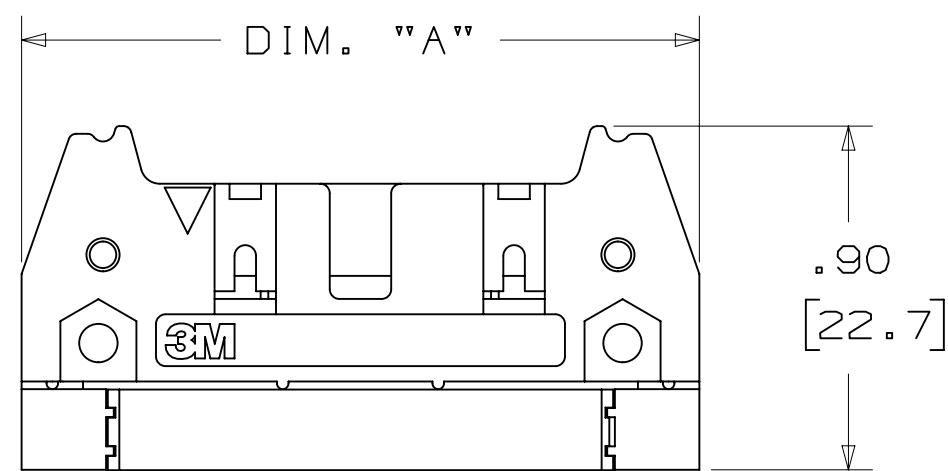
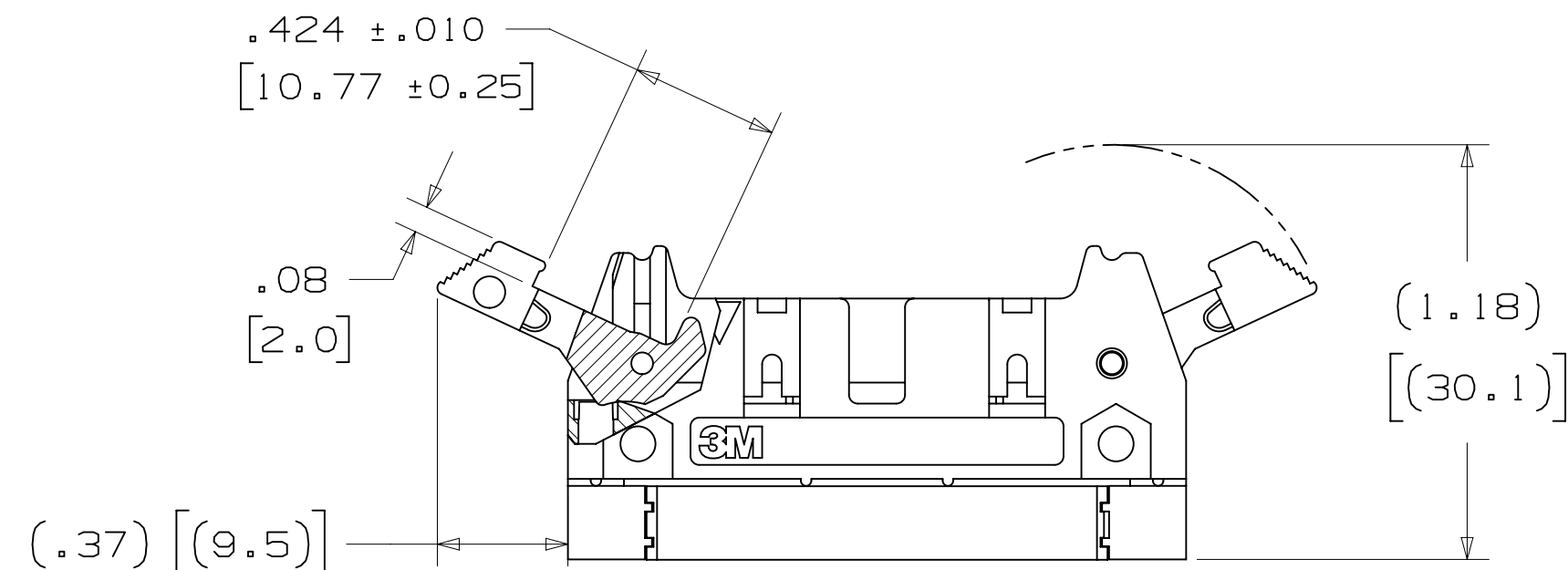


