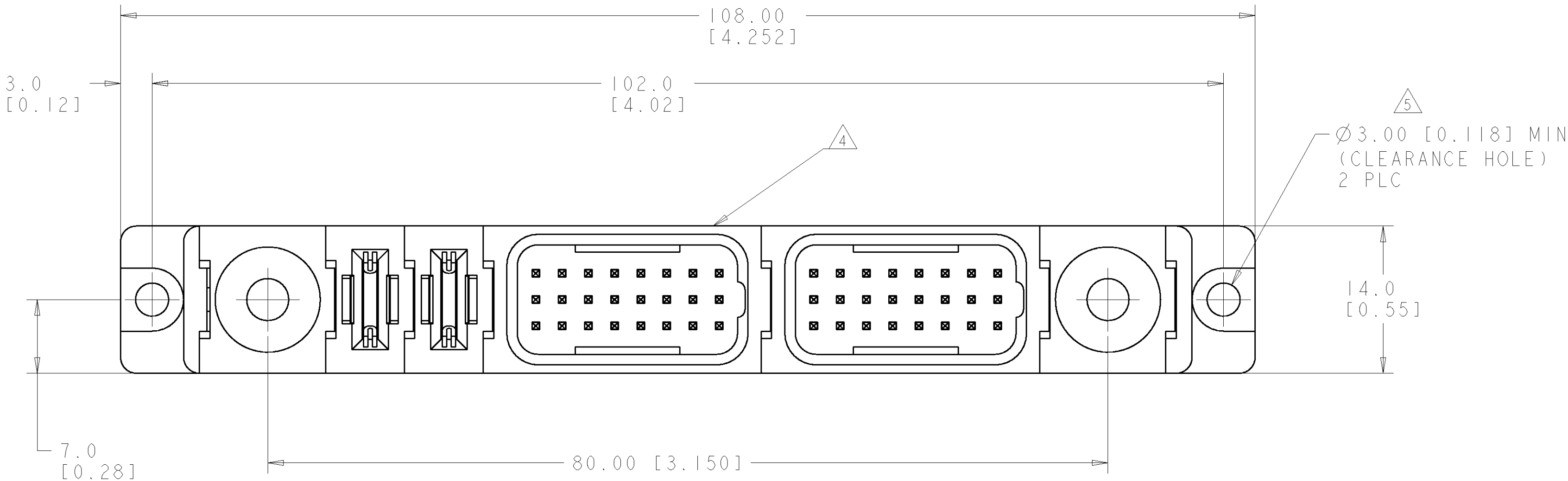


LOC		DIST		REVISONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
GP	00	A	RELEASED	13SEP2006	RG	MP	



- PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TYCO APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
- MATERIAL:
INSULATORS - THERMOPLASTIC, GLASS REINFORCED,
COLOR: BLACK, UL94V-0 FLAMMABILITY RATED.
POWER CONTACTS - PHOSPHOR BRONZE ALLOY,
COPPER ALLOY
SOLDER SIGNAL PINS-BRASS ALLOY
CROWN BAND-BERYLLIUM COPPER ALLOY
- FINISH:
CONTACTS - GOLD PLATE .000030" MIN. THK., OVER NICKEL
.000050" MIN. THK
SOLDER TAILS, TIN .000100" MIN. THK.
OVER NICKEL .000050" MIN THK.

