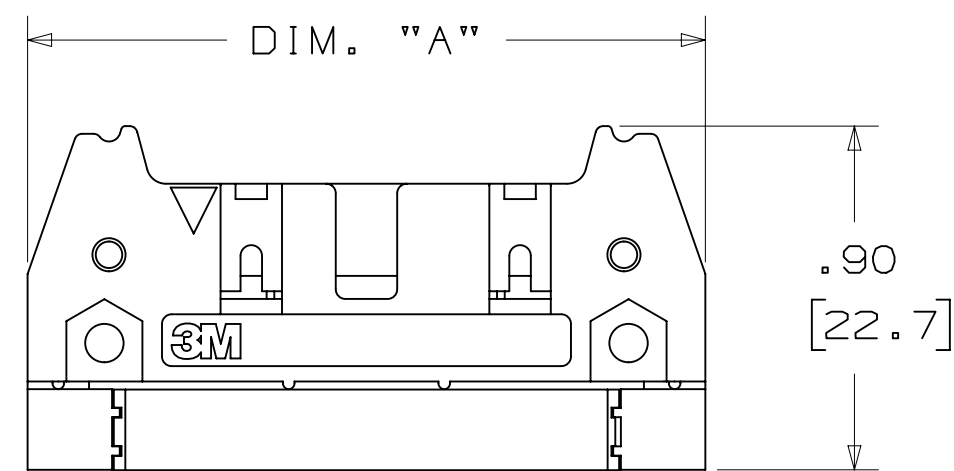
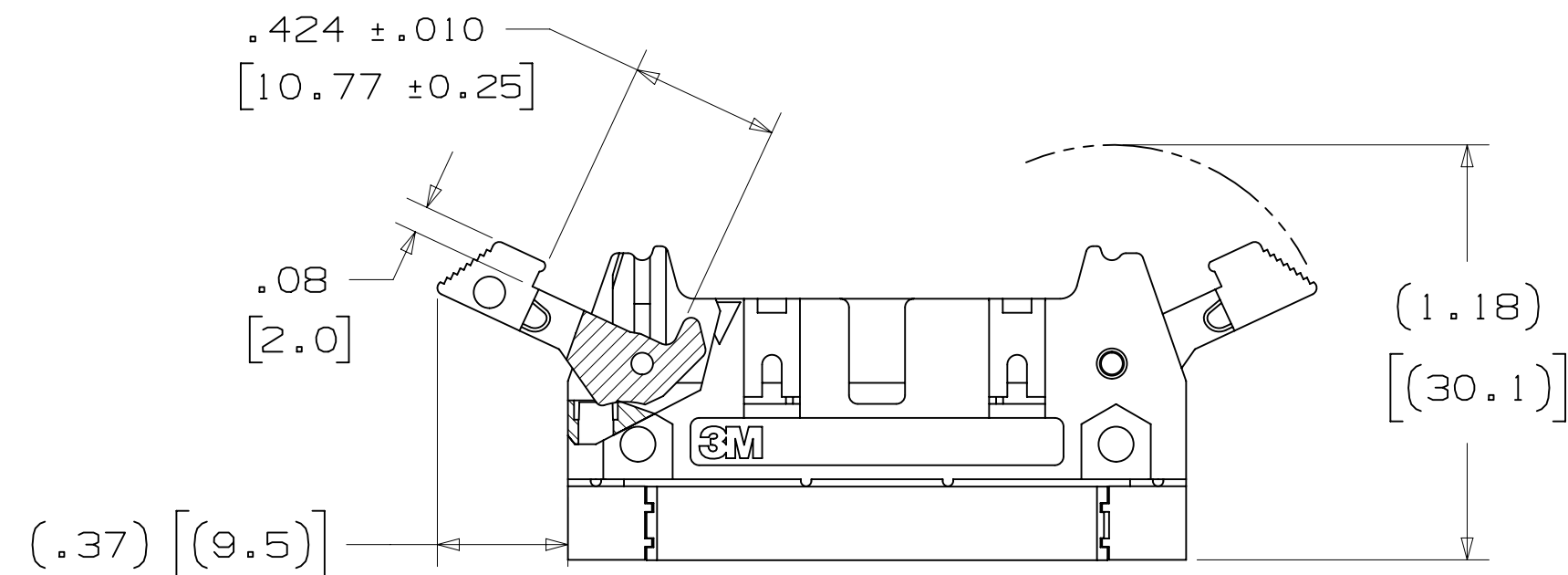


