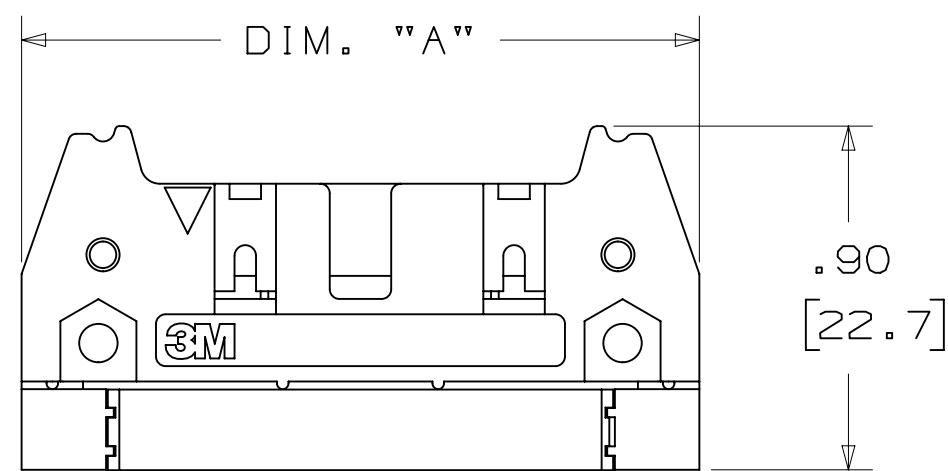
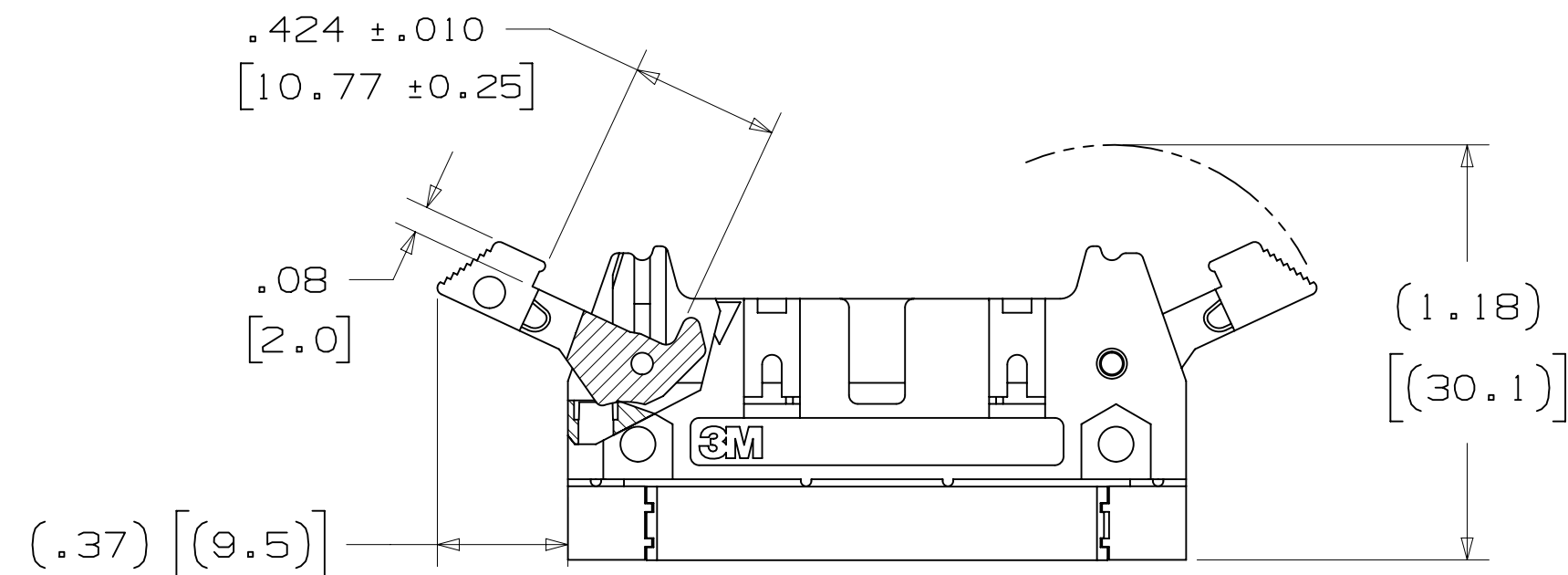