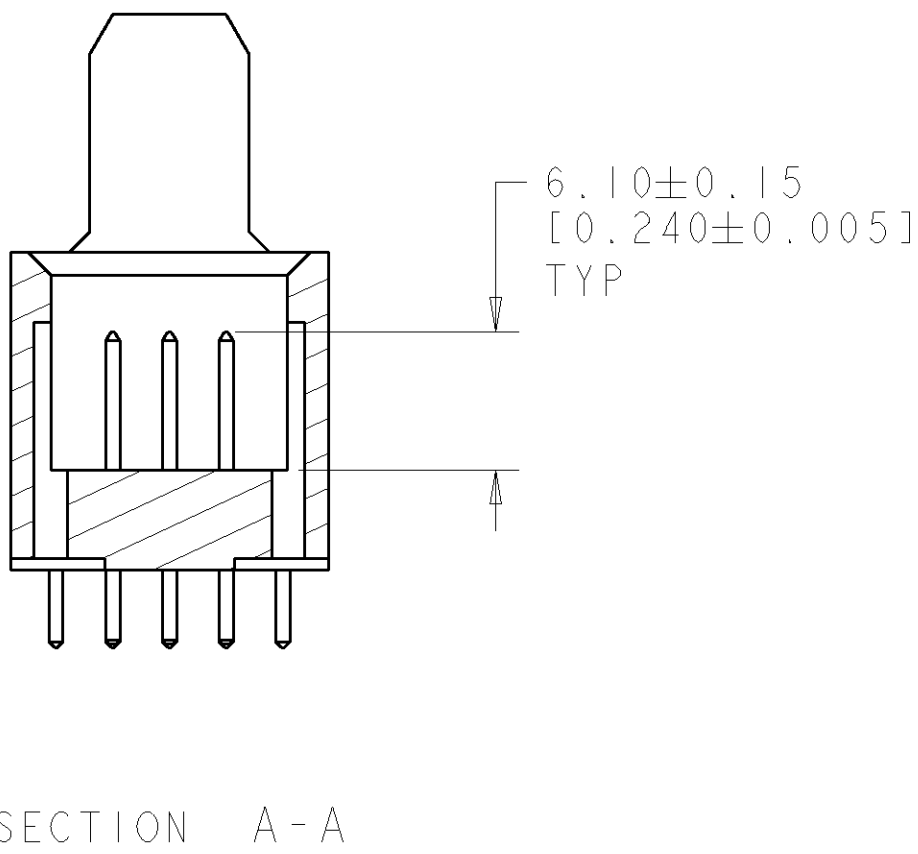
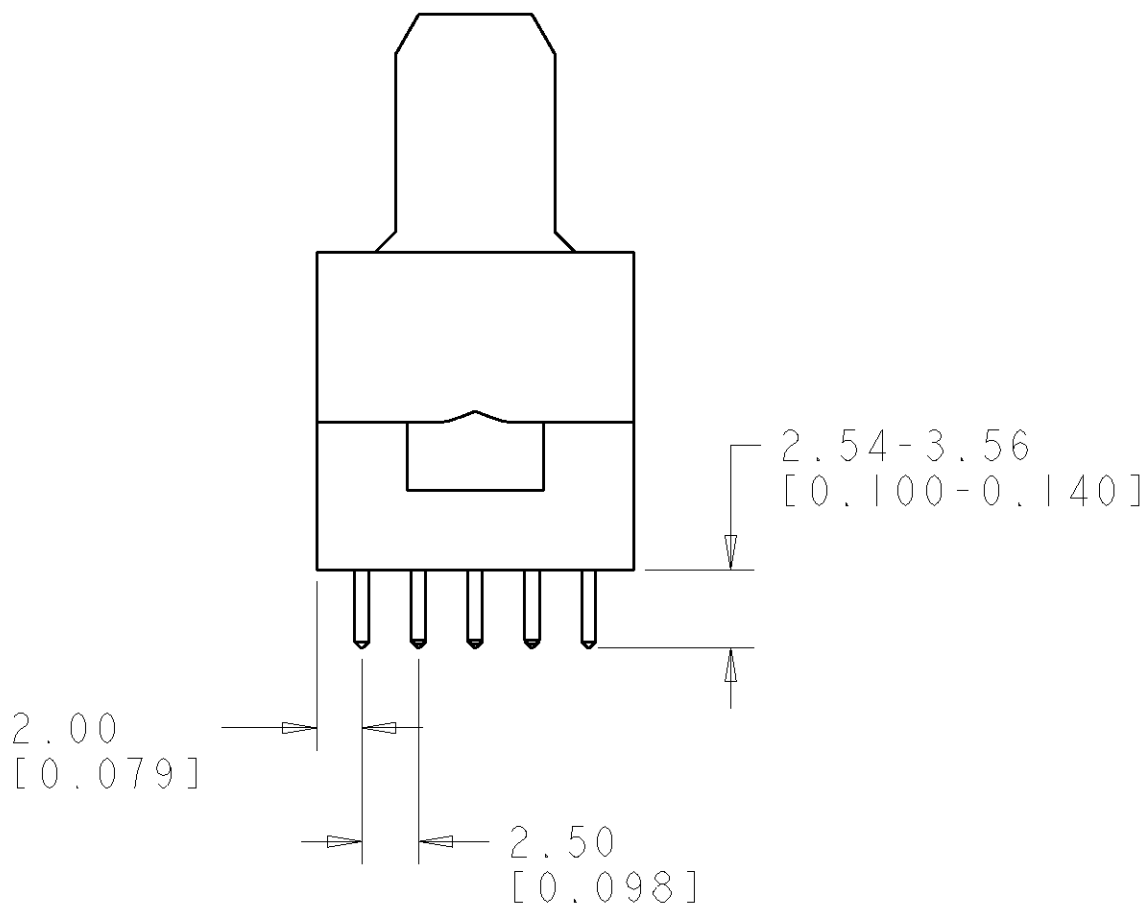
