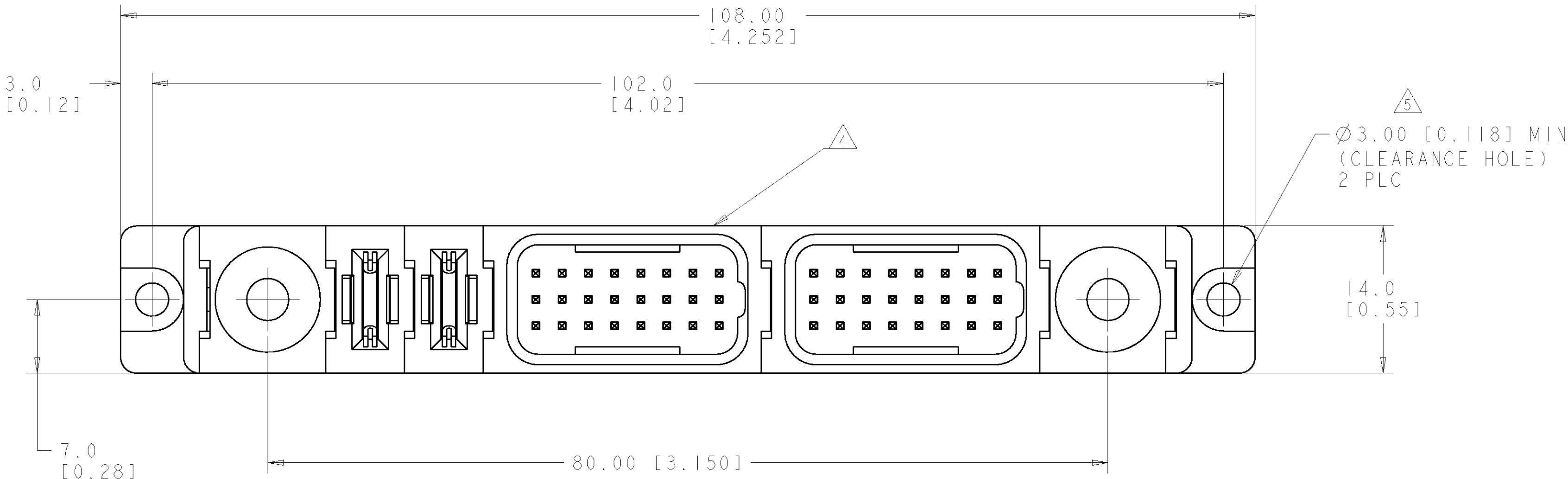


LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
GP	00	A	RELEASED	13SEP2006	RG	MP	



- 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.