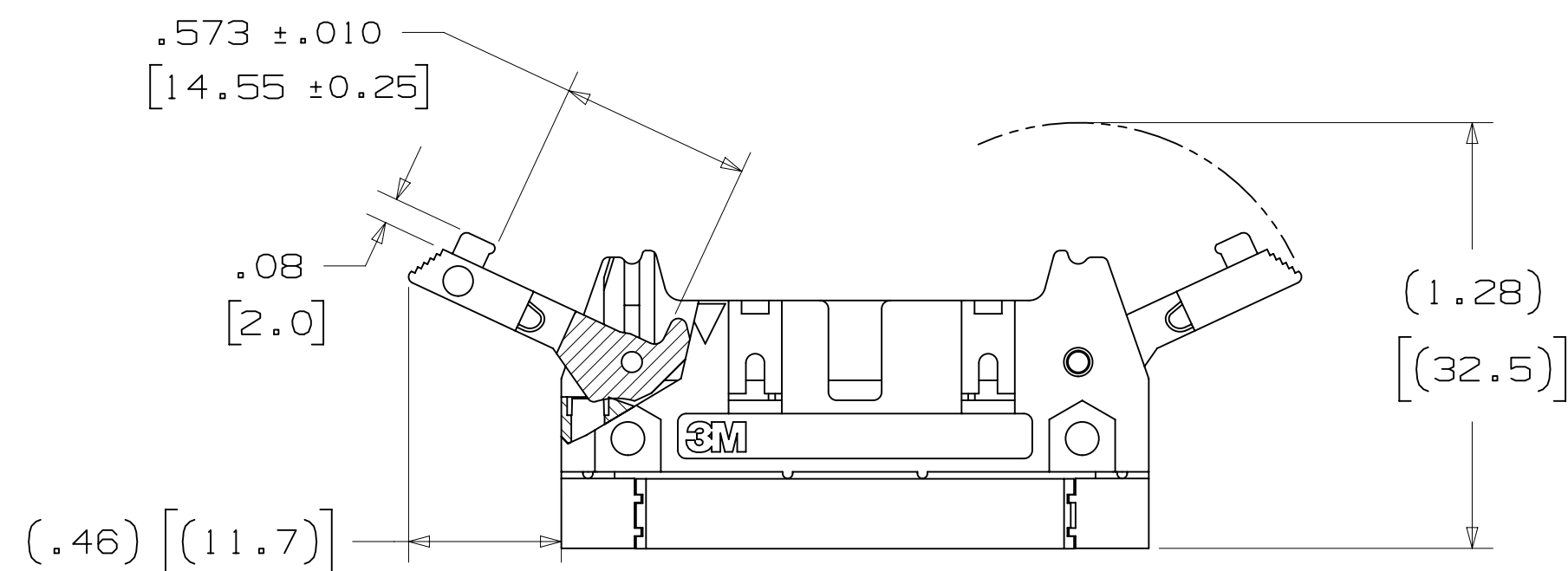
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



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

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

3M IS A TRADEMARK OF 3M COMPANY.
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.