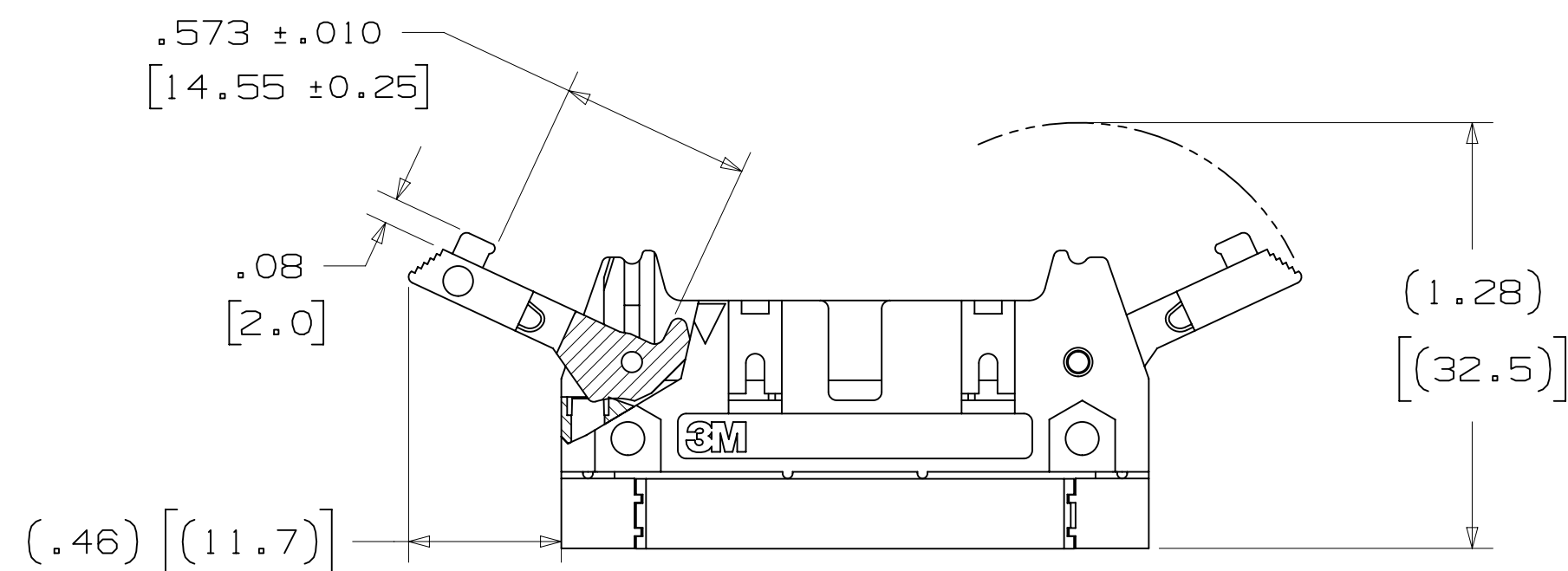
.100" X .100" LATCH/EJECTOR, RIGHT ANGLE



-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.

