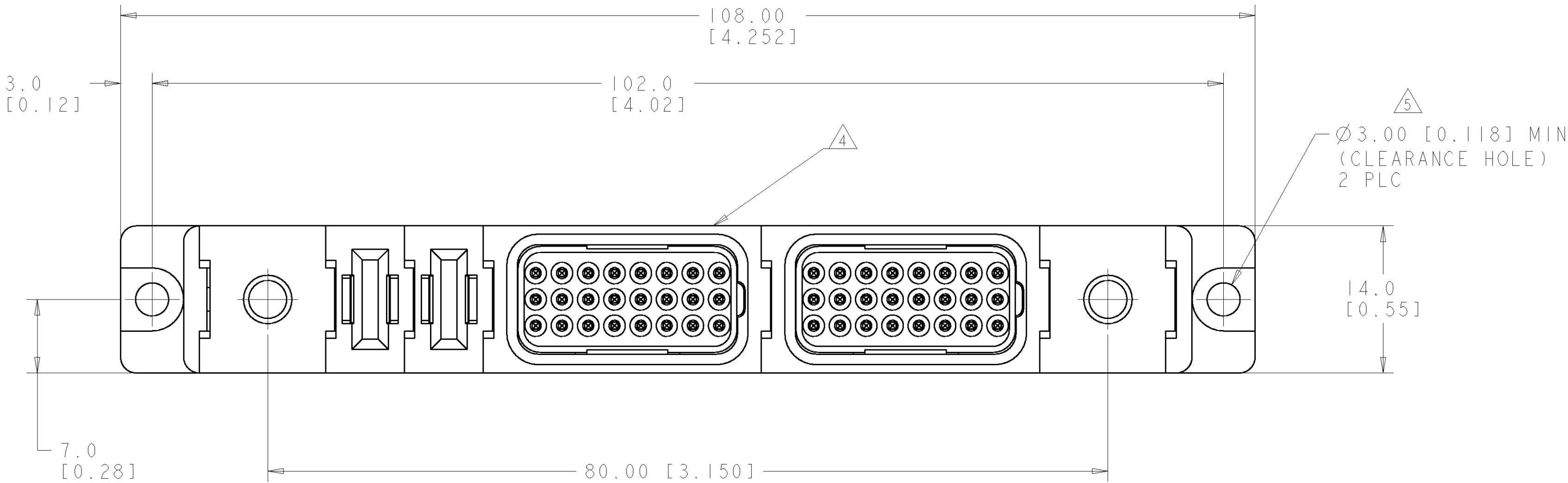


LOC		DIST		REVISIONS			
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		A		RELEASED	13SEP2006	RG	MP



- 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
 - GUIDE PINS- BRASS 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.
 - GUIDE PINS - NICKEL .000050" MIN THK.

