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REVISIONS

EC	REV	DESCRIPTION	DATE
—	A	INITIAL RELEASE	04/15/04
0S1Q-0096-05	B	CHANGED CONNECTOR FROM DEDICATED TO MODULAR	03/28/05

7. MODULE INFORMATION

CONNECTOR	TYCO PART NUMBER	ELCON PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*		
SOCKET	1766640-1	278-1124-00200B	FP0200	12	8	12	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [2953]	250 VOLTS		
			FP0401	1	22	24	.64 [.025] SQ.	3 AMPERES	2.50 [0984]	125 VOLTS		
			FP0503	2	SYRAIGHT GUIDE PIN							
			FP0500	1	LEFT MOUNTING FLANGE							
			FP0501	1	RIGHT MOUNTING FLANGE							

*IAW IEC-950

NOTES: UNLESS OTHERWISE SPECIFIED.

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

2. MATERIALS:

INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR BLACK. UL94V-0 FLAMMABILITY RATED.

COMPLIANT SIGNAL PIN: PHOSPHOR BRONZE ALLOY.

POWER CONTACTS: PHOSPHOR BRONZE ALLOY, COPPER ALLOY.

CROWN BANDS: BERYLLIUM COPPER ALLOY.

GUIDE PIN: BRASS COPPER ALLOY.

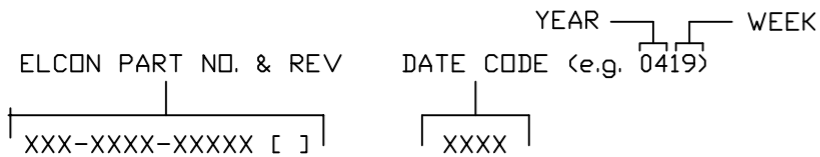
3. FINISHES:

CONTACTS: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0, .000030" MIN. THK, OVER NICKEL PER QQ-N-290, CLASS 2, .000040" MIN. THK. SOLDER TAILS, TIN/LEAD (90/10) PER ASTM B 545, .000100" MIN. THICK.

GUIDE PIN: NICKEL PLATED PER AMS 2404.

4. MOUNTING FLANGES ACCEPT M3 OR #4-40 SCREWS, (USER SUPPLIED).

5. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:



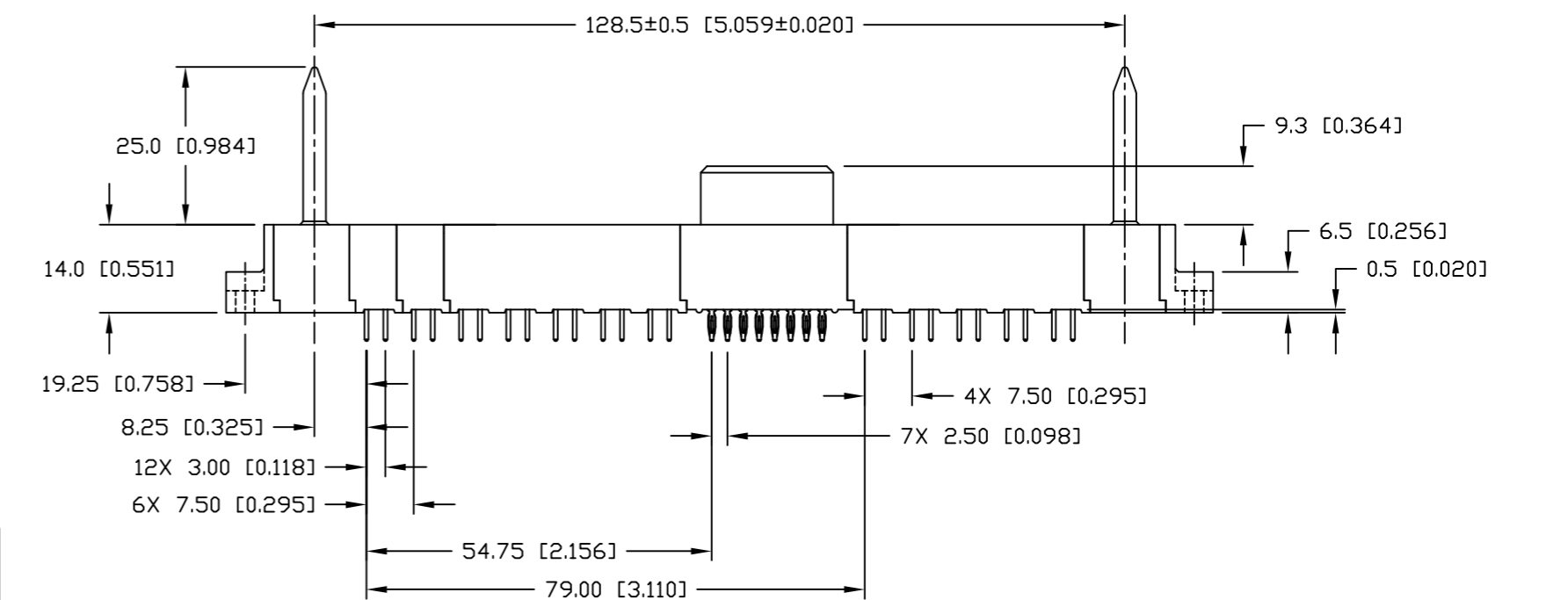
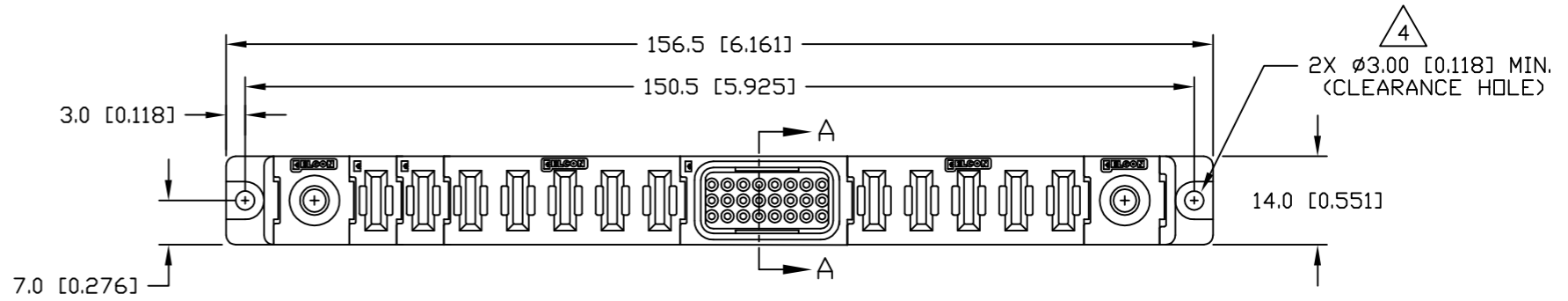
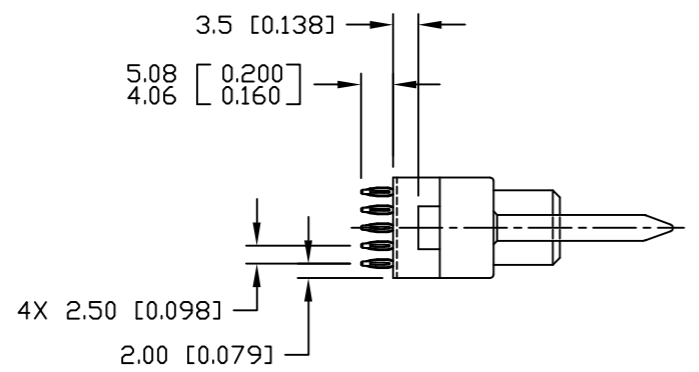
6. THIS CONNECTOR MATES WITH PIN CONNECTOR PN 479-1124-00100.