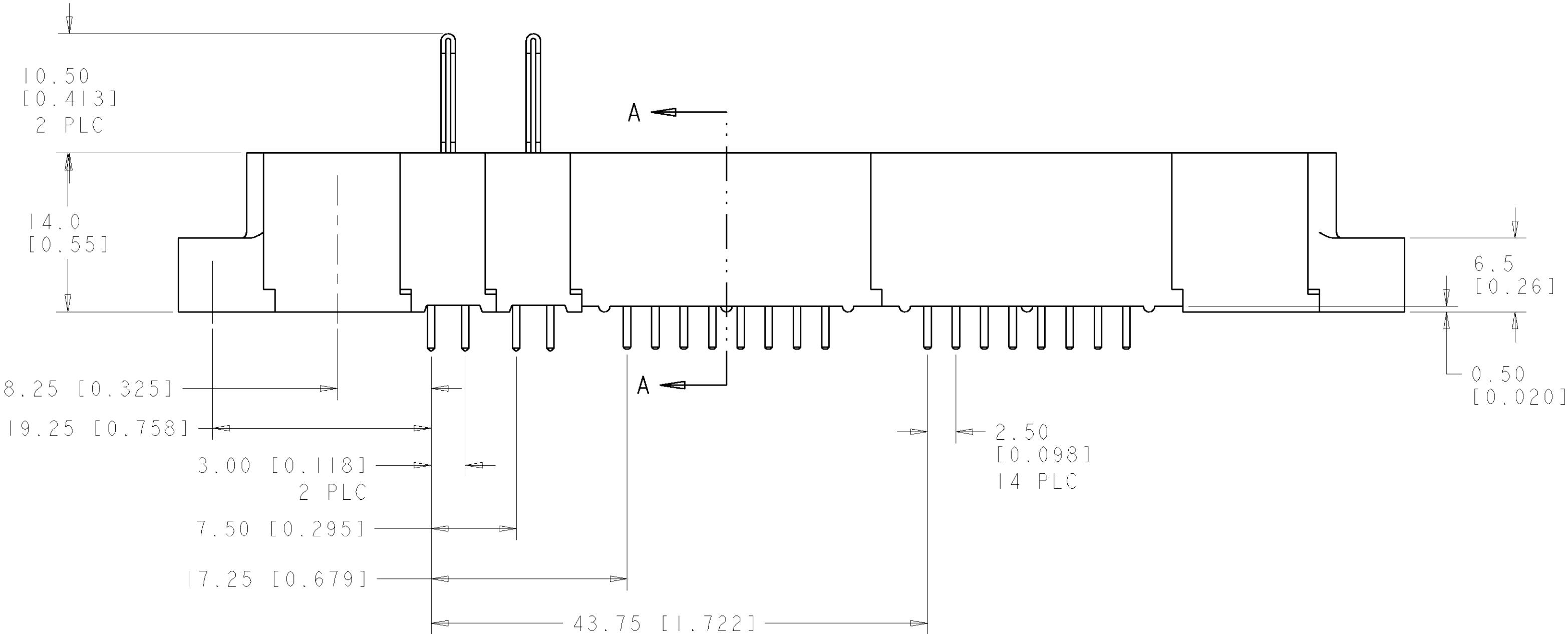
4 ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER LABEL