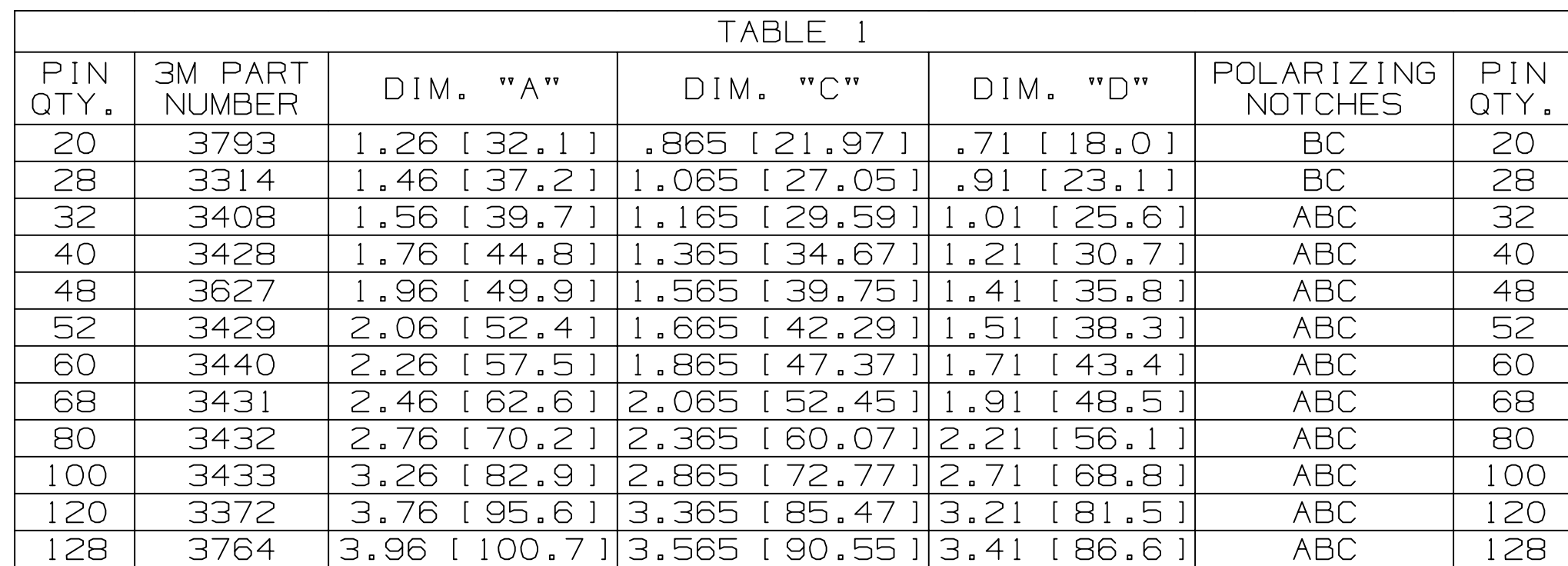
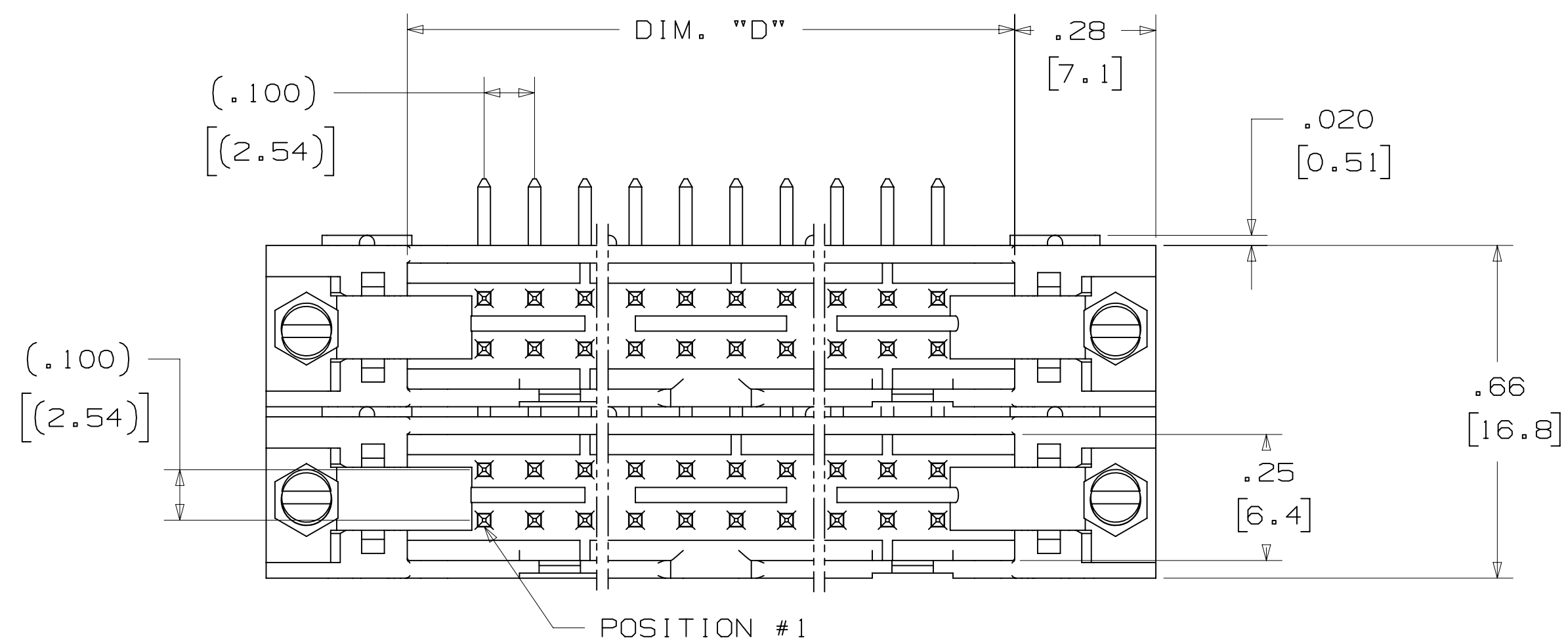
3 NOTCHES A & C WILL ACCOMODATE
3M POLARIZING KEY: N3518.