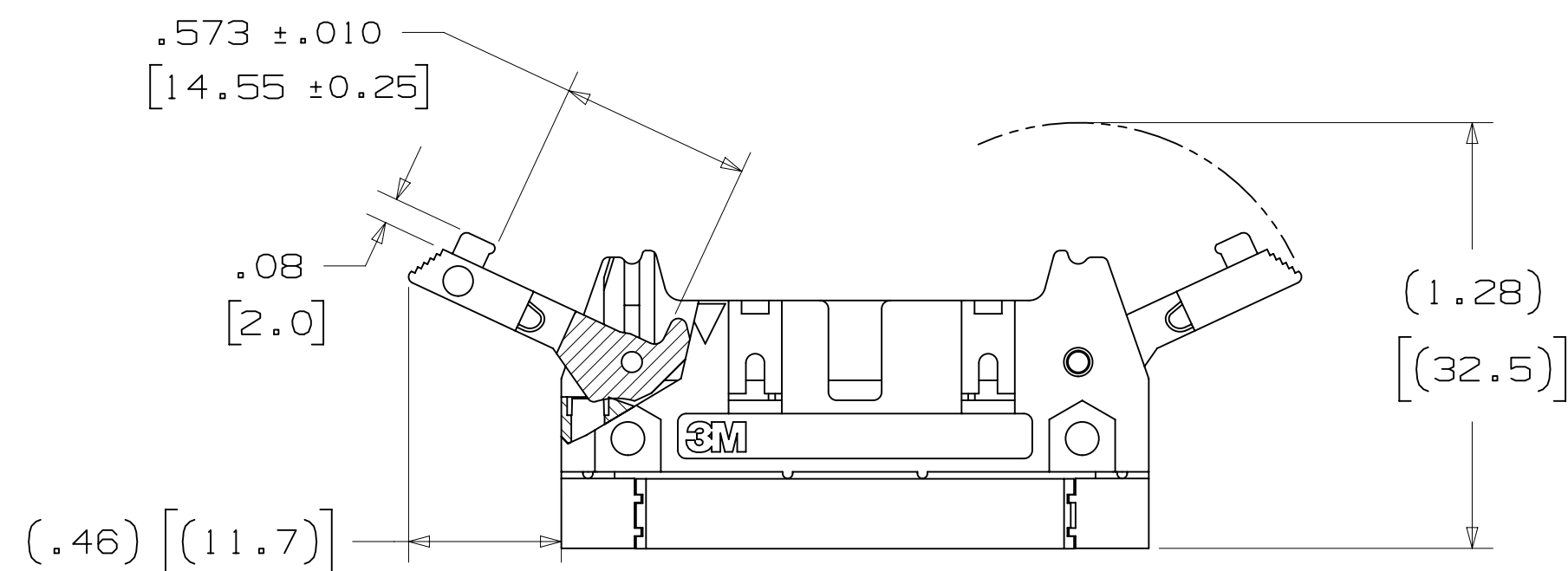
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-LOOX
HEADER WITHOUT LATCH EJECTOR



-L20X
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-L30X
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX-LXXXXX

3M PART NUMBER:
(SEE TABLE 1)

```
- TAIL:
02 = FOR .062 [ 1.57 ] THICK BOARD
03 = FOR .094 TO .125 [ 2.39 TO 3.18 ] THICK BOARD
```

- PLATING:

RB = 30μ" [0.76μm] GOLD AND 200μ" [5.08μm] MATTE TIN
(APP. E1 & C1 APPLY)

UB = 30μ" [0.76μm] GOLD AND 200μ" [5.08μm]
TIN LEAD (APP. E3 & C2 APPLY)

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

- * STACKED PINS CONSERVE SPACE ON THE CIRCUIT BOARD ALLOWING HIGHER DENSITY PACKAGING.
- * PIN QUANTITY TO 128 GIVES DESIGN FLEXIBILITY WITH LATCHING.
- * "HDI" ALTERNATIVE.
- * ACCEPTS STANDARD IDC SOCKETS.
- * MATES WITH STANDARD FLAT CABLE HARNESSSES.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.