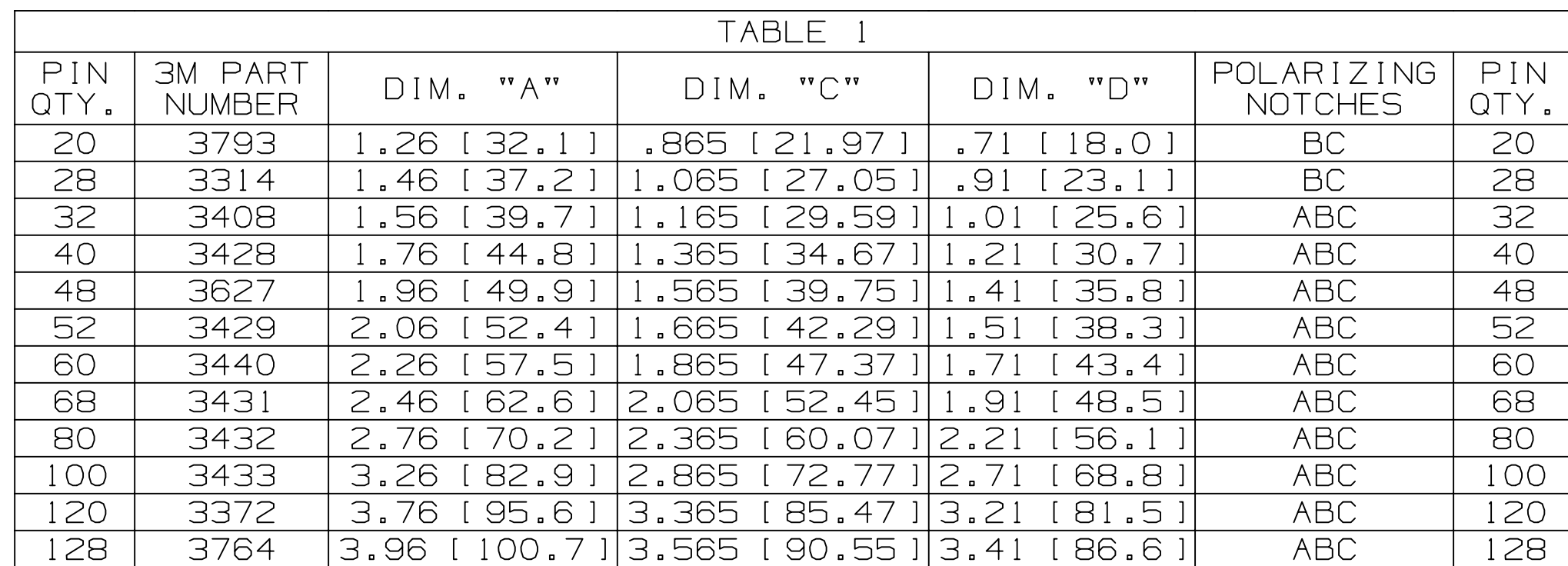
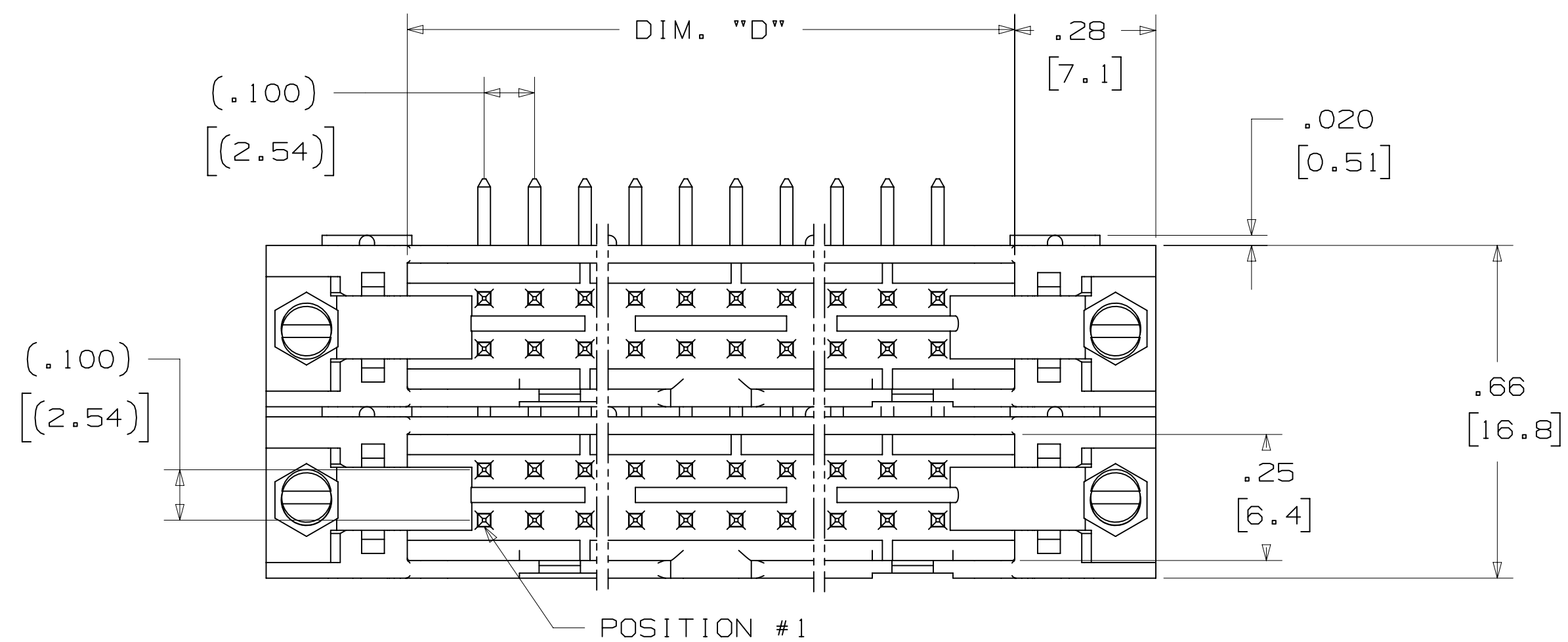
3 NOTCHES A & C WILL ACCOMODATE
3M POLARIZING KEY: N3518.