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		60056E	MAR 06 2015		JNC	RS
J		56068	AUG 05, 2014		JNC	RS
			REVISED AND REDRAWN			
DESIGN REFERENCE		NEXT ASSEMBLY				
ADDRESS CODES				DATE		CHKD
DRFT		CASTIGLIONE		DATE		DATE
CHKD				DATE		DATE
DIVISION		DIVISION CODE		DATE		
Interconnect Solutions		EMSD		R. SCHERER		
DO NOT SCALE DRAWING		SCALE 2 1		TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES		TITLE		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		HEADER, 4-WALL, CONDO, .100 X .100 LATCH/EJECTOR, RA		
MAX SURFACE ROUGHNESS		.0		CAGE NUMBER		
MIN SURFACES		.0000 ±		SIZE DRAWING NO.		
✓ □ MARKED ONLY		.0 ± .3		D78-5100-0774-9		
		.00 ± .13		REV.		
		.0000 ±		K		
		.0 ± .3		MODEL		
		.00 ± .13		3000 SERIES		
		.0000 ±		DET. LISTS		
		.0 ± .3		YES X NO		
		.00 ± .13		SHT 1 OF 3		
		.0000 ±				

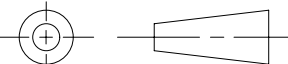
UL[®]
US
UL FILE NO: E68080

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

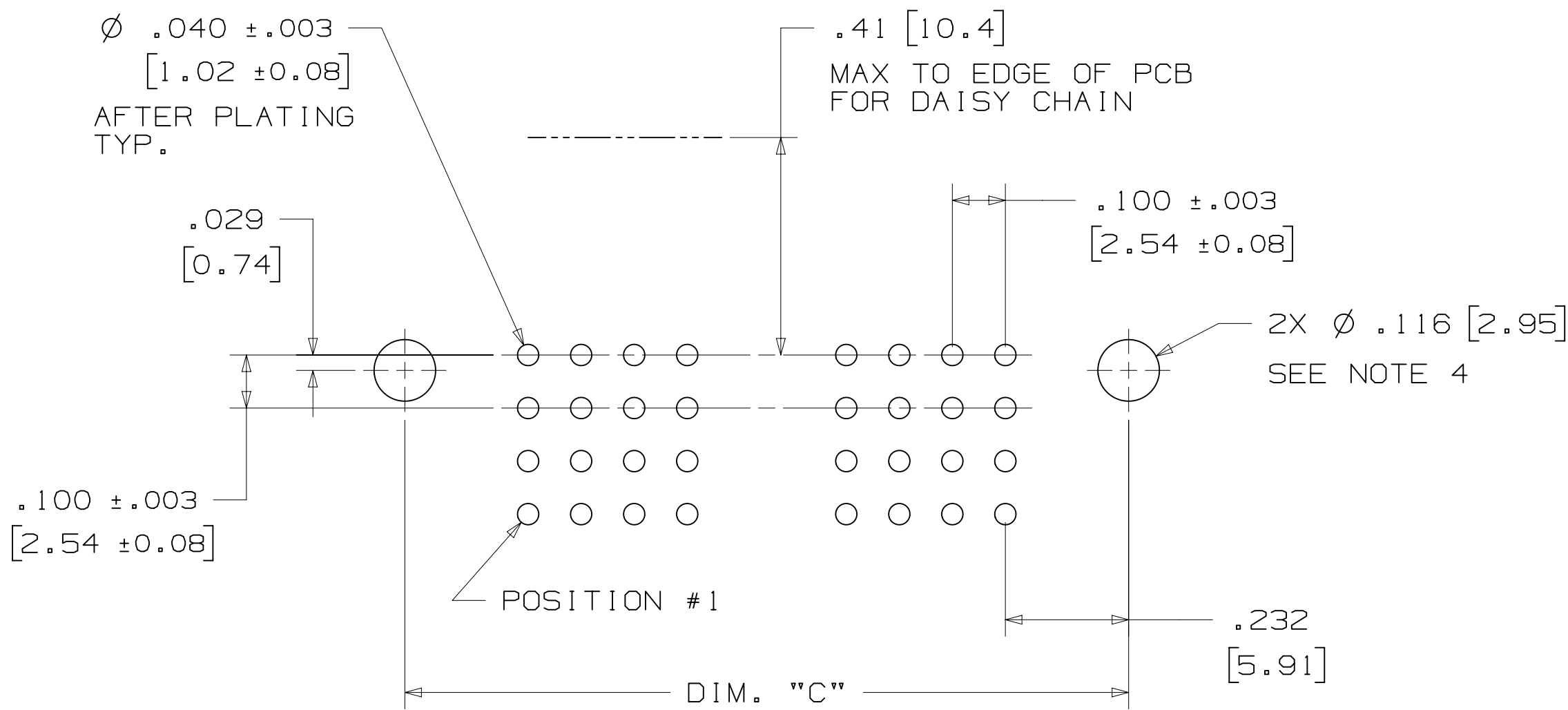


NOTE :
 .112 [2.84] TAIL LENGTH SUITABLE FOR