2 PHYSICAL :

```

INSULATOR:
  MATERIAL: GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
  COLOR: BLACK
CONTACT:
  MATERIAL: COPPER ALLOY
  PLATING:
UNDER PLATING: 100μ" [ 2.54μm ] NICKEL-OVERALL
  WIPING AREA: 30μ" [ 0.76μm ] AVG. GOLD
  SOLDER TAILS: 200μ" [ 5.08μm ] TIN LEAD OR MATTE TIN (SEE ORDERING INFORMATION)
MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

```

2 ELECTRICAL :

CURRENT RATING: 1A (EIA 364-70)
INSULATION RESISTANCE: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

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)

NOTES

1.	REGULATORY INFORMATION: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION.
----	--

2 IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.

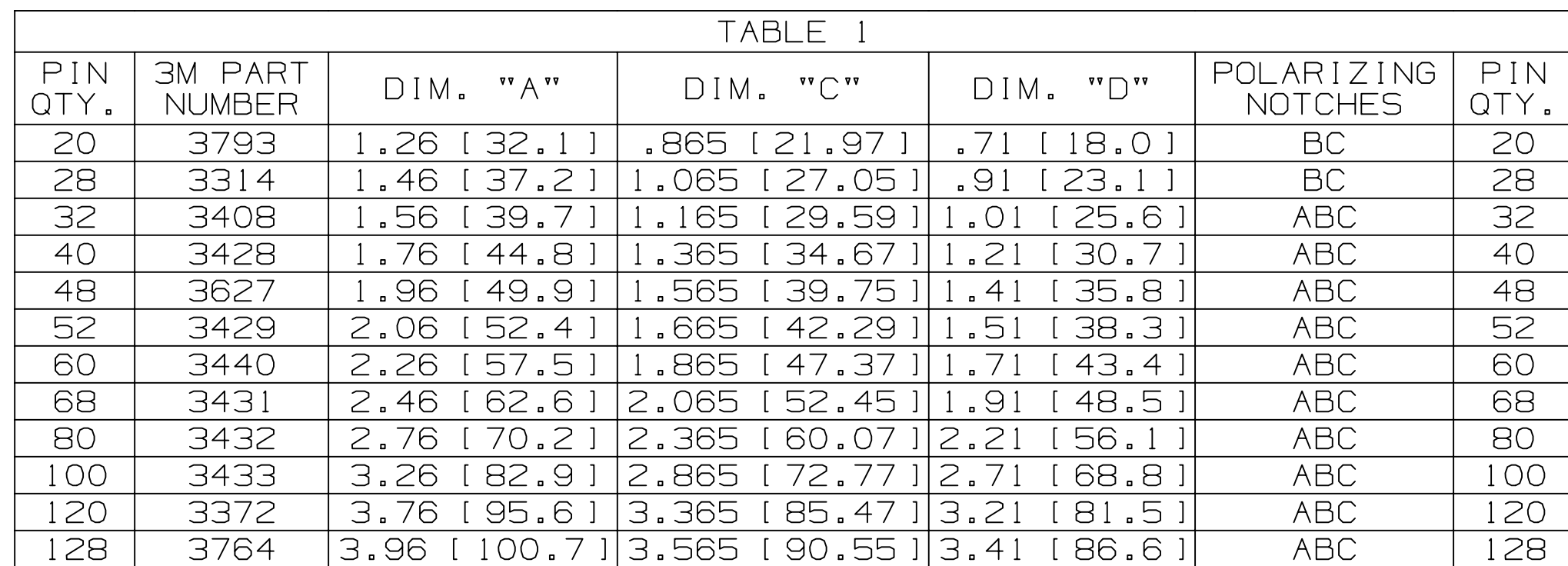
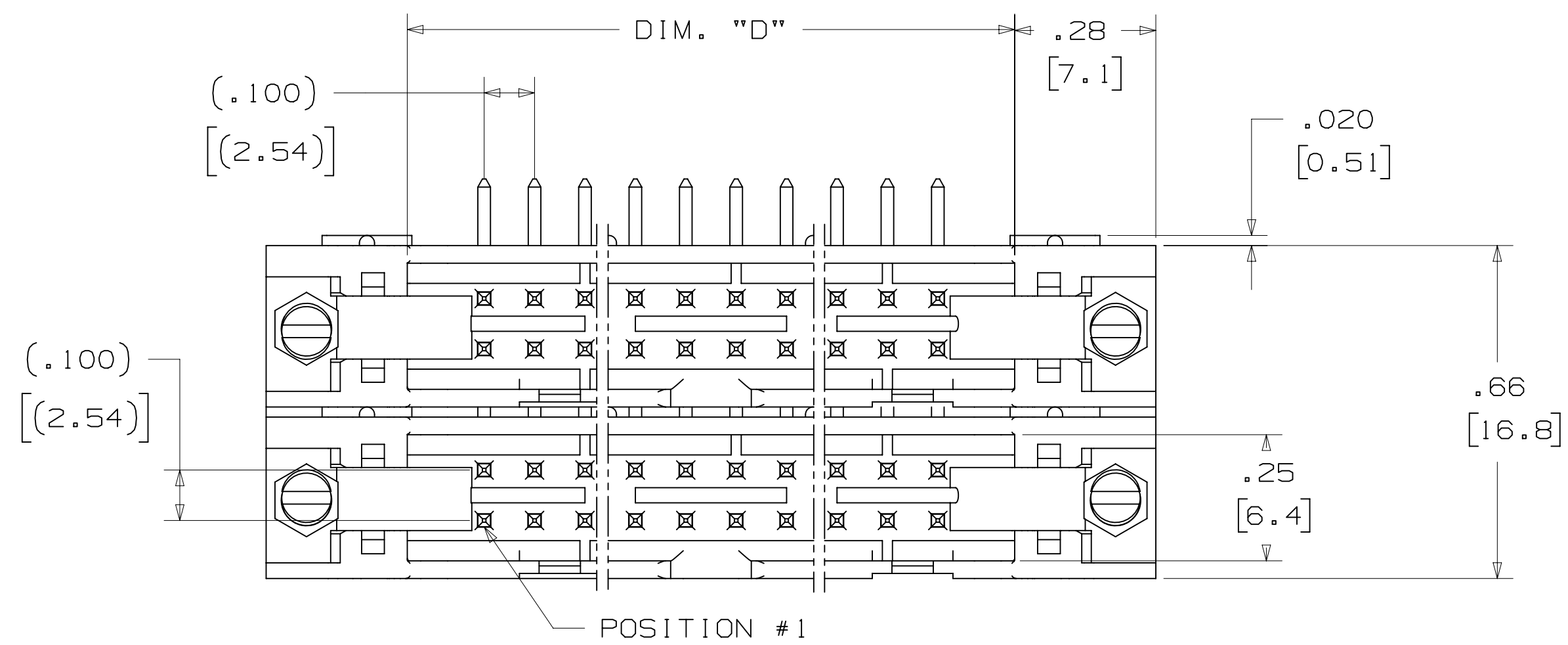
3	NOTCHES A & C WILL ACCOMODATE 3M POLARIZING KEY: N3518.
---	--

4 MOUNTING HARDWARE:
FROM SOLDER SIDE OF PC BOARD
USE #4-24 THREAD CUTTING SCREW
(3M PART #3341-5) AND
Ø .116 (2.95) MOUNTING HOLE.