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
		REVISE ORDERING NUMBER				
J		56068	AUG 05, 2014		JNC	RS
		REVISED AND REDRAWN				
REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD	
DRFT	CASTIGLIONE		DATE AUG 05, 2014	MFG DATE	DATE	
CHKD			DATE	R. SCHERER SEP 05, 2014		
DESIGN REFERENCE		NEXT ASSEMBLY				
ADDRESS CODES						
DIVISION Interconnect Solutions		DIVISION CODE EMSD				
DO NOT SCALE DRAWING		SCALE 2 1		TOLERANCES EXCEPT AS NOTED		
		INCHES ± .00 ±.01 .0000 ±.005 .0000 ±				
THIRD ANGLE PROJECTION		MILLIMETERS ± .0 ±.3 .00 ±.13 .000 ±				
INTERPRET PER ASME Y14.5 - 2009						
MAX SURFACE ROUGHNESS Rz		MAX SURFACES ✓ ☐ MARKED ONLY				
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. D78-5100-0774-9				REV. K	
MODEL	3000 SERIES				DET. LISTS ☒ YES ☒ NO SHT 1 OF 3	

UL[®]
US
UL FILE NO: E68080

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



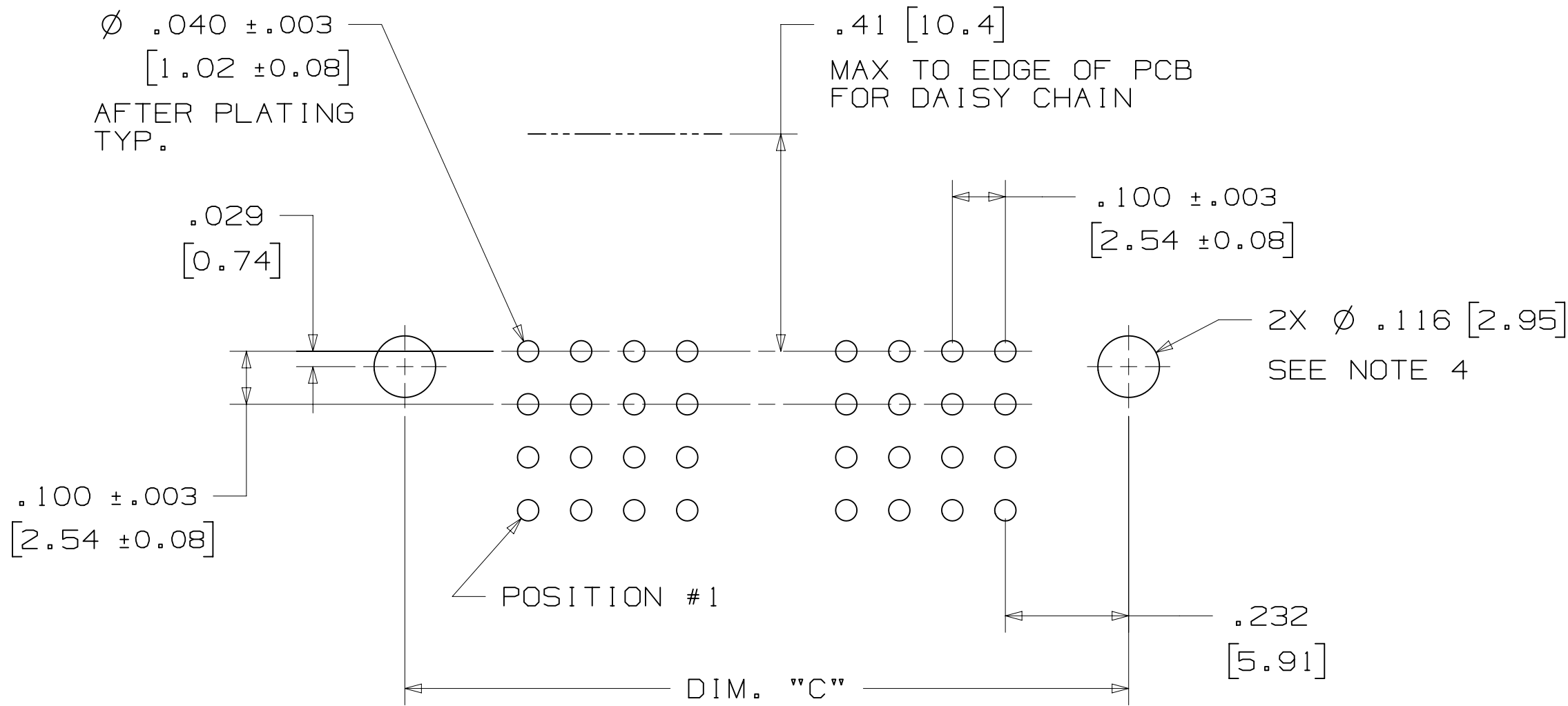
NOTE :
.112 [2.84] TAIL LENGTH SUITABLE FOR
.062 [1.57] THICK PC BOARD.

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 AUG 05, 2014	MFG	DATE	
CHKD		DATE	SIGN R. SCHERER	DATE SEP 05, 2014	
		3M Center St. Paul, MN 55144 © 2013 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		DRAWING NO.			REV.
D		78-5100-0774-9			K
MODEL		3000 SERIES DET. ☐ LISTS ☐ OYES ☒ NO 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

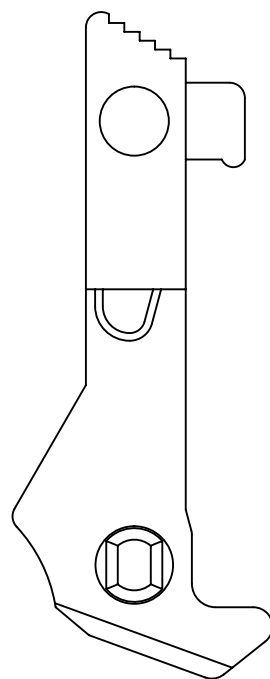
PART CUSTOMIZATION

THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

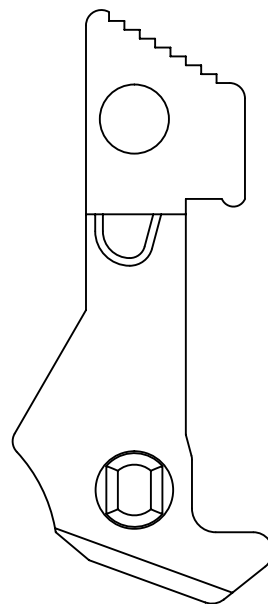
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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



