

LOC		DIST		REVISIONS				
P	LTR	DESCRIPTION			DATE	DWN	APVD	
		A			NEW RELEASE	09JUL2007	RG	PD

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

2. MATERIAL:
INSULATORS - THERMOPLASTIC, GLASS REINFORCED, COLOR: BLACK
UL94V-0 FLAMMABILITY RATED.
SIGNAL CONTACTS: PHOSPHOR BRONZE ALLOY
POWER CONTACTS - PHOSPHOR BRONZE ALLOY, COPPER ALLOY
CROWN BANDS: BERYLLIUM COPPER ALLOY

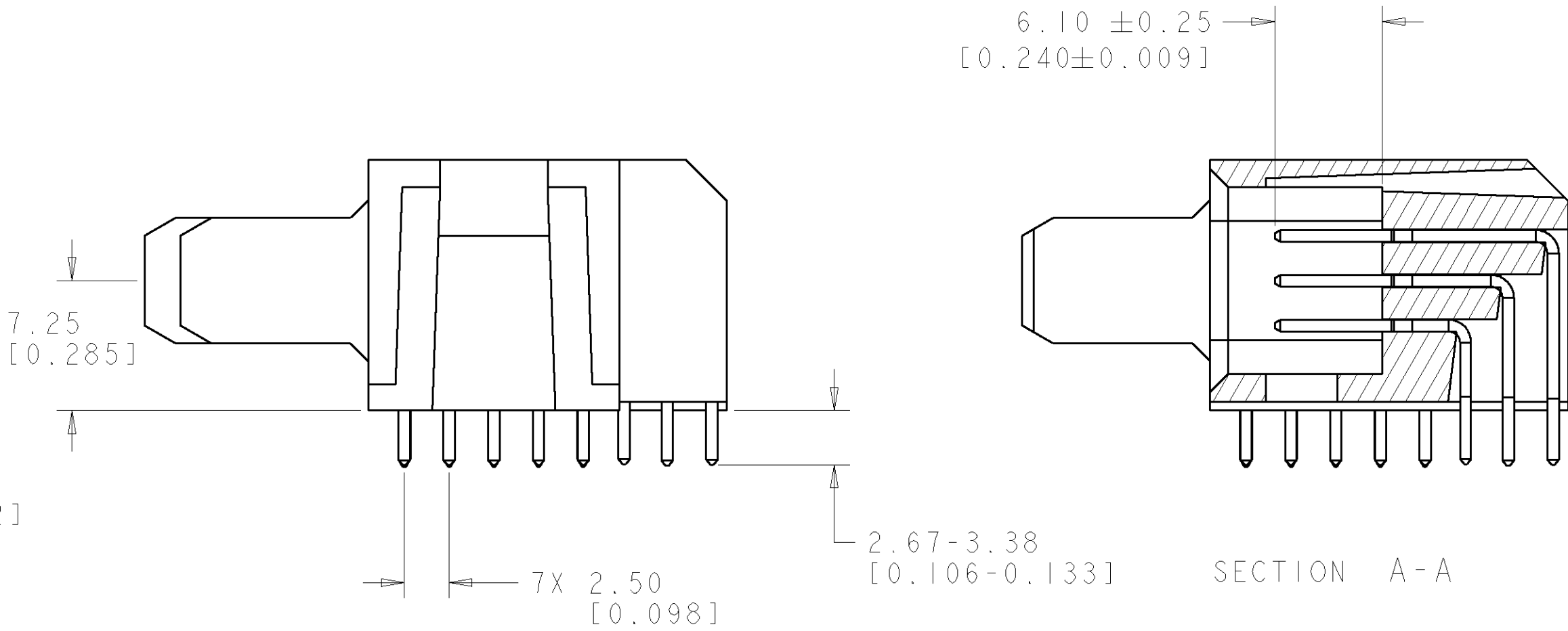
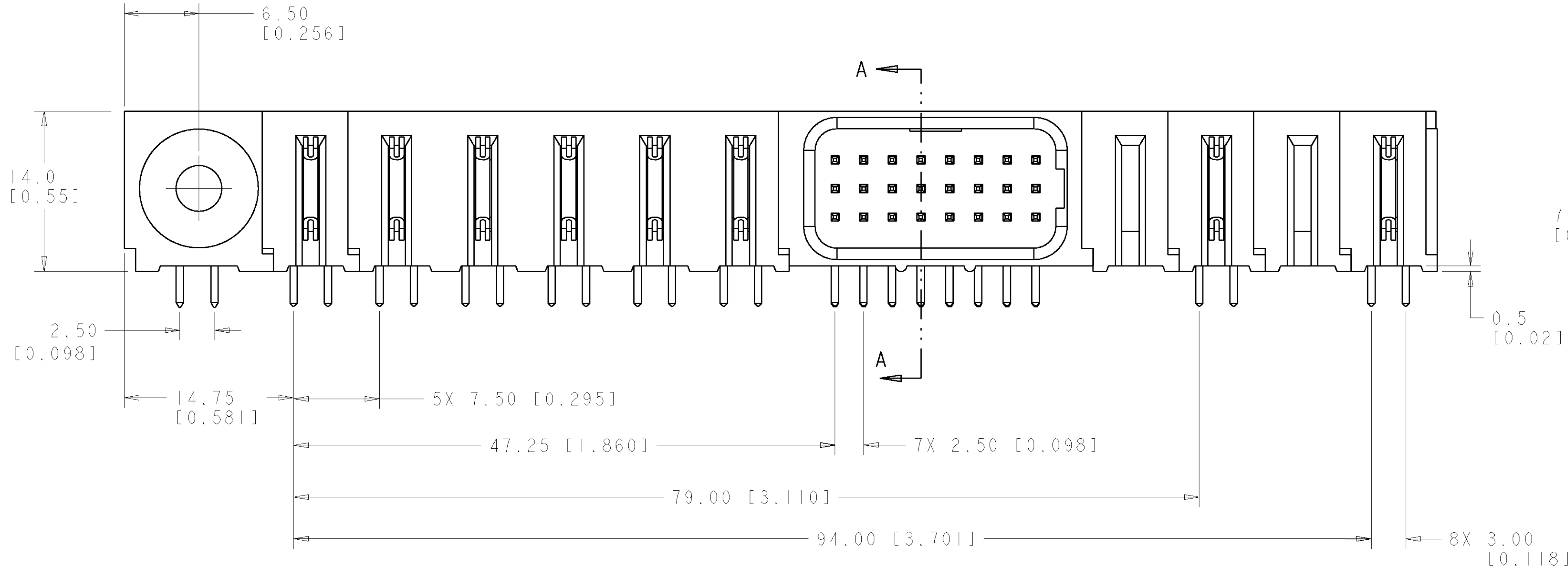
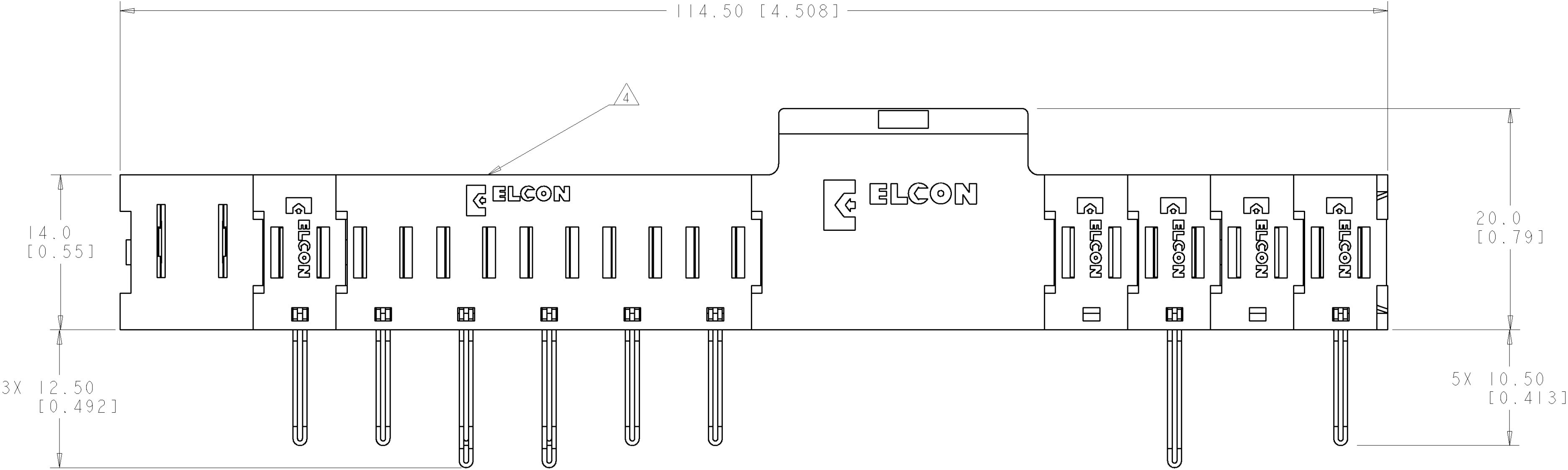
3. FINISH:
CONTACTS - GOLD PLATE 0.76µm MIN. THK., OVER
NICKEL 1.27µm MIN. THK.
SOLDER TAILS, TIN 3.05µm MIN. THK. OVER
NICKEL 1.27µm MIN. THK.

△ ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER LABEL

YEARWEEK

TYCO ELECTRONICS P/NDATE CODE (e.g. 0106)

XXXXXXXX-XXXXX

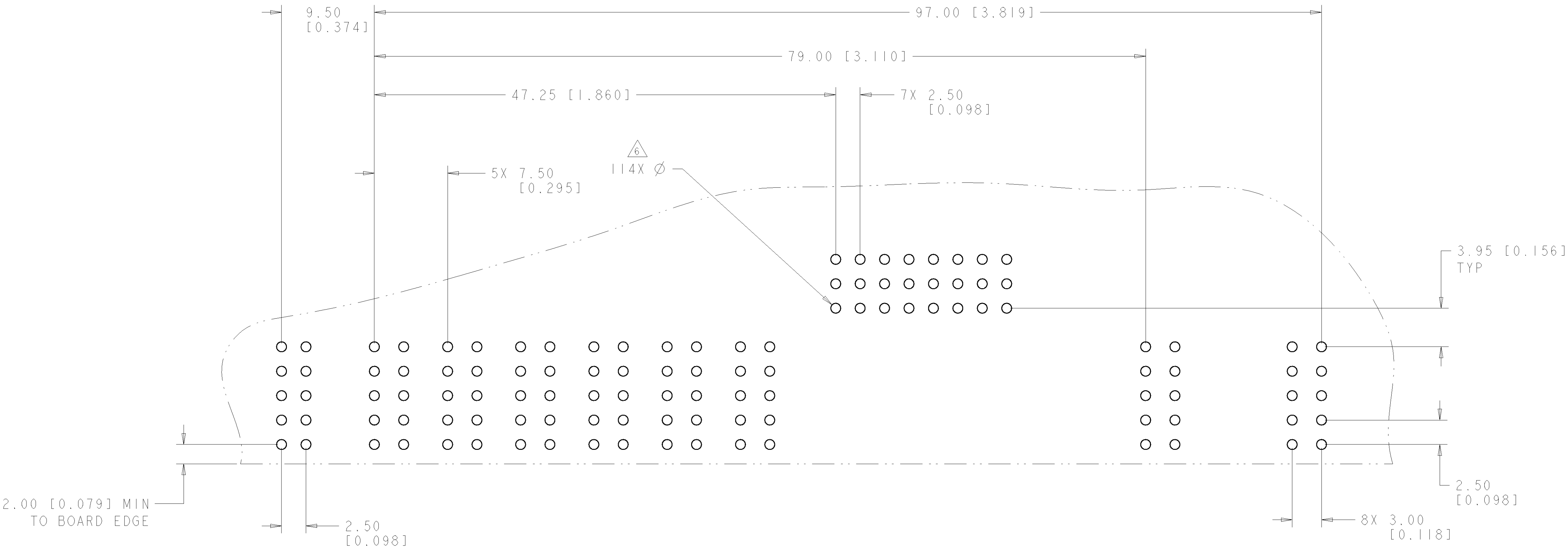


ELCON

FLATPAQ

AS SHOWN		1766717-1	
DESCRIPTION		PART NUMBER	
Tyco Electronics		Tyco Electronics Harrisburg, PA 17105-3608	
NAME		PIN CONNECTOR ASSEMBLY RIGHT ANGLE SOLDER TAILS	
SIZE		CAGE CODE	
DRAWING NO		RESTRICTED TO	
A100779		C=1766717	
CUSTOMER DRAWING		SCALE	
3:1		SHEET	
1		OF 3	
REV		A	

LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

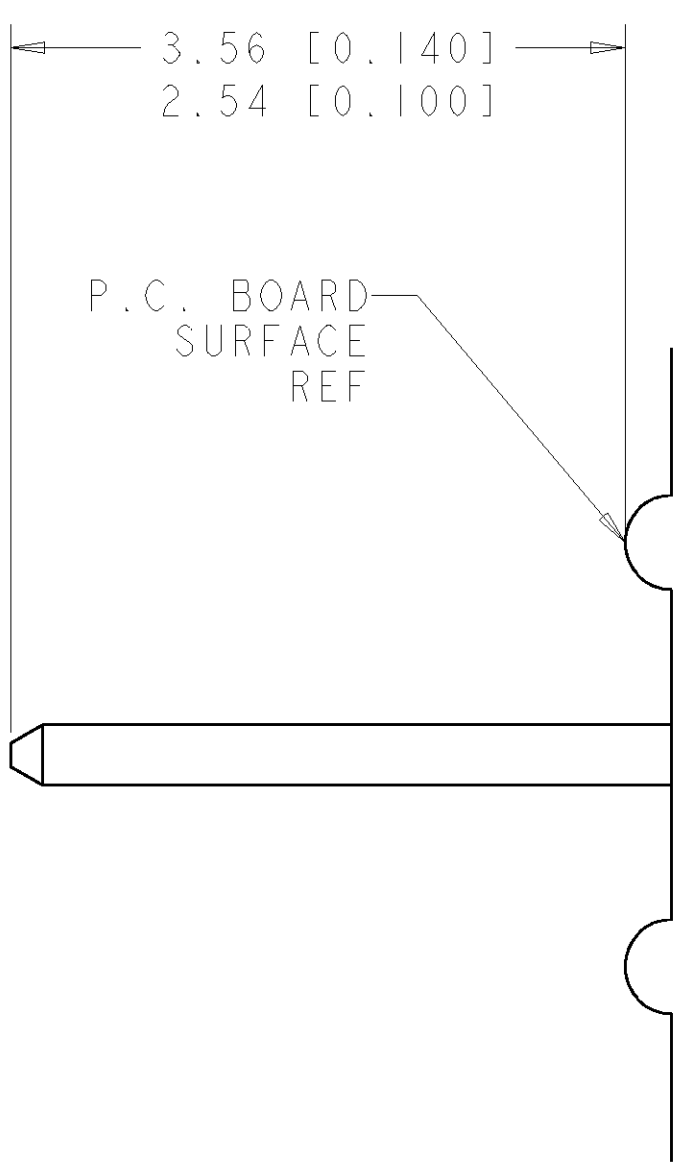


PRINTED CIRCUIT LAYOUT
COMPONENT SIDE

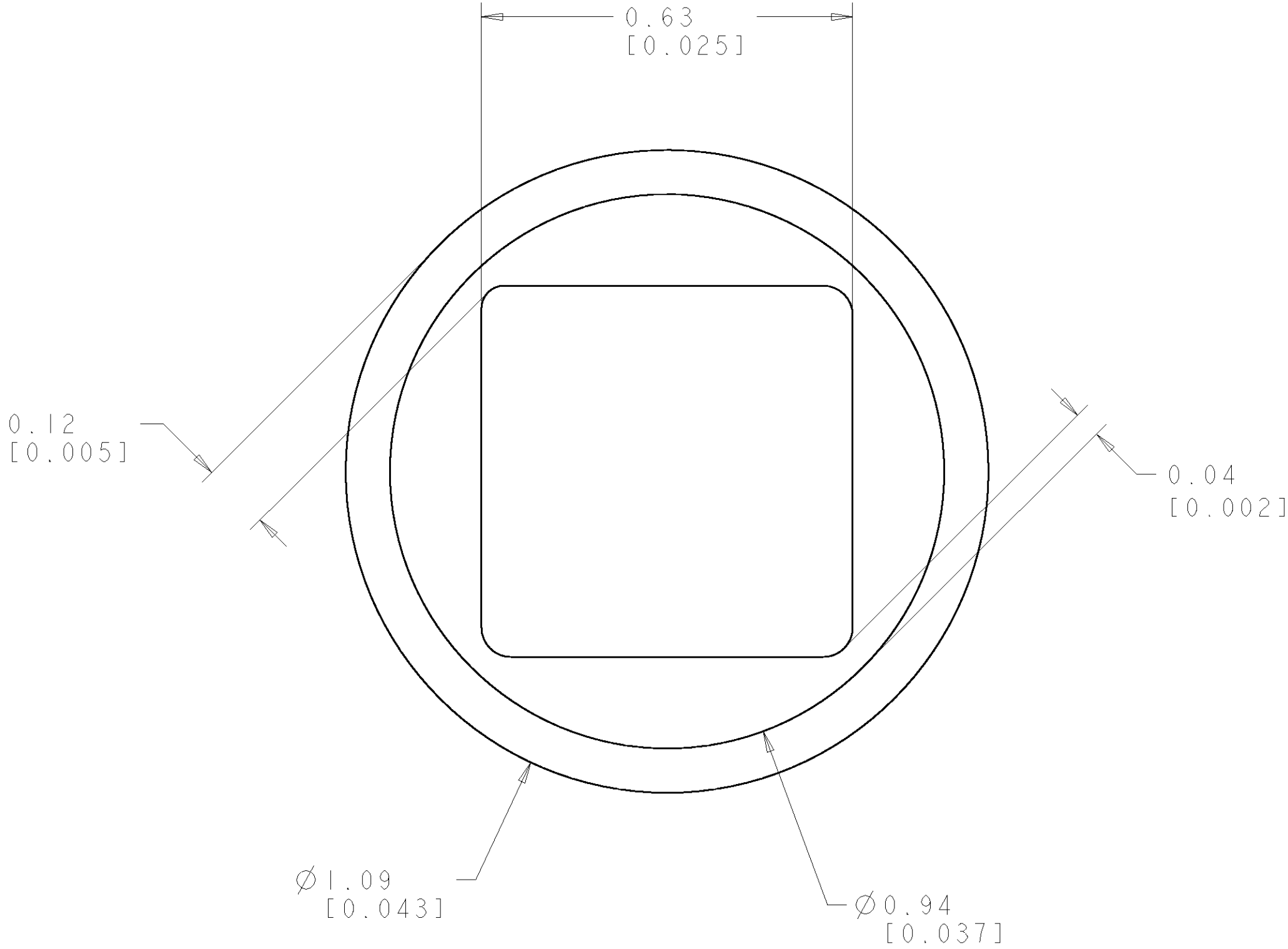
CONNECTOR	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING
PIN	FP302	1	22	24	.64 [.025] SQ.	3 amps	2.50 [.0984]	125
	FPI52	3	8	3	1.25 X 7.00 [.049 X .276]	35 amps	7.50 [.2953]	250
	FPI51	5	8	5	1.25 X 7.00 [.049 X .276]	35 amps	7.50 [.2953]	250
	FP512	2	SPACER					
	FP516	1	RIGHT ANGLE GUIDE SOCKET					