K		60056	MAR 06,2015		JNC	RS
J		56068	AUG 05,2014		JNC	RS
REV		ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DRFT		CAGST1G1ONE	DATE AUG 05,2014		MFG	DATE
CHKD			DATE		APPROVAL S. SCHERER	DATE SEP 05,2014
DIVISION		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2015 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		TITLE HEADER, 4-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		CAGE NUMBER D78-5100-0774-9		
THIRD ANGLE PROJECTION		INCHES .00 ± .01 .0000 ± .005 .0000 ±		REV. K		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .00 ± .13 .0000 ±		MODEL 3000 SERIES		
MAX SURFACE ROUGHNESS □ SURFACES ✓ MARKED ONLY		ANGLES		DET. CTS ☐ YES ☒ NO SHT 1 OF 3		

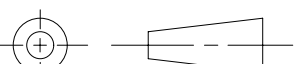
UL
UL FILE NO: E68080

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



NOTE :
.112 [2.84] TAIL LENGTH SUITABLE FOR
.062 [1.57] THICK PC BOARD.

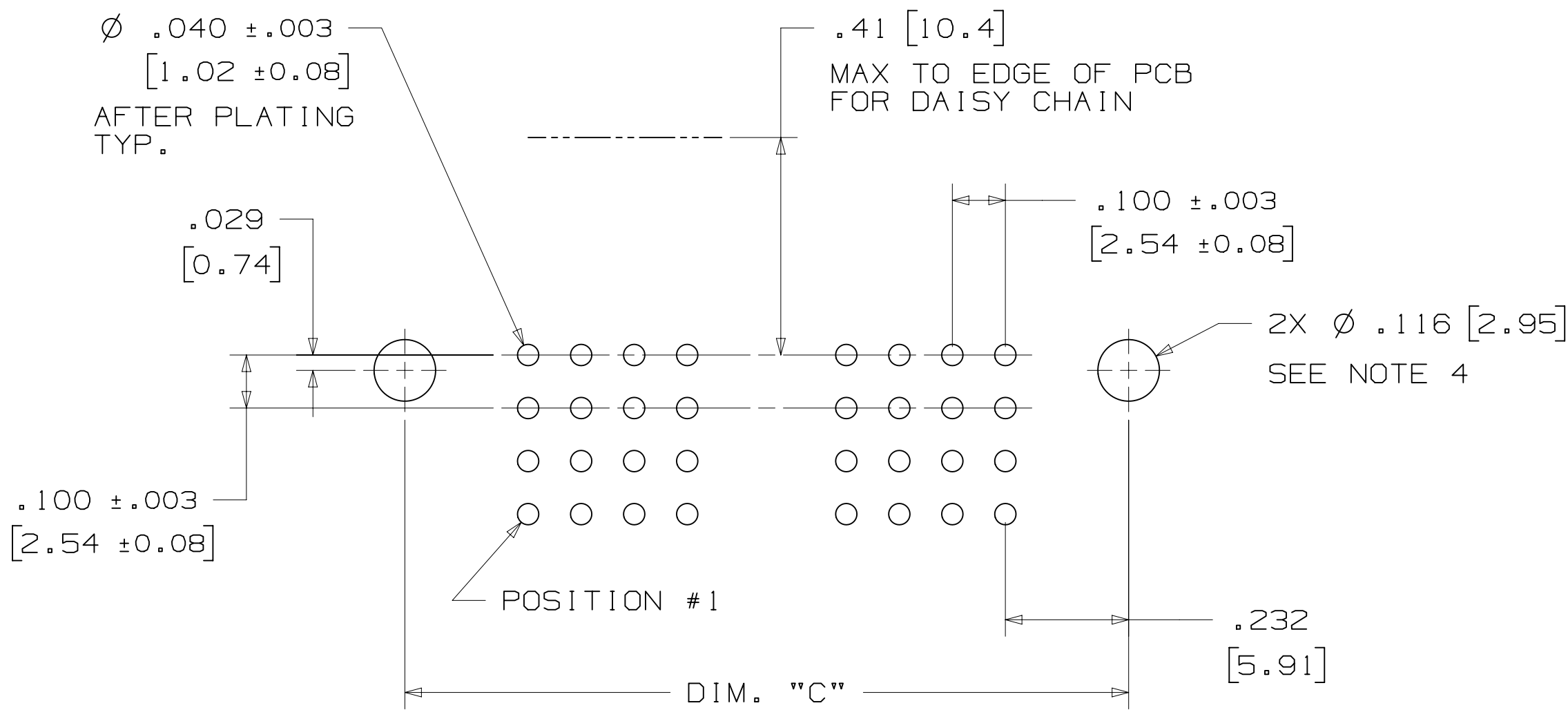
K	60056	MAR 06,2015			JNC	RS
		REVISED ORDERING				
		NUMBER				
J	56068	AUG 05,2014			JNC	RS
		REVISED AND REDRAWN				
REV	ECO	ISSUE DATE AND DESCRIPTION			DRFT	CHKD
DRFT CASTIGLIONE		DATE	MFG		DATE	
		AUG 05,2014				
CHKD	DATE		APPROVAL		DATE	
			R. SCHERER		SEP 05,2014	
 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2015 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						
HEADER, 4-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA						
CAGE NUMBER	SIZE	DRAWING NO.				REV.
D	1	D78-5100-0774-9				K
MODEL	3000 SERIES		DET. LISTS	☐ YES ☒ NO		SHT 2 OF 3