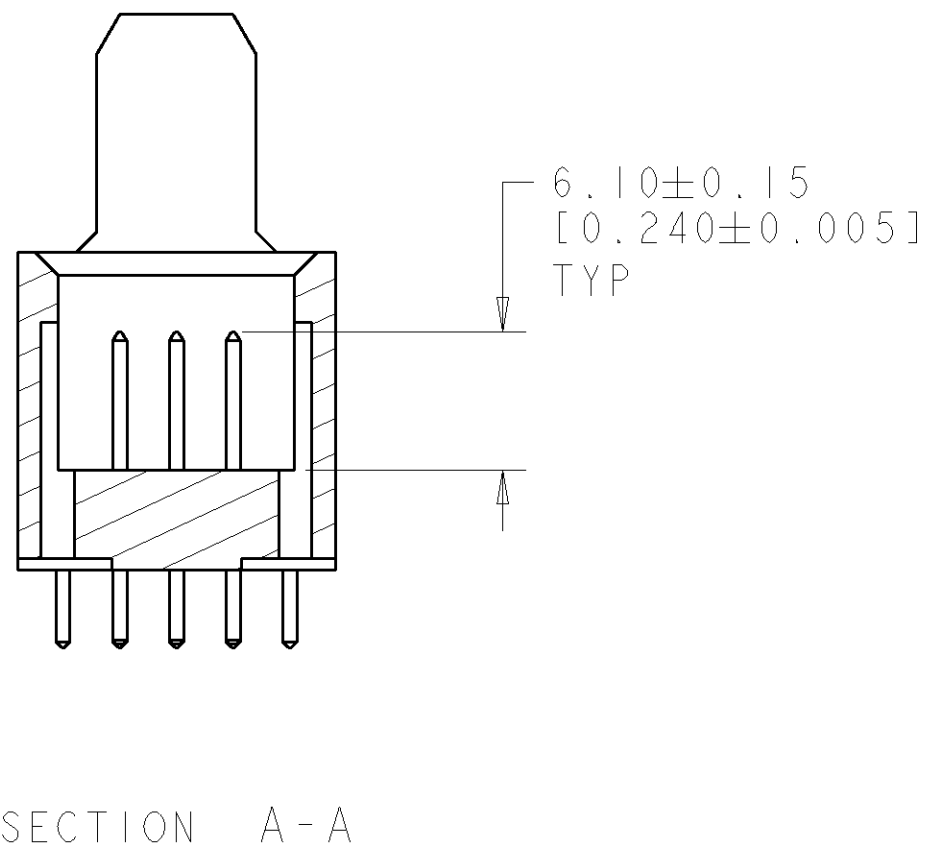
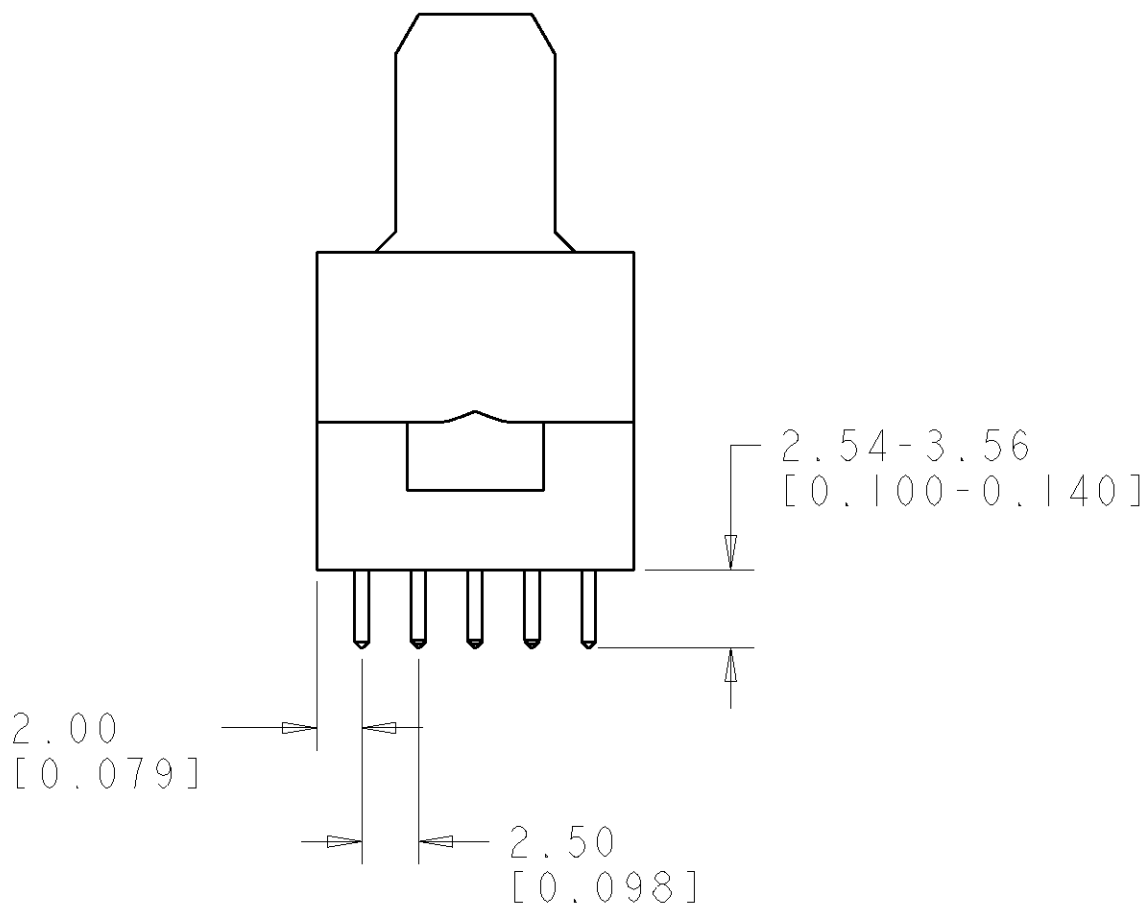