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DIMENSIONS: mm [INCHES]		CHK P. DAMATO 09JULY07	NAME PIN CONNECTOR ASSEMBLY RIGHT ANGLE SOLDER TAILS	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD S. FLICKINGER 09JULY07	SIZE A100779C=1766717	
9 PLC ±.5 [.020] 1 PLC ±.5 [.020] 2 PLC ±.25 [.010] 3 PLC ±.25 [.010] 4 PLC ±.5 ANGLES ±.5		PRODUCT SPEC APPLICATION SPEC	RESTRICTED TO	
MATERIAL -		WEIGHT -	SCALE 3:1	
FINISH -		CUSTOMER DRAWING	SHEET 2 OF 3	
			REV A	

LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-



5. SOLDER PIN DETAIL
SCALE 10 : 1



SOLDER TERMNIATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT HOLE
FINISHED HOLE: Ø1.02 [0.040]±.08 [0.003]
DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]
COPPER PLATE: .025 [0.0010] MIN (PER SURFACE)
TIN PLATE: .008 [0.0003] MIN. (PER SURFACE)

<div>THE DIMENSIONS & TOLERANCES SHOWN ON THIS DRAWING ARE CONSIDERED TO BE THE DIMENSIONS & TOLERANCES OF THE PARTS MANUFACTURED BY THE SUPPLIER. THE DIMENSIONS & TOLERANCES OF THE PARTS MANUFACTURED BY THE SUPPLIER SHALL BE THE RESPONSIBILITY OF THE SUPPLIER. THE DIMENSIONS & TOLERANCES OF THE PARTS MANUFACTURED BY THE SUPPLIER SHALL BE THE RESPONSIBILITY OF THE SUPPLIER.</div>		DWN R. GRZYBOWSKI	09JULY07	<div> Tyco Electronics Harrisburg, PA 17105-3608</div>	
		CHK P. DAMATO	09JULY07		
		APVD S. FLICKINGER	09JULY07		
		PRODUCT SPEC			
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME PIN CONNECTOR ASSEMBLY RIGHT ANGLE SOLDER TAILS	
		0 PLC	±	SIZE	
		1 PLC	±.5 [0.020]	CAGE CODE	
		2 PLC	±.25 [0.010]	DRAWING NO	
		3 PLC	±	RESTRICTED TO	
MATERIAL		4 PLC	±	A100779C=1766717	
FINISH		ANGLES	± 5	SCALE 3:1	
CUSTOMER DRAWING		WEIGHT	-	SHEET 3 OF 3	
		REVISIONS	-	REV A	

Mouser Electronics

Authorized Distributor

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[1766717-1](#)