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD								
ACROSS				BRF	CASTIGLIONE	DATE	AUG 05, 2014	MFG	DATE								
				CHKD		DATE		APPRV	R. SCHERER								
								DATE	SEP 05, 2014								
DIVISION		DIVISION CODE				© 3M COPYRIGHT 2015											
Interconnect Solutions		EMSD				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 .00 ± .01 .000 ± .005 .0000 ±		TITLE		HEADER, 4-WALL, CONDO, 100 X 100 LATCH/EJECTOR, RA											
THIRD ANGLE PROJECTION				CAGE NUMBER						D 78-5100-0774-9							
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±		SIZE DRAWING NO.										K			
MAX SURFACE ROUGHNESS MAX SURFACES ☒ MARKED ONLY		ANGL		MODEL													
						SHT 2 OF 3											

Imaged: K.1 3/6/2015 12:57 PM UTC-06:00

3M™ FOUR-WALL CONDO HEADER, 3000 SERIES

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



RECOMMENDED MOUNTING HOLE PATTERN

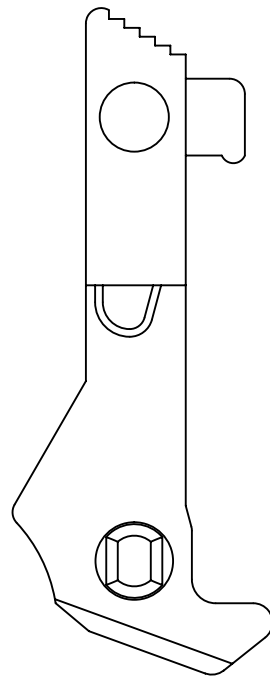
PART CUSTOMIZATION

THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

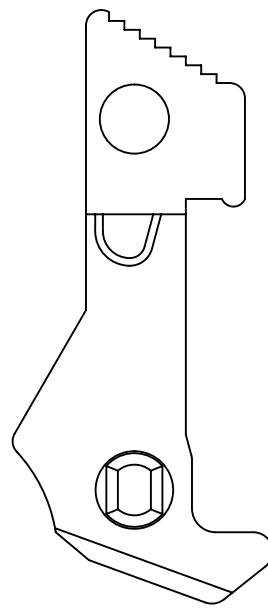
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

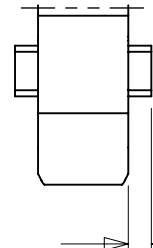
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