YEAR 1 WEEK

TYCO PART NO. DATE CODE (e.g. 0106)

XXXXXXXX-X XXXX

- 5 MOUNTING FLANGE ACCEPTS M3 OR #4-40 SCREWS. (USER SUPPLIED)
6. CONNECTOR MATES WITH TYCO PN 6646469-1.

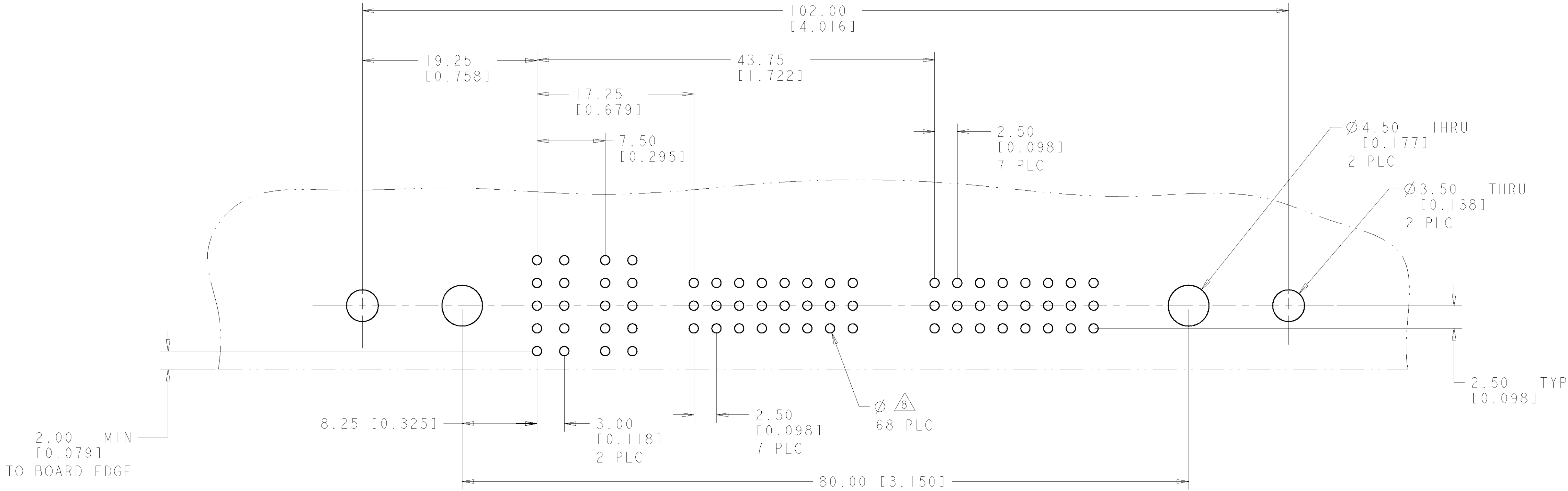


ELCON FLATPAQ

AMP 4805 REV 31MAR2006

AS SHOWN		6646468-1	
DESCRIPTION		PART NUMBER	
DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
9 PLC ±.3		2 PLC ±0.15	
3 PLC ±.3		4 PLC ±.3	
MATERIAL -		FINISH -	
CUSTOMER DRAWING		SCALE 3:1	
DWN R.GRZYBOWSKI 13SEP106		CHK M.PERCHERKE 13SEP106	
APVD S.FLICKINGER 13SEP106		NAME	
PRODUCT SPEC		APPLICATION SPEC	
WEIGHT -		SIZE CAGE CODE DRAWING NO	
CUSTOMER DRAWING		RESTRICTED TO	
TYCO Electronics		Tyco Electronics	
Harrisburg, PA 17105-3608		Harrisburg, PA 17105-3608	
STRAIGHT PIN CONNECTOR		SOLDER TAILS	
PN: 278-0682-10100A		A100779C=6646468	
SHEET 1 OF 3		REV A	