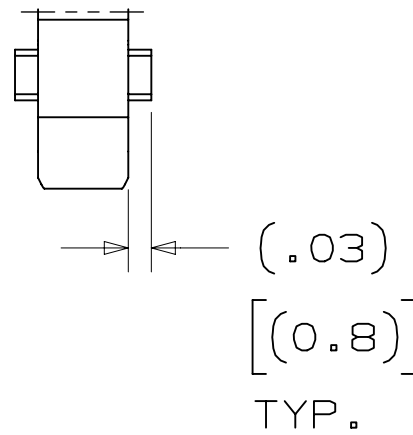
LONG



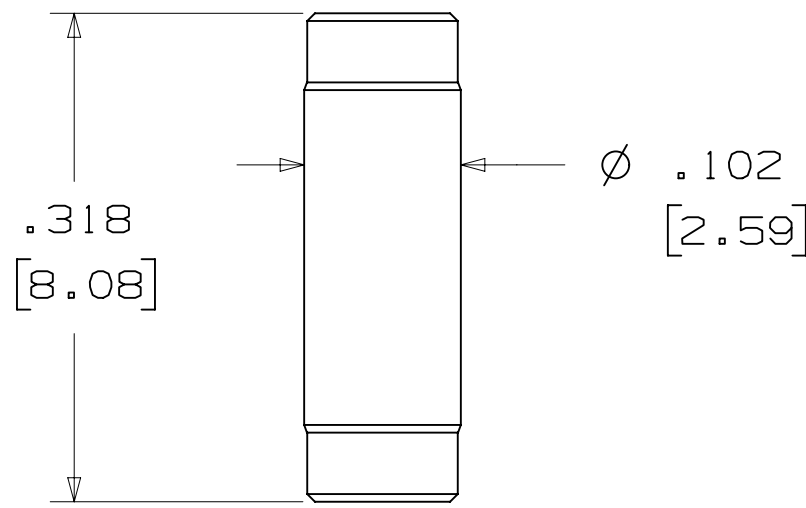
SHORT

SNAP-IN LATCHES

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



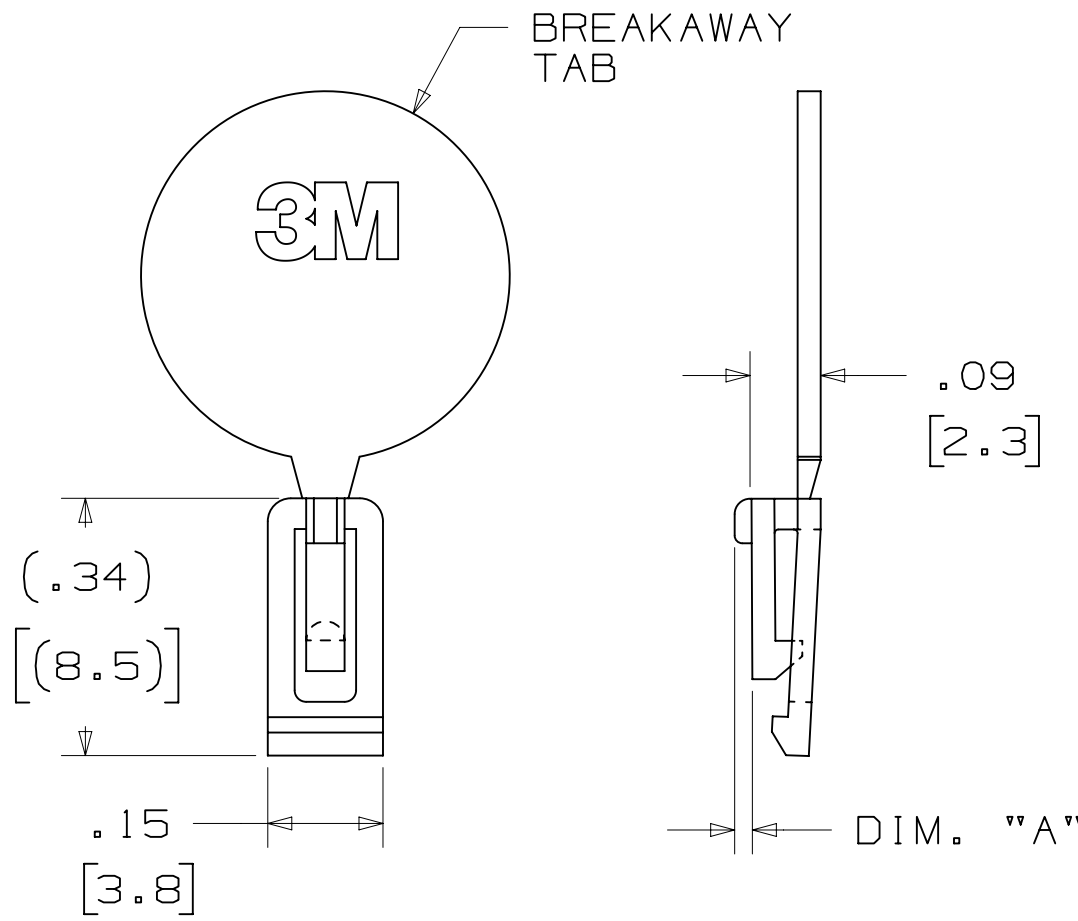
POLARIZING POST



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]

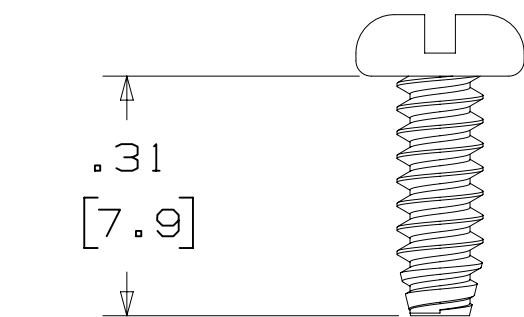
POLARIZING KEY



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

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