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

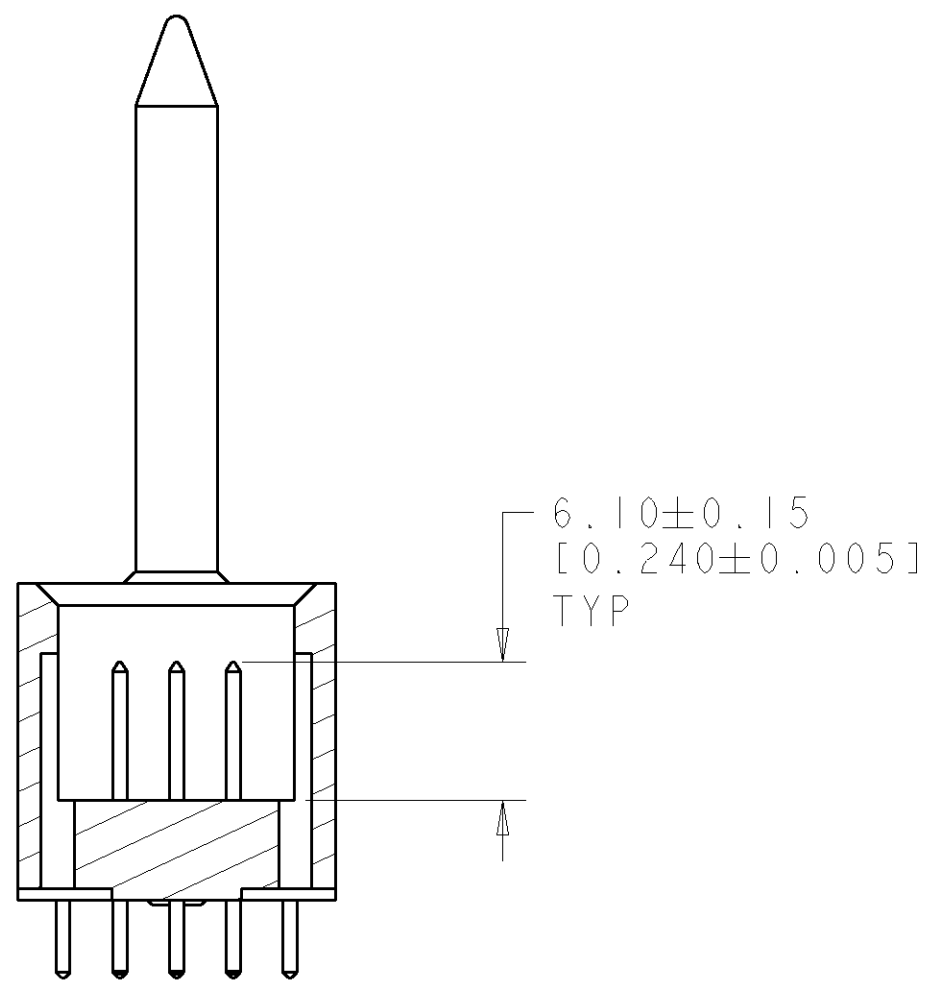