 .062 [1.57] THICK PC BOARD.

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		APPROV R. SCHERER		DATE SEP 05, 2014	
		© 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.			
3M Center St. Paul, MN 55144					
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 ☐ DYES ☒ NO SHT 2 OF 3	

DESIGN REFERENCE	NEXT	ASSEMBLY
ASSEMBLY CODES		
DIVISION	DIVISION CODE	
Interconnect Solutions	EMSD	
DO NOT SCALE DRAWING	SCALE $\frac{4}{1}$	TOLERANCE EXCEPT NOTED
	INCHES .00 ± .00 .000 ± .00 .0000 ± .00	
THIRD ANGLE PROJECTION	MILLIMETERS 0 ± .3 .00 ± .1	
INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS ✓ ☐ UNFINISHED SURFACES ☐ MARKED ONLY	
ANGLES		

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



RECOMMENDED MOUNTING HOLE PATTERN

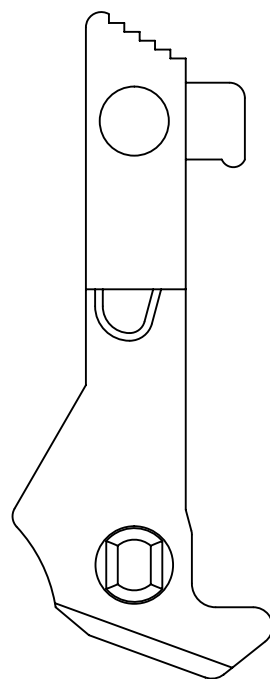
PART CUSTOMIZATION

THIS SPEC SHEET DETAILS OUR STANDARD OFFERING.

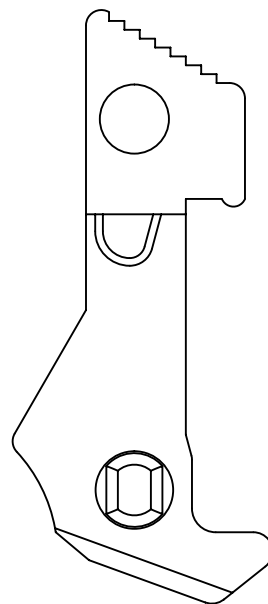
3M HAS SEVERAL CAPABILITIES THAT CAN PROVIDE A PART TAILORED TO YOUR SPECIFIC NEEDS. ASK YOUR 3M SALES REPRESENTATIVE OR CUSTOMER SERVICE FOR MORE DETAILS.