LONG



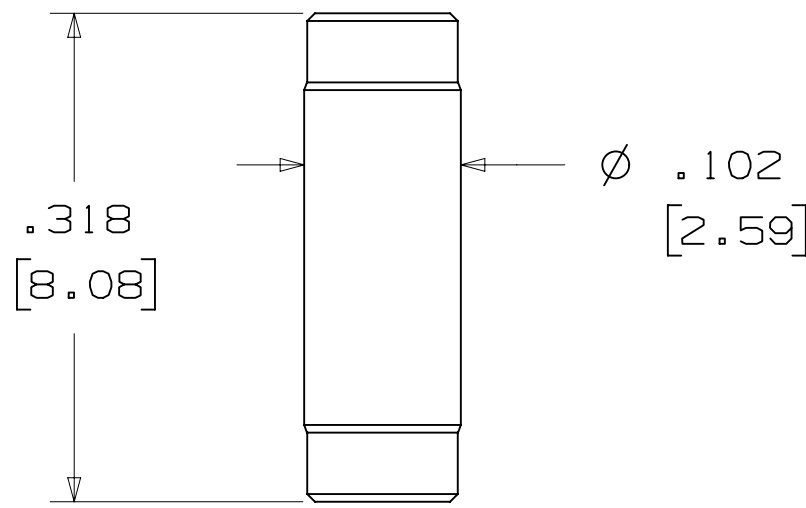
SHORT



SNAP-IN LATCHES

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

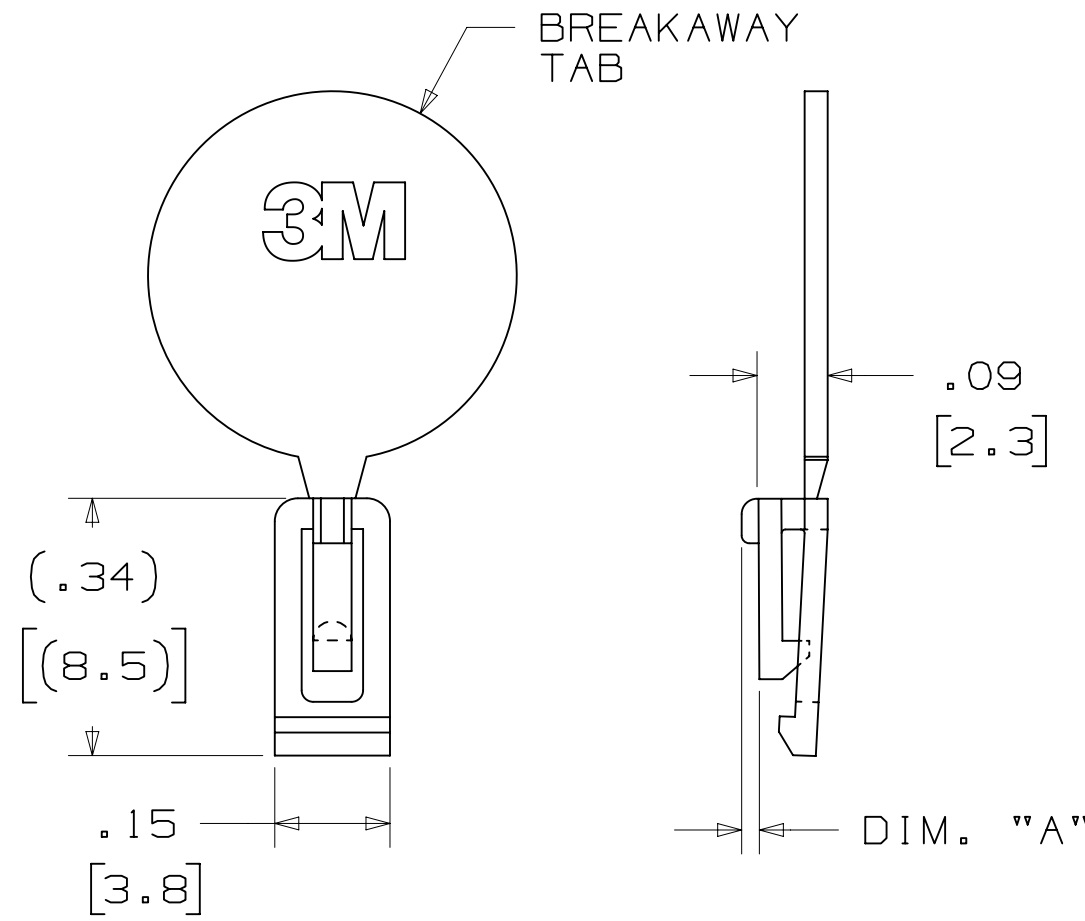
POLARIZING POST



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]