<p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</p> <p>TOLERANCES</p> <p>ANGLES ± .5°</p> <p>DECIMALS</p> <p>.XX ± .25 [.010]</p> <p>.X ± .5 [.020]</p>	<p>MM OR MM [INCH]</p> <p>INCH</p>	<p>DRAWN</p> <p>R. F. A.</p>	<p>DATE</p> <p>11/05/02</p>	<p>tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025</p> <p>ELCON</p>	
	<p>CHECKED</p>		<p>TITLE</p> <p>SOCKET CONNECTOR, FLATPAQ STRAIGHT, COMPLIANT TAILS PN: 278-1124-00200B</p>		
	<p>APPROVED</p>		<p>SIZE DWG NUMBER</p> <p>B C = 1766640</p>		
	<p>APPROVED</p> <p>D. CHAU</p> <p>03/30/05</p>		<p>REV.</p> <p>B</p>		
	<p>DCA APPROVED</p> <p>M. ALIM</p> <p>03/31/05</p>		<p>ACAD FILE NUMBER C1766640B.DWG</p> <p>DWG SCALE 1=1 SH 1 OF 3</p>		

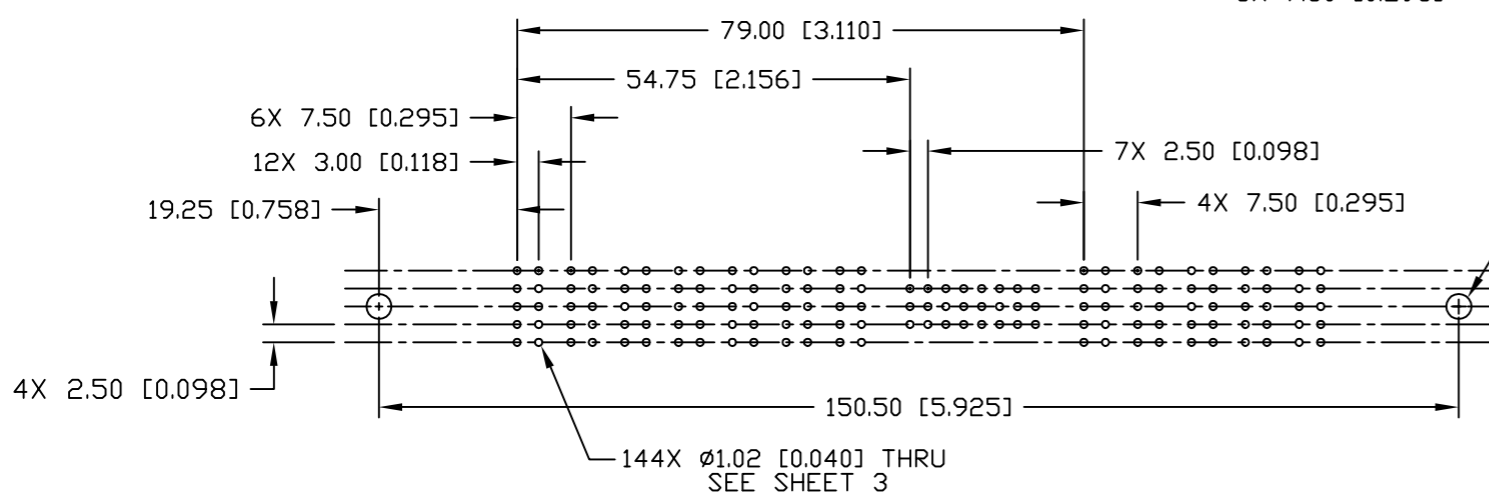
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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