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.

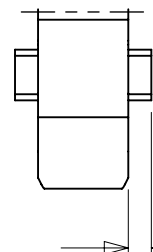
MATERIAL	SHORT LATCH	LONG LATCH	LATCH STYLE	COLOR
HIGH TEMP. (PCT)	N3505-2B	N3505-3B	ROLL PIN	BLACK
HIGH TEMP (PPA)	N3505-30B	N3505-31B	SNAP-IN	BLACK



LONG



SHORT

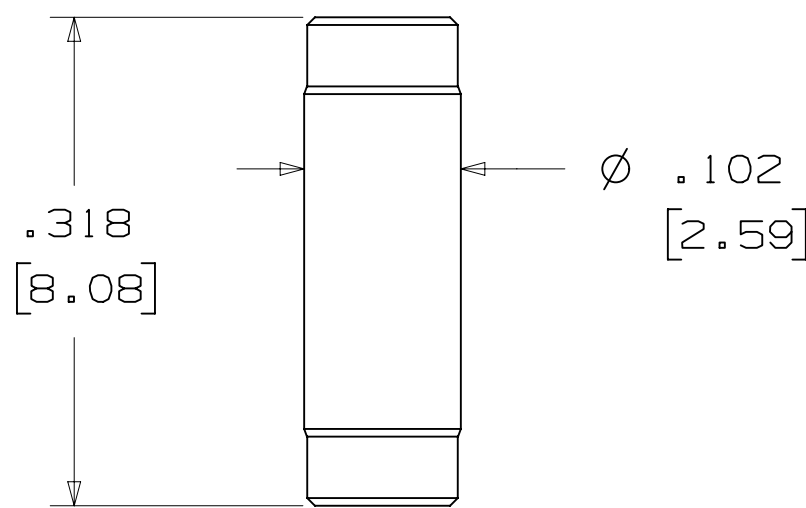


$.03$
[0.8]
TYP.