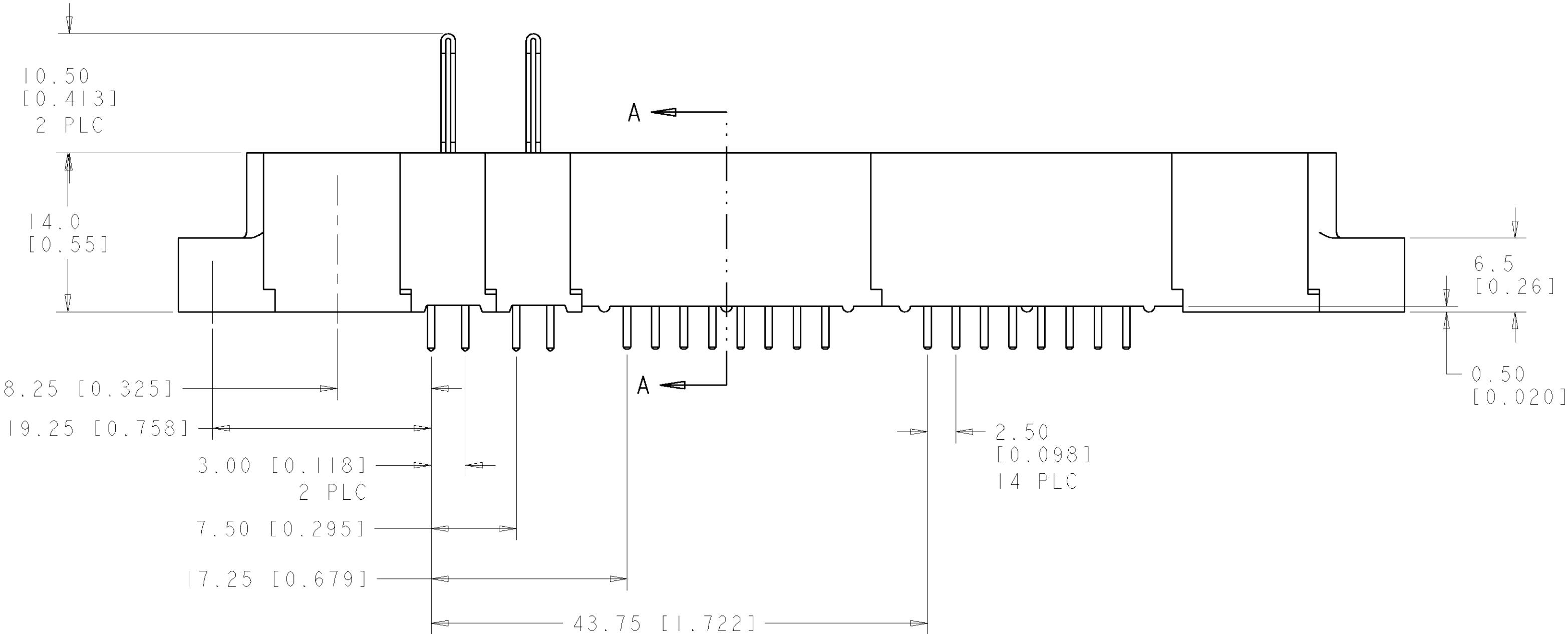
4 ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER LABEL