B



A



PRINTED CIRCUIT LAYOUT

144X Ø1.02 [0.040] THRU
SEE SHEET 3

MM INCH THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [0.010] .X ± .5 [0.020]	DRAWN R. F. A. CHECKED	DATE 11/05/02	Tyco Electronics Corporation Menlo Park, Ca 94025
	APPROVED D. CHAU APPROVED M. ALIM ACAD FILE NUMBER C1766640B.DWG	DATE 03/30/05 DATE 03/31/05	
	SIZE B	DWG NUMBER C = 1766640	REV. B
		DWG SCALE 1=1	SH 2 OF 3

4

3

2

1

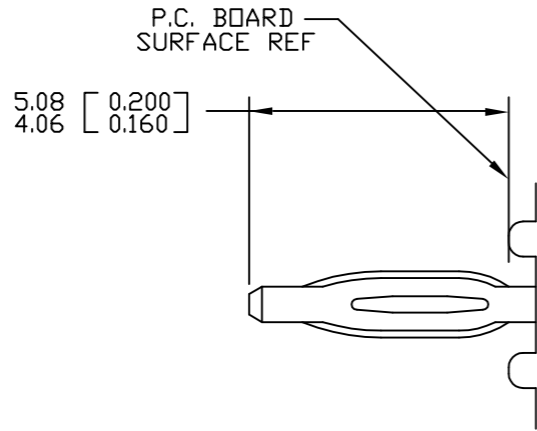
A

B

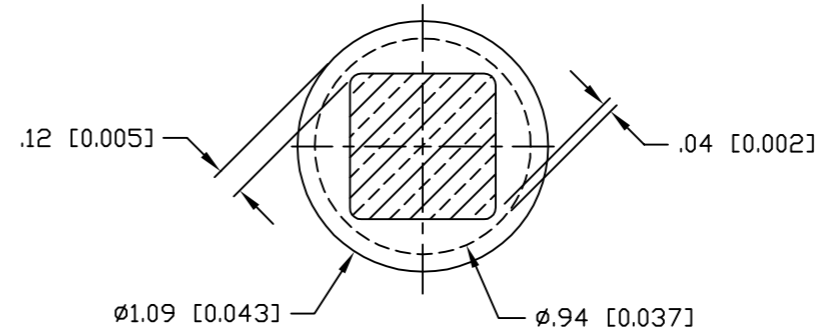
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REVISIONS

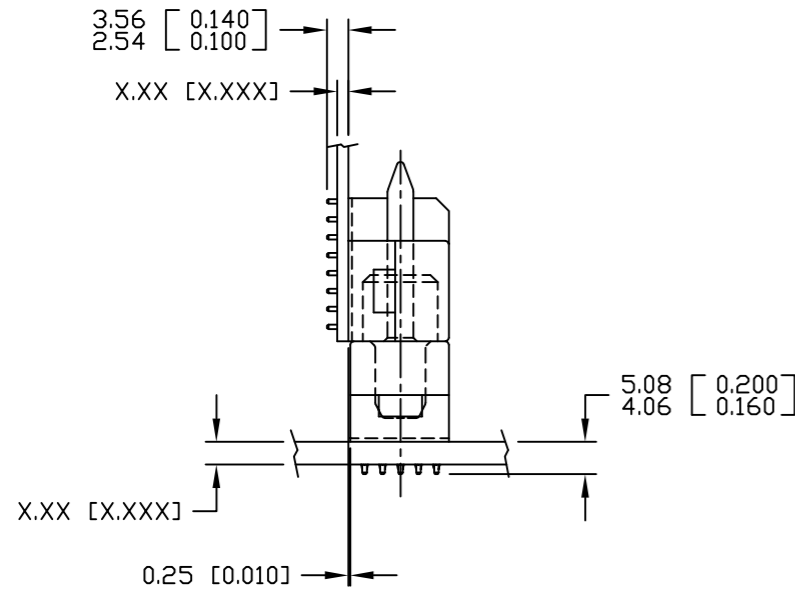
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