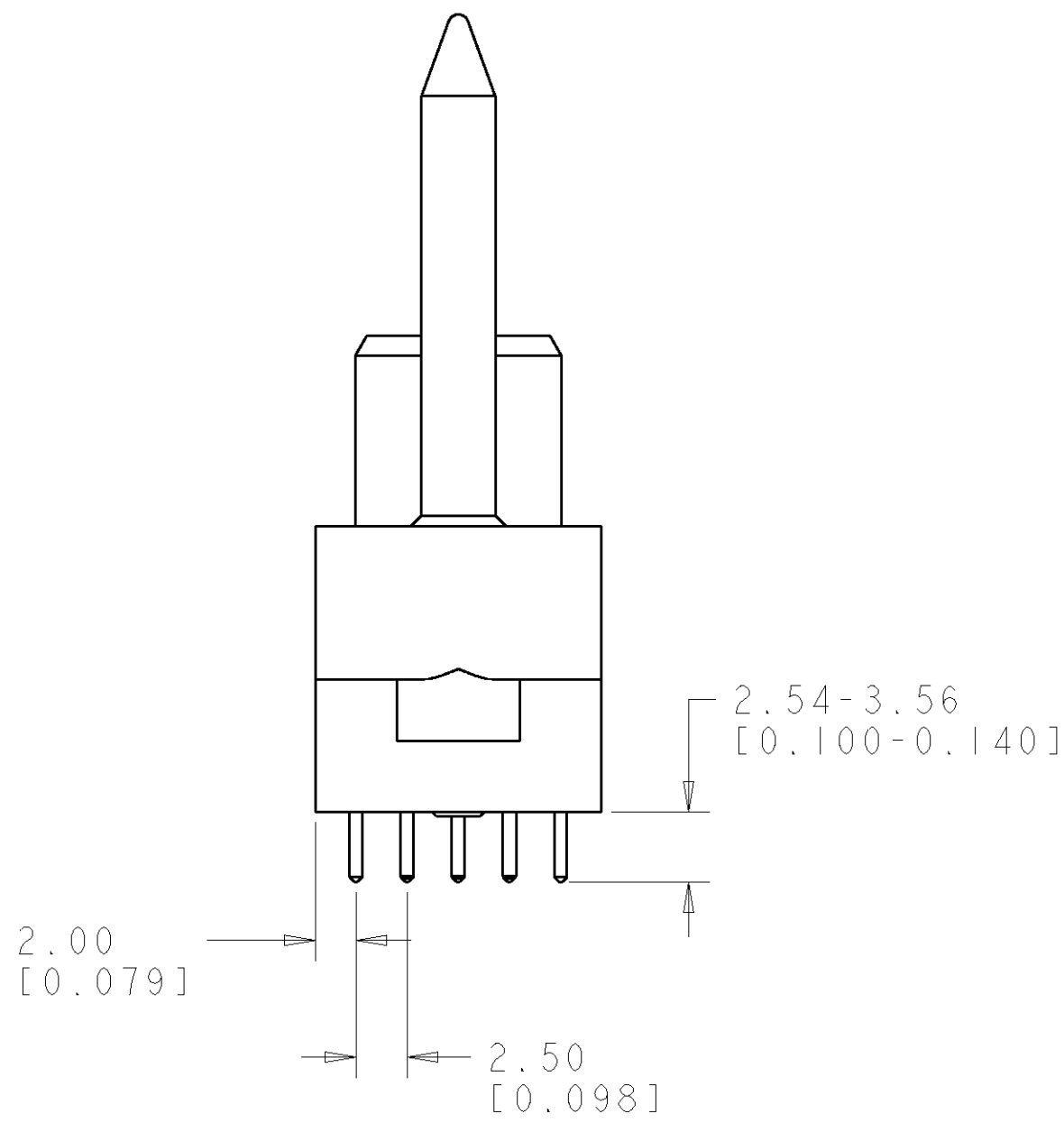
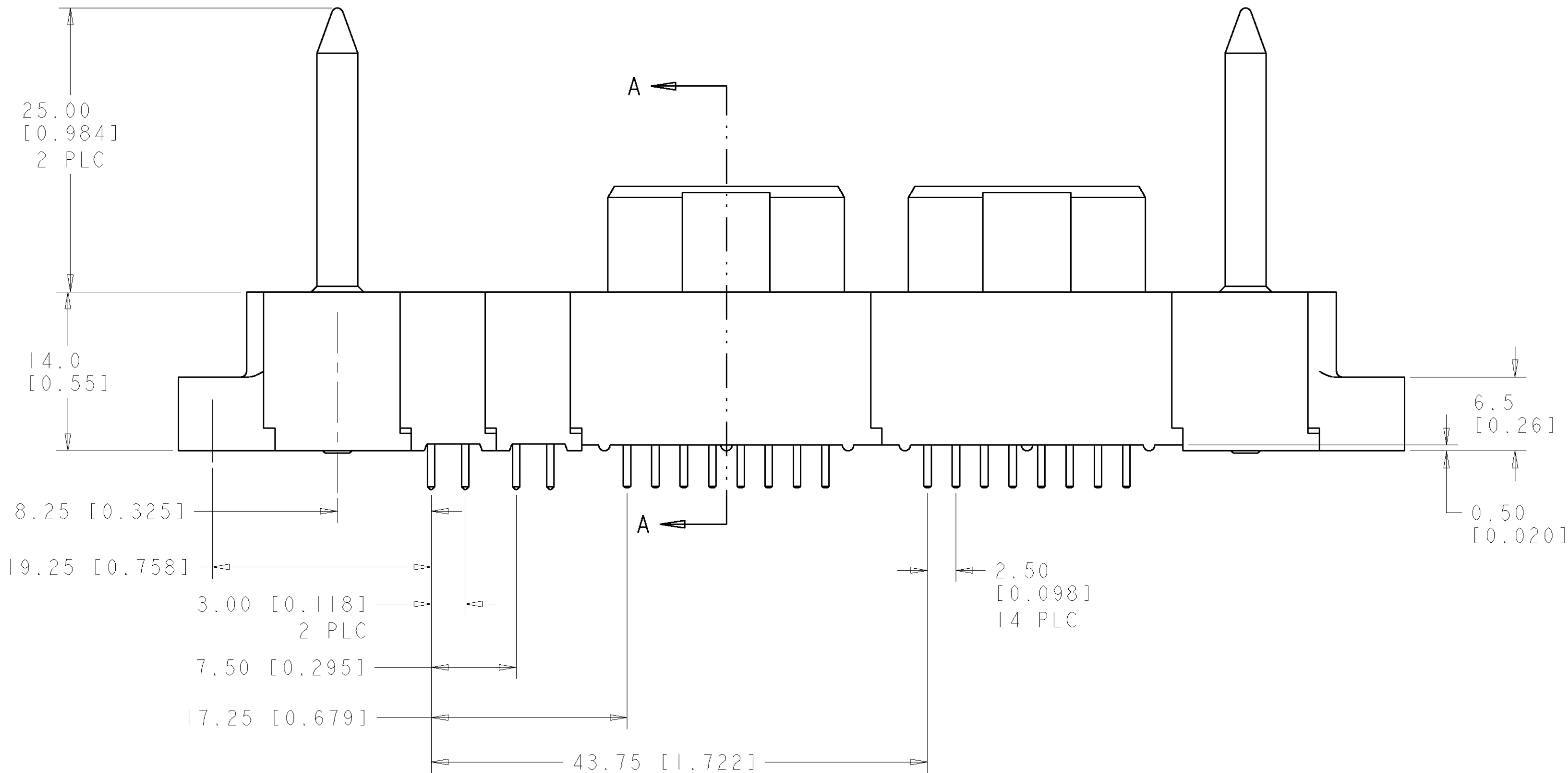
YEAR 1 WEEK