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



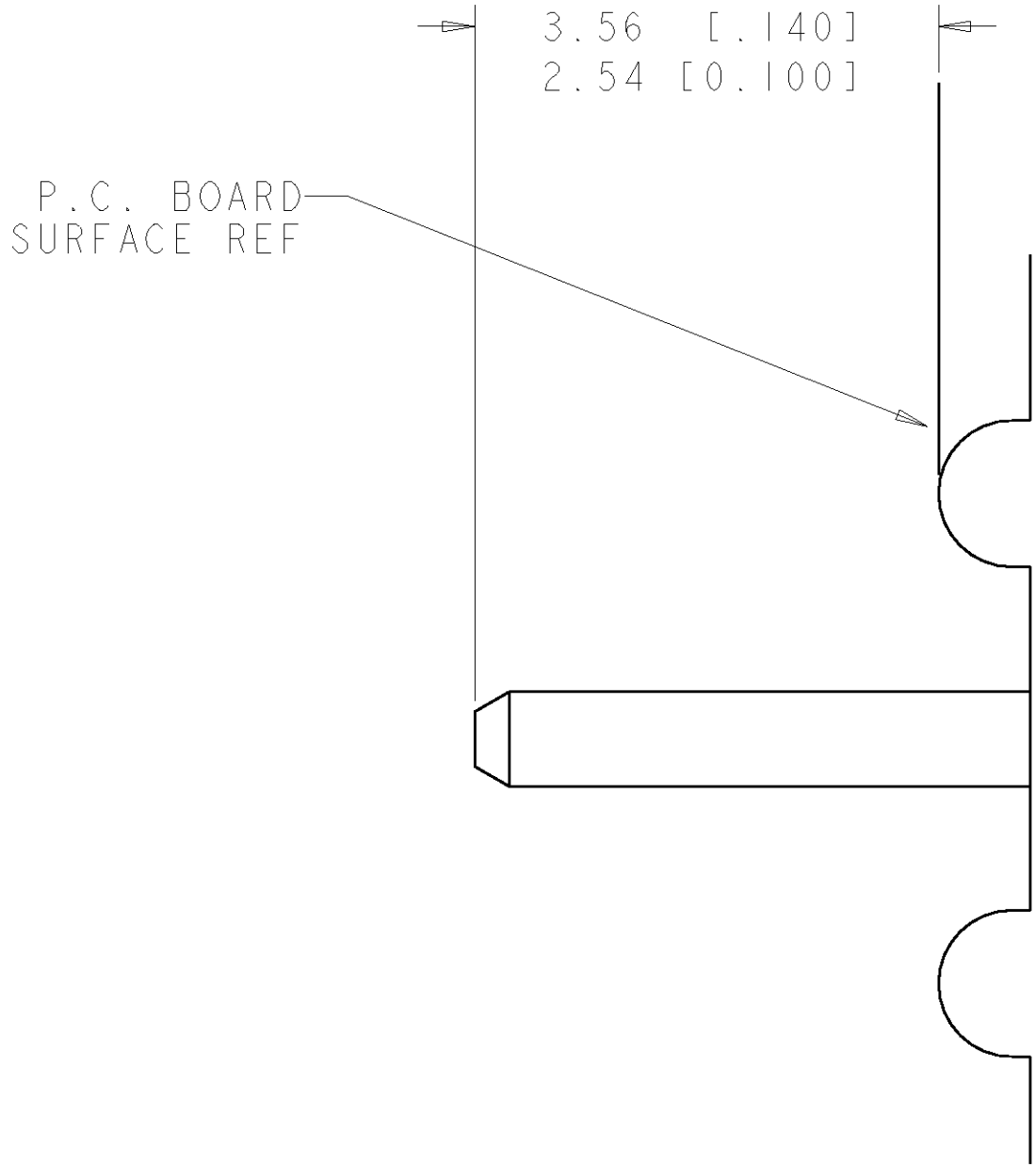
PRINTED CIRCUIT LAYOUT
COMPONENT SIDE

CONNECTOR	EQUIVALENT CATALOG MODULE #	MODULE QTY	CONTACT QTY	SIZE NO.	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING
PIN	FP101	2	2	8	1.25 X 7.00 [.049 X .276]	35 amps	7.50 [.2953]	250 VOLTS
	FP300	2	48	22	.64 [.025] SQ.	3 amps	2.50 [.0984]	125 VOLTS
	FP500	1	LEFT MOUNTING FLANGE					
	FP501	1	RIGHT MOUNTING FLANGE					
	FP502	2	STRAIGHT GUIDE SOCKETS					