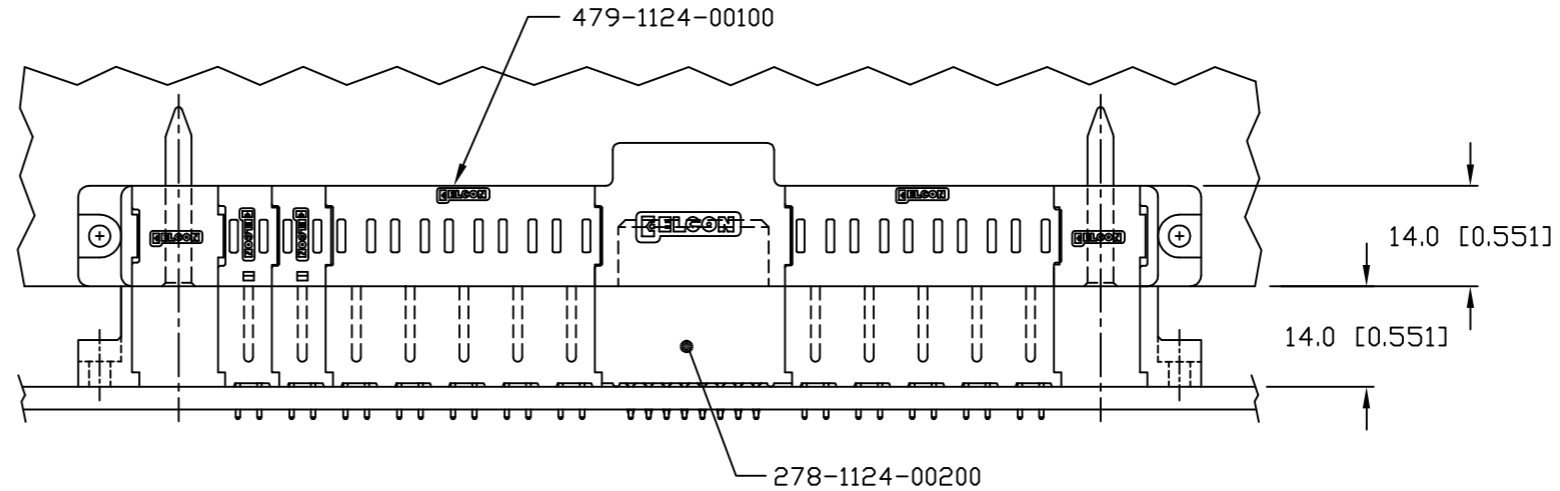
COMPLIANT PIN DETAIL
 INSERTION/EXTRACTION FORCES
 MAXIMUM PUSH-IN: 133.3N PER PIN [30 LBS]
 MINIMUM PUSH-OUT: 44.4N PER PIN [10 LBS]



SOLDER TERMINATION AREA
 RECOMMENDED PRINTED CIRCUIT HOLE
 FINISHED HOLE: $\phi 1.02 [0.040] \pm .08 [0.003]$
 DRILLED HOLE: $\phi 1.15 [0.0453] \pm .013 [0.0005]$
 COPPER PLATE: .025 [0.0010] MINIMUM (PER SURFACE)
 TIN PLATE: .008 [0.0003] MINIMUM (PER SURFACE)



MATED CONDITION



MM INCH THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES $\pm .5^\circ$ DECIMALS .XX $\pm .25 [0.010]$.X $\pm .5 [0.020]$	DRAWN R. F. A. CHECKED	DATE 11/05/02	 Tyco Electronics Corporation Menlo Park, Ca 94025 		
	APPROVED D. CHAU	APPROVED M. ALIM	DATE 03/30/05 03/31/05	TITLE USER INFORMATION COMPLIANT TAIL TERMINATION AND MATED CONDITION	
	ACAD FILE NUMBER C1766640B.DWG	DWG NUMBER B C = 1766640	REV. B	SIZE B	DWG SCALE 1=1 SH 3 OF 3