YEAR 1 WEEK

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

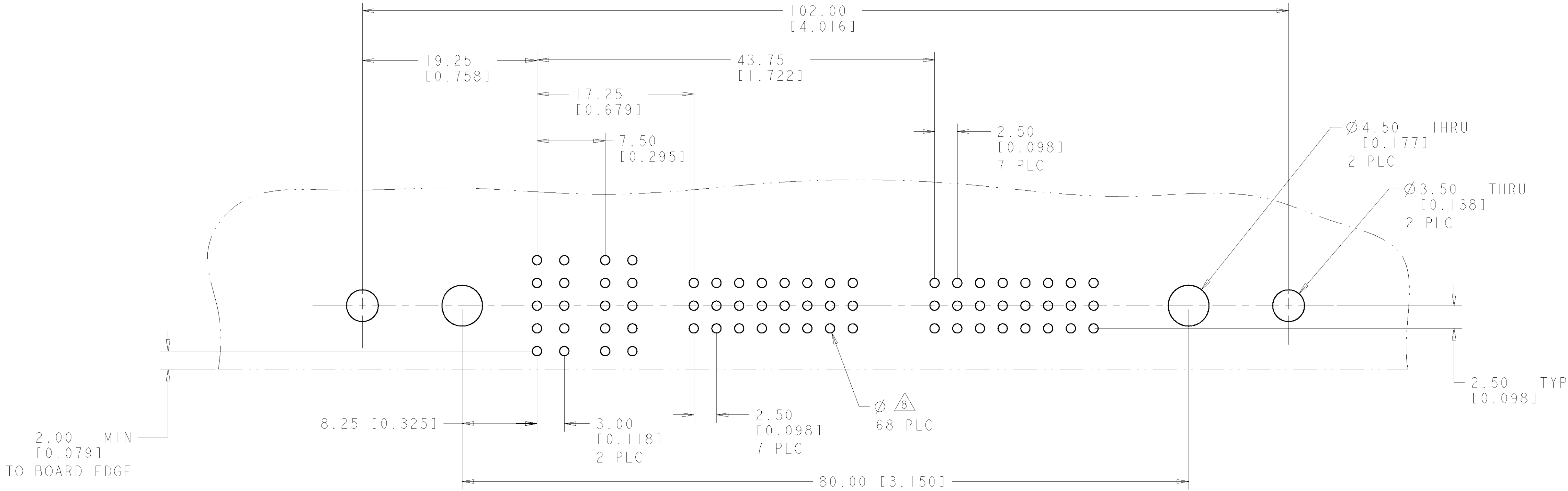
XXXXXXXX-X XXXX

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



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	-	-	-



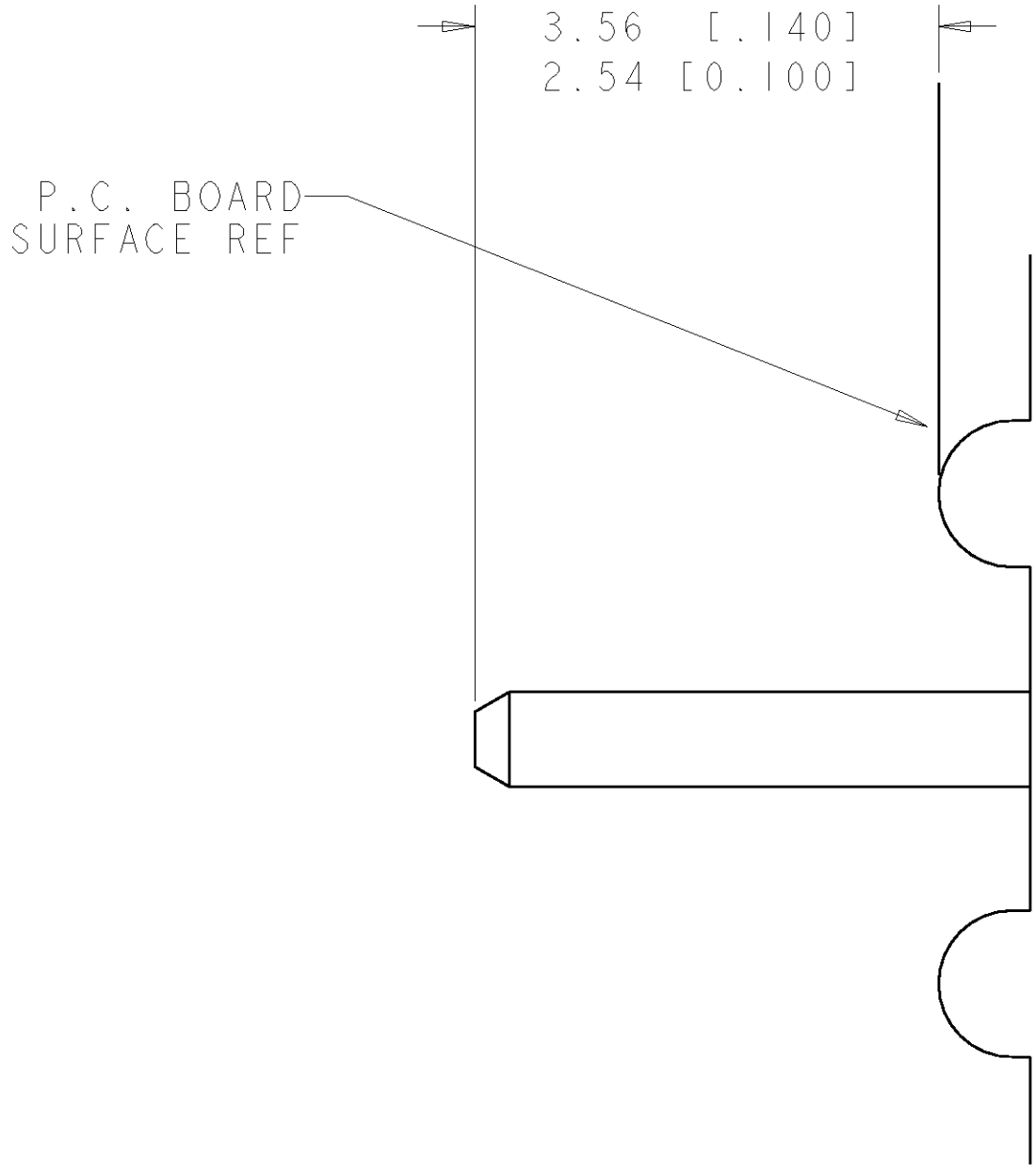
PRINTED CIRCUIT LAYOUT
COMPONENT SIDE

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					

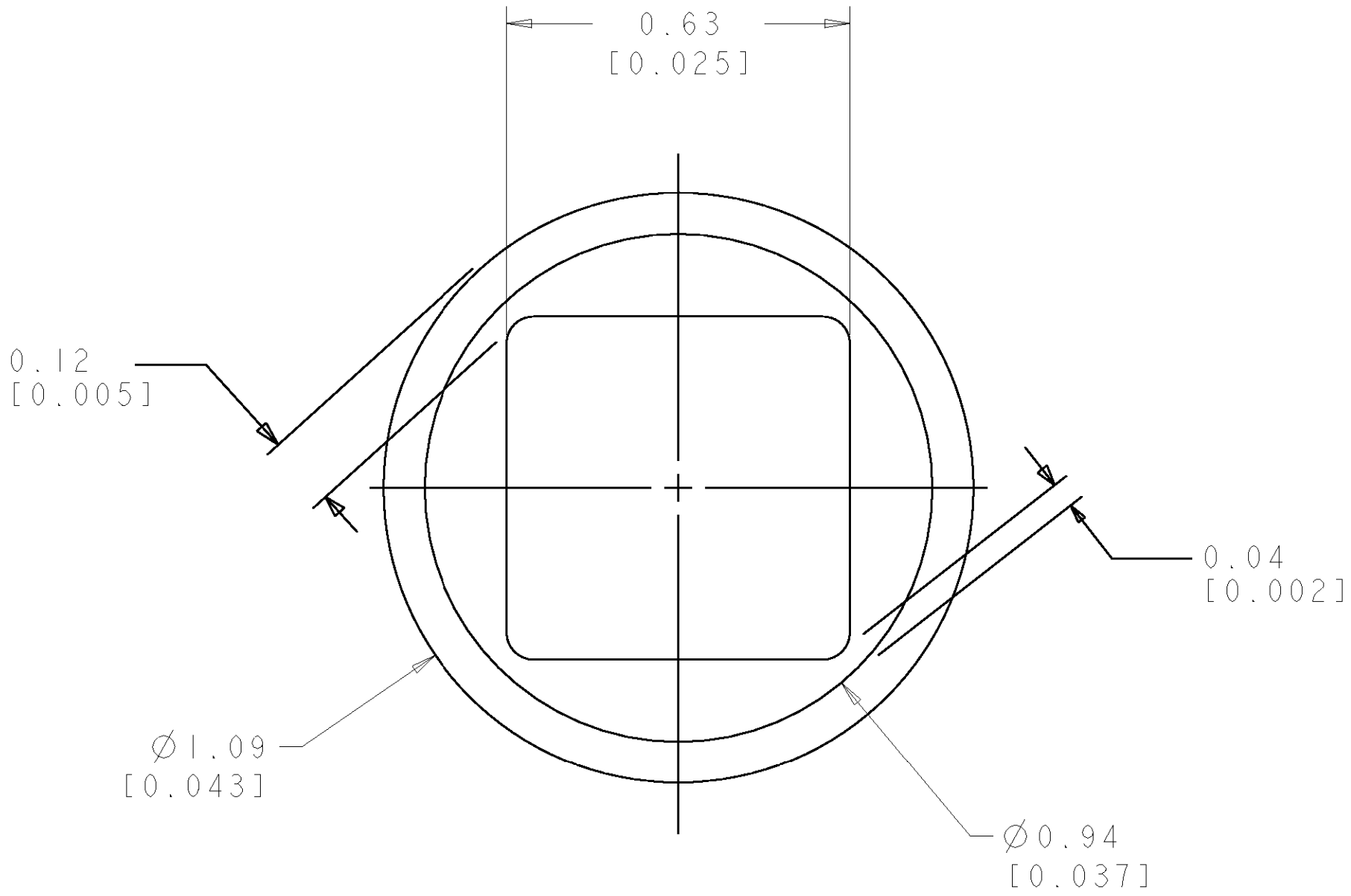
ELCON FLATPAQ

DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN R. GRZYBOWSKI CHK M. PERCHERKE APVD S. FLICKINGER		13SEP106 13SEP106 13SEP106		tyco Electronics		Tyco Electronics Harrisburg, PA 17105-3608	
9 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES		± ±0.3 ±0.15 ± ± ± 5		PRODUCT SPEC		NAME		STRAIGHT PIN CONNECTOR SOLDER TAILS PN: 278-0682-10100A		RESTRICTED TO	