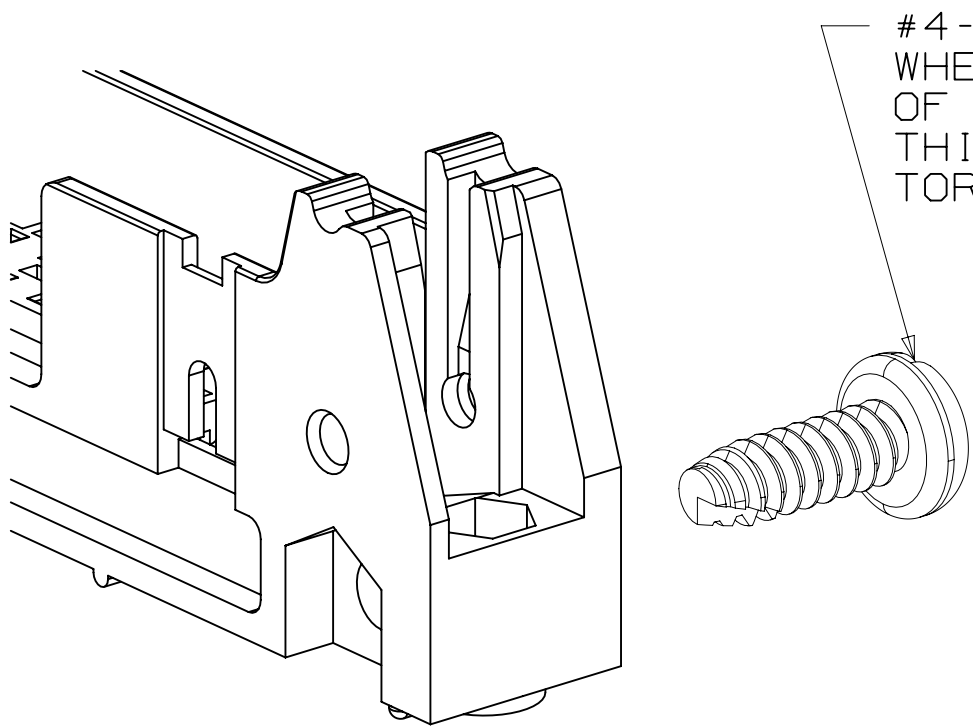
MOUNTING HARDWARE



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		CASTIGLIONE	ECO	AUG 05, 2014		DATE	DATE
DIVISION		DIVISION CODE		CHKD	DATE	APPR		DATE	DATE
Interconnect Solutions		EMSD		CHKD	DATE	R. SCHERER		SEP 05, 2014	SEP 05, 2014
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS	
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		SHT 3 OF 3	
MODEL		3000 SERIES		LISTS		YES		NO	