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

XXXXXXXX-X XXXX

MOUNTING FLANGE ACCEPTS M3 OR #4-40 SCREWS. (USER SUPPLIED)

CONNECTOR MATES WITH TYCO PN 6646468-1.



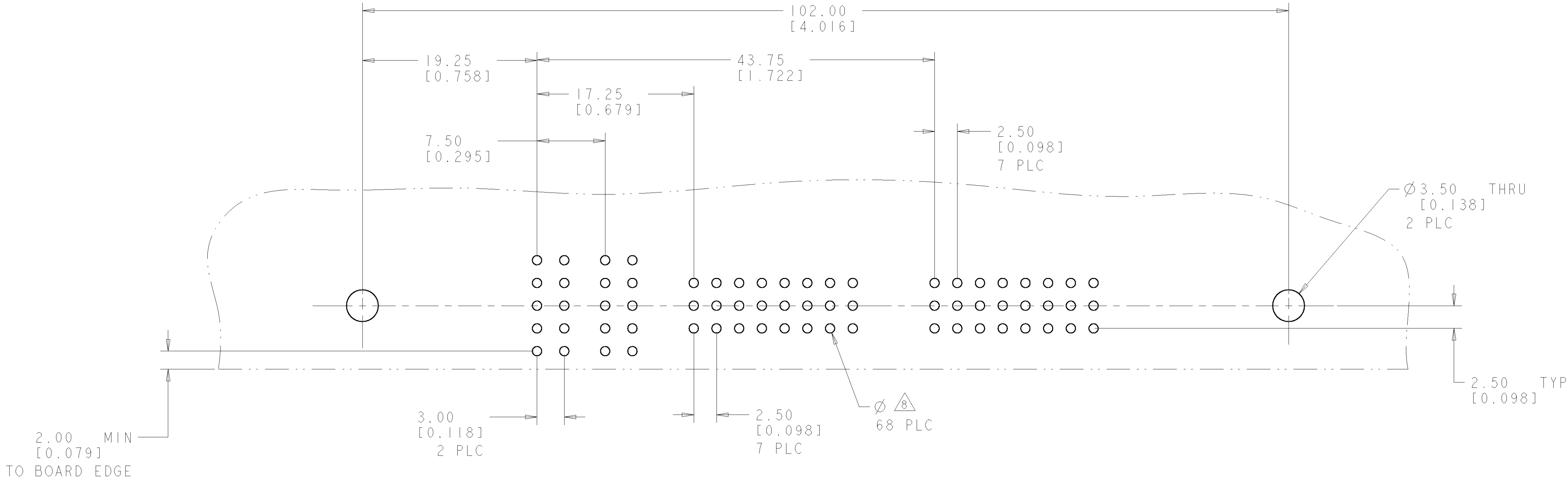
SECTION A-A

ELCON FLATPAQ

AMP 4805 REV 31MAR2006

AS SHOWN		6646469-1	
DESCRIPTION		PART NUMBER	
DWN R. GRZYBOWSKI 13SEP106		tyco Tyco Electronics Harrisburg, PA 17105-3608	
CHK M. PERCHERKE 13SEP106		NAME	
APVD S. FLICKINGER 13SEP106		PRODUCT SPEC	
DIMENSIONS: mm [INCHES]		APPLICATION SPEC	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		WEIGHT	
0 PLC ±0.3		CUSTOMER DRAWING	
1 PLC ±0.15		SCALE 3:1	
2 PLC ±		SHEET 1 OF 3	
3 PLC ±		REV A	
4 PLC ±			
ANGLES ± 5			
FINISH			
MATERIAL			