SNAP-IN LATCHES

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

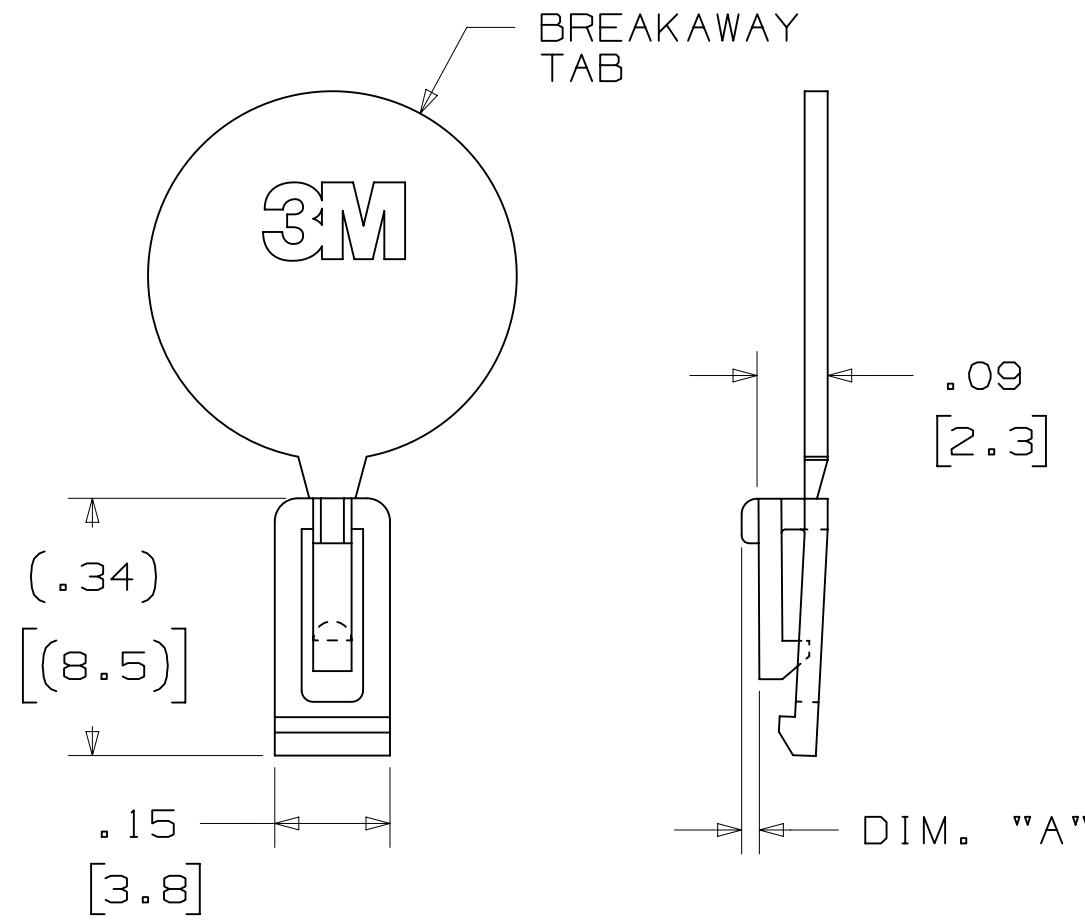
POLARIZING POST



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]

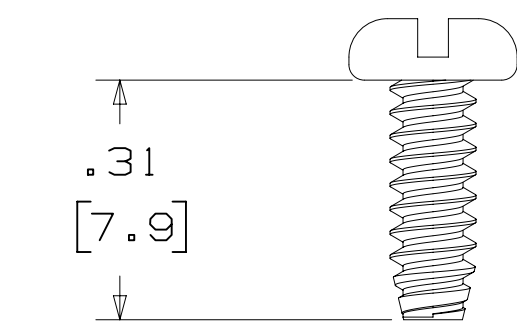
POLARIZING KEY



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

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

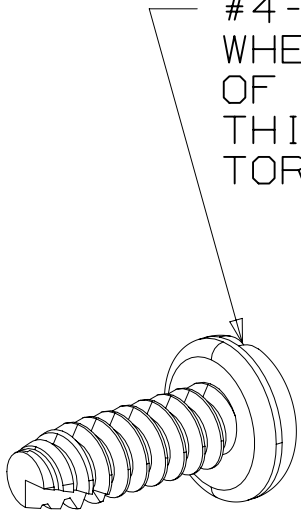
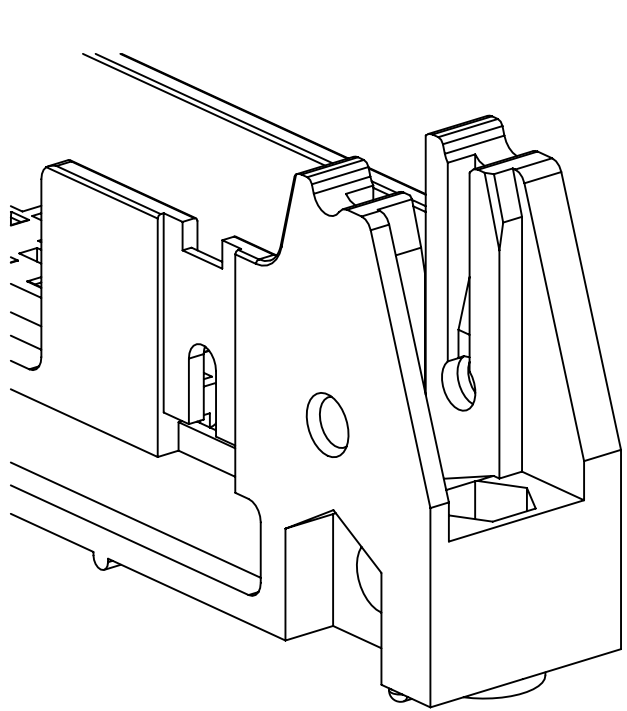
MOUNTING HARDWARE



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
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED	INCHES .00 $\pm$.01 .000 $\pm$.0005 .0000 $\pm$	MILLIMETERS 0 $\pm$.3 .00 $\pm$.13 .000 $\pm$	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS 12.5 SURFACES MARKED ONLY
3M	Interconnect Solutions	EMSD	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.	DET	YES	NO
78-5100-0774-9	K	3	3	3	3	3