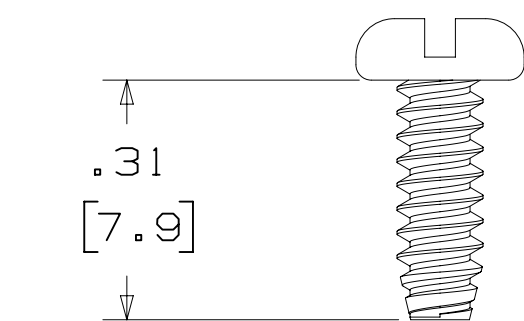
POLARIZING KEY



3M PART NO.	MATERIAL	COLOR	DIM. 'A'
N3518	LCP	BLACK	.02

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

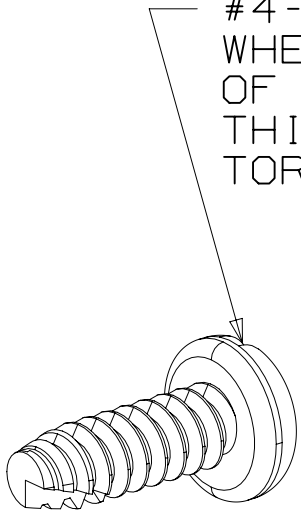
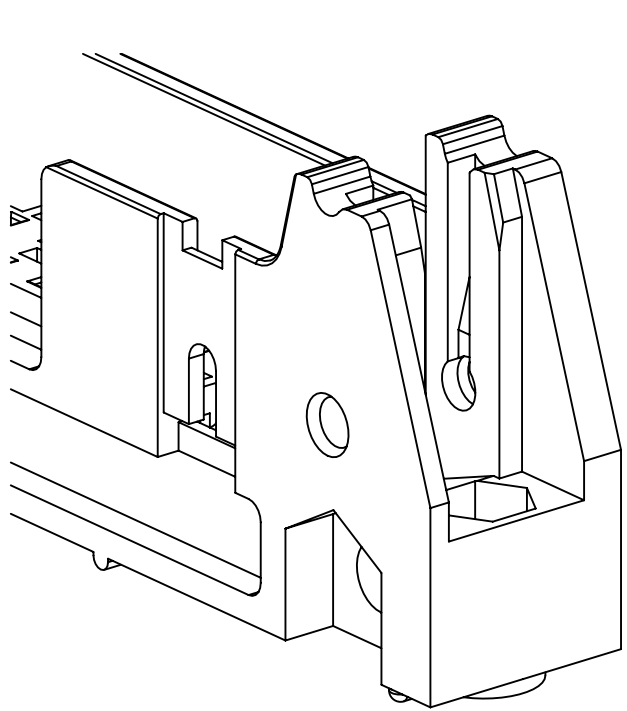
MOUNTING HARDWARE



3341-5

(INSTALL FROM BOTTOM OF BOARD)

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



#4-24 TYPE BT SELF-THREADING SCREW
WHEN USING LATCHES, MAXIMUM LENGTH OF SCREW IS .250 INCHES PLUS THICKNESS OF THE BOARD.
TORQUE FOR EACH SCREW IS 3-5 INCH LBS.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
K0000		J0000		1	ECO	AUG 05, 2014			
DIVISION		DIVISION CODE		CHKD		DATE		DATE	
Interconnect Solutions		EMSD		R. SCHERER		AUG 05, 2014		SEP 05, 2014	
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		INCHES .00 ± .01 .000 ± .0005 .0000 ±		MILLIMETERS 0 ± .00 ± .003 .000 ±	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
DIVISION		DIVISION CODE		CAGE NUMBER		DRAWING NO.		REV.	
Interconnect Solutions		EMSD		D78-5100-0774-9		K		REV.	
MODEL		3000 SERIES		LISTS		YES		NO	
						SHT 3 OF 3			