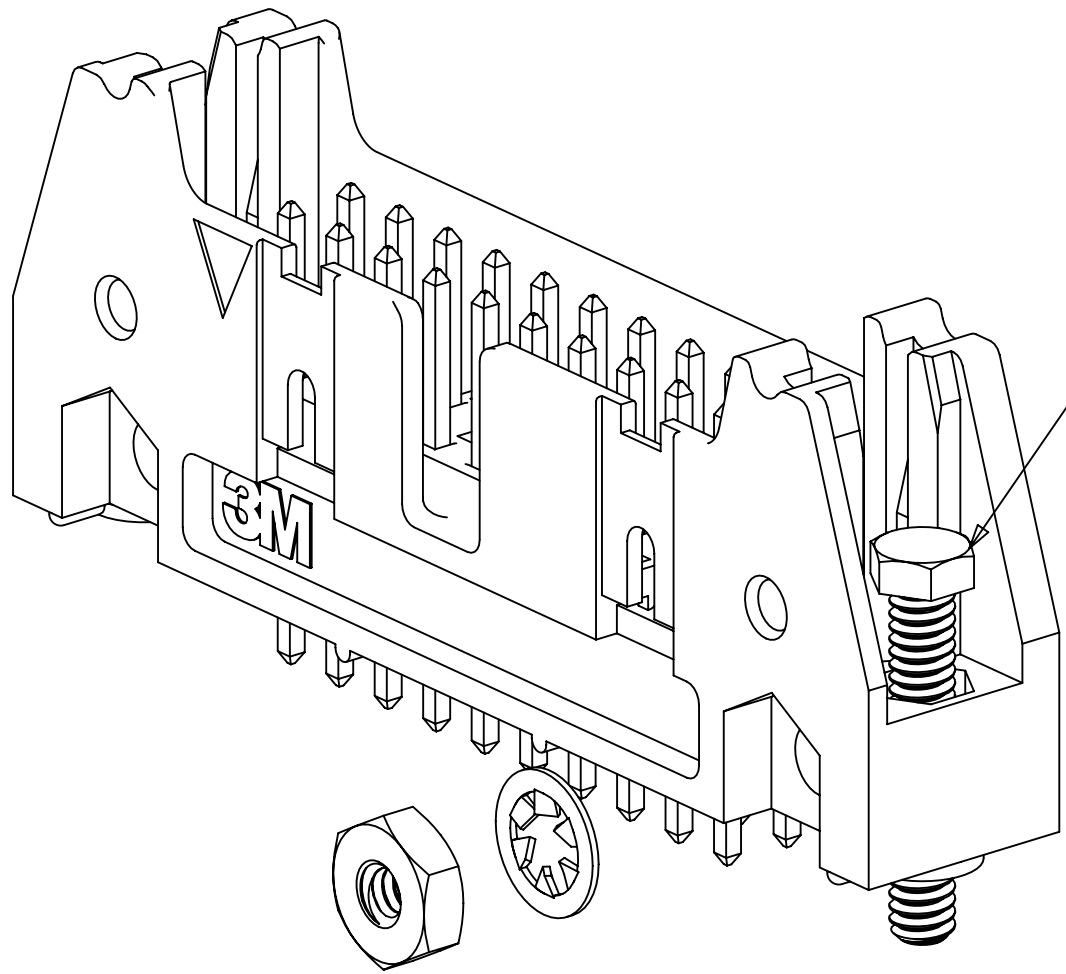
(INSTALL FROM BOTTOM OF BOARD)
SEE NOTE 4

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

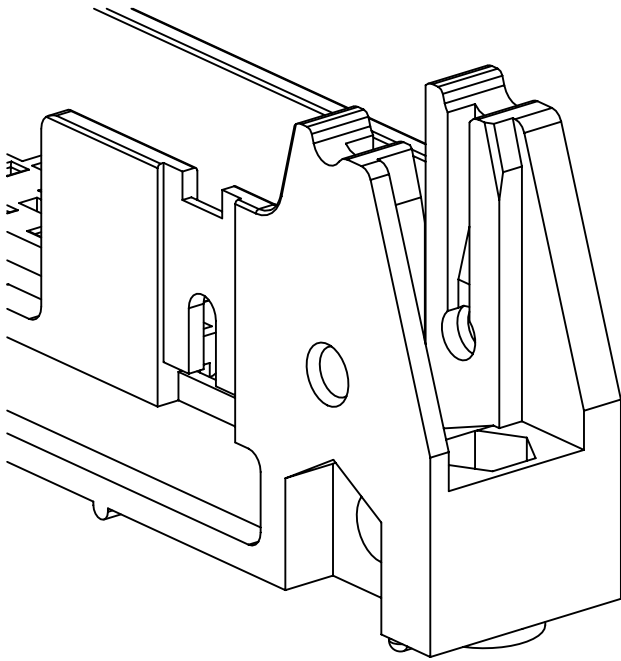


STRAIGHT VERSION INSTALL
(MUST BE INSERTED PRIOR TO
LATCH INSTALL)

RIGHT ANGLE VERSION INSTALL

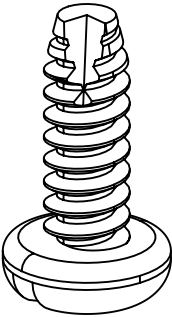
3341-6

#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		
DO NOT SCALE DRAWING	TOLERANCES EXCEPT AS NOTED	3M Center St. Paul, MN 55144				
THIRD ANGLE PROJECTION	INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002	© 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.				
INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS 0 ± .0 ± .00 ± .000 ±	TITLE 4-WALL HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA				
MAX SURFACE ROUGHNESS ALL SURFACES MARKED ONLY	ANGLES ±	CAGE NUMBER	SIZE	DRAWING NO.	REV.	
		D	78-5100-0772-3	X		
		MODEL	3400	DET	ISTS	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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3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
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X	115955	MAY 08, 2024	JNC	FJR
W	112712	REMOVE 05 WWT TAIL NOV 29, 2023 UL VOLTAGE WAS 125	JNC	FJR
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DESIGN REFERENCE		NEXT ASSEMBLY		
ACCESS CODES		DEPT CASTIGLIONE	DATE JUL 25, 2014	MFG DATE
		CHKD	DATE	APPR. R. SCHERER
		DATE SEP 05, 2014		
DIVISION Interconnect Solutions		DIVISION CODE EMSD		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		
		INCHES .0 ± .1 .00 ± .01 .000 ± .005 .0000 ± .0002		
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± 0 0 000 ±		
INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS ☒ ALL SURFACES ☐ MARKED ONLY		
		CAGE NUMBER ☒ 5100-0772-3		REV. X
		SIZE D 78-5100-0772-3		DET. LISTS ☒ YES ☒ NO
		MODEL 3400		SHT 5 OF 5
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TITLE 4 - 100X HEADER, .100 X .100 LATCH/EJECT, STRAIGHT & RA				