MATERIAL		FINISH		WEIGHT		SIZE		CAGE CODE		DRAWING NO	
-		-		-		A		00779		C=6646468	
CUSTOMER DRAWING		SCALE		3:1		SHEET		2		OF 3	
										REV	
										A	

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

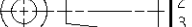


7. SOLDER PIN DETAIL
SCALE 10:1



SOLDER TERMNIATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT SOLDER HOLE
FINISHED HOLE: Ø1.02 [.040] ±0.08 [.003]
DRILLED HOLE: Ø1.15 [.0453] ±0.013 [.0005]
COPPER PLATE: 0.025 [.0010] MIN
TIN PLATE: 0.008 [.0003] MIN. (PER SURFACE)

ELCON FLATPAQ

THIS DRAWING IS A CONTROLLED DOCUMENT FOR THE TYCO ELECTRONICS CORPORATION IT IS SUBJECT TO CHANGE WITHOUT NOTICE. ANY CHANGES WILL BE NOTIFIED BY REVISIONS IT SHOULD BE KEPT UNDER CLOSEST CONTROL AND THE LATEST REVISION SHOULD BE CONTACTED FOR THE LATEST REVISION.			DWN R. GRZYBOWSKI	13SEP106	tyco Electronics	Tyco Electronics Harrisburg, PA 17105-3608
DIMENSIONS:			CHK M. PERCHERKE	13SEP106		
mm [INCHES]			APVD S. FLICKINGER	13SEP106		
TOLERANCES UNLESS OTHERWISE SPECIFIED:			NAME			
			PRODUCT SPEC		STRAIGHT PIN CONNECTOR	
0 PLC ±.3			-		SOLDER TAILS	
1 PLC ±0.3			-		PN: 278-0682-10100A	
2 PLC ±0.15			APPLICATION SPEC		SIZE	
3 PLC ±.			WEIGHT		CAGE CODE	
4 PLC ±.			CUSTOMER DRAWING		DRAWING NO	
ANGLES ± 5			-		A 00779 ©=6646468	
FINISH			-		RESTRICTED TO	
MATERIAL			-		-	
					SCALE 3:1 SHEET 3 OF 3 REV A	