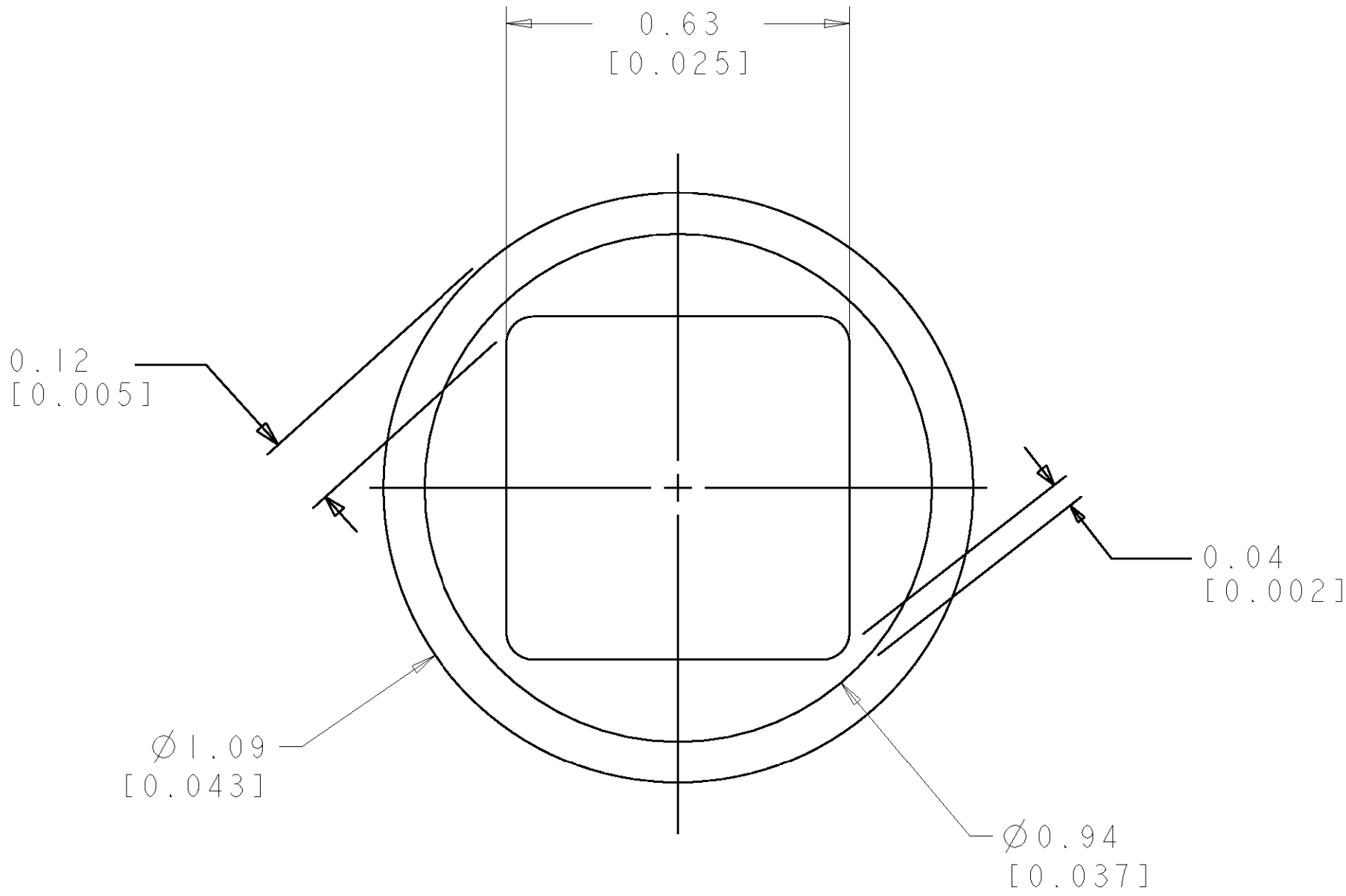
ELCON FLATPAQ

DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN R. GRZYBOWSKI 13SEP106	NAME STRAIGHT PIN CONNECTOR SOLDER TAILS PN: 278-0682-10100A	tyco Electronics Tyco Electronics Harrisburg, PA 17105-3608	
9 PLC ±.3		1 PLC ±0.15		CHK M. PERCHERKE 13SEP106			
3 PLC ±.1		4 PLC ±.1		APVD S. FLICKINGER 13SEP106			
10° ±5		FINISH		PRODUCT SPEC			
MATERIAL		WEIGHT		APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO
-		-		CUSTOMER DRAWING	A	100779	6646468
				SCALE	3:1	SHEET	2 OF 3
				REV	A		

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



7. SOLDER PIN DETAIL
SCALE 10:1



SOLDER TERMNIATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT SOLDER HOLE
FINISHED HOLE: Ø 1.02 [.040] ± 0.08 [.003]
DRILLED HOLE: Ø 1.15 [.0453] ± 0.013 [.0005]
COPPER PLATE: 0.025 [.0010] MIN
TIN PLATE: 0.008 [.0003] MIN. (PER SURFACE)

ELCON FLATPAQ

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				CHK M. PERCHERKE	13SEP106				
				APVD S. FLICKINGER	13SEP106	NAME		STRAIGHT PIN CONNECTOR SOLDER TAILS PN: 278-0682-10100A	
DIMENSIONS: mm [INCHES]				TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		SIZE	
				0 PLC ± .3		APPLICATION SPEC		CAGE CODE	
				1 PLC ± 0.3				DRAWING NO	
				2 PLC ± 0.15				RESTRICTED TO	
				3 PLC ± .					
				4 PLC ± .					
				ANGLES ± 5					
				FINISH					
MATERIAL						WEIGHT		A 100779	
								C=6646468	
						CUSTOMER DRAWING		SCALE 3:1	
								SHEET 3 OF 3	
								REV A	

Mouser Electronics

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[TE Connectivity:](#)

[6646468-1](#)