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



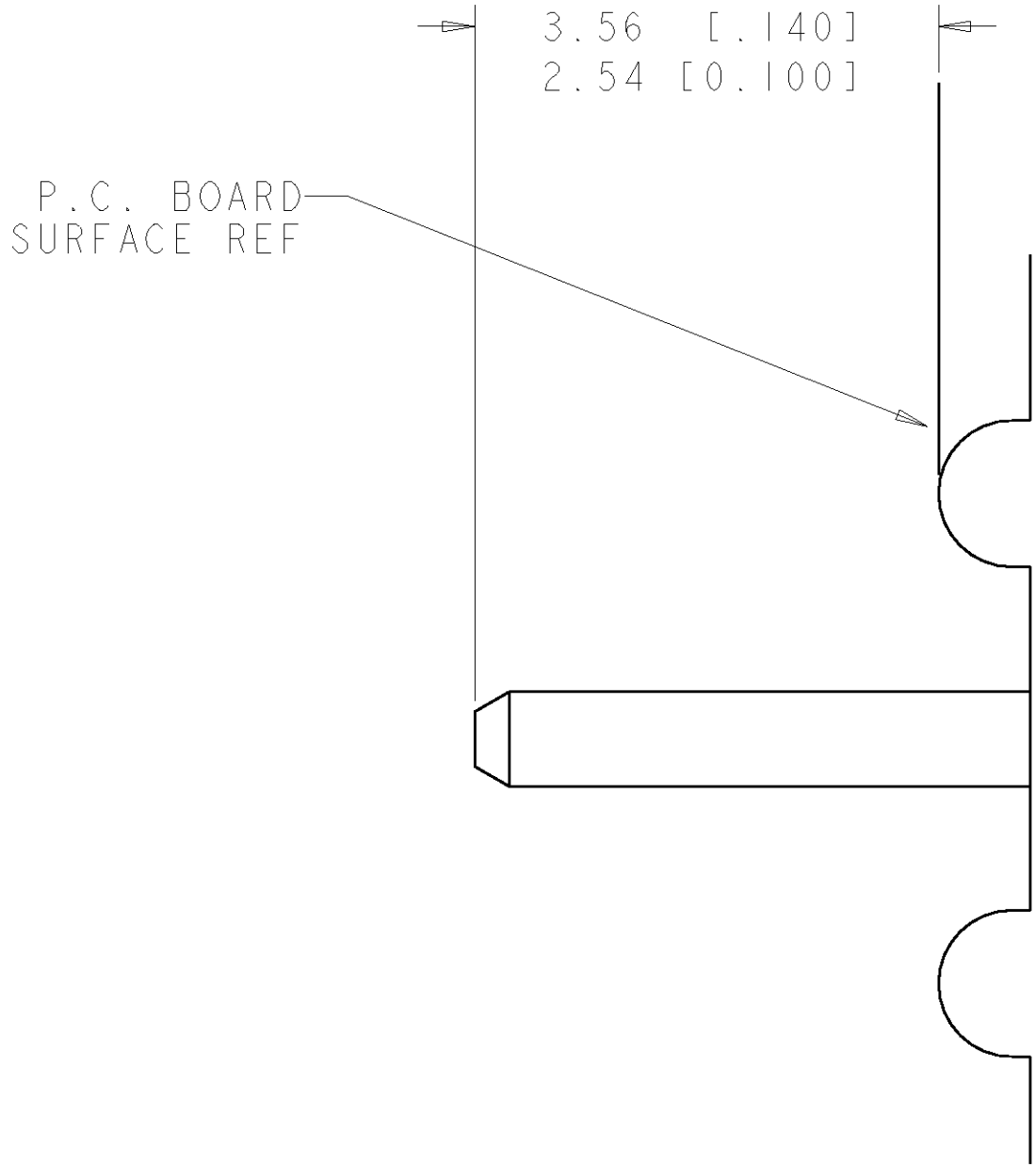
PRINTED CIRCUIT LAYOUT
COMPONENT SIDE

CONNECTOR	EQUIVALENT CATALOG MODULE #	MODULE QTY	CONTACT QTY	SIZE NO.	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING
SOCKET	FP100	2	2	8	1.25 X 7.00 [0.049 X .276]	35 amps	7.50 [.2953]	250 VOLTS
	FP301	2	48	22	.64 [.025] SQ.	3 amps	2.50 [.0984]	125 VOLTS
	FP500	1	LEFT MOUNTING FLANGE					
	FP501	1	RIGHT MOUNTING FLANGE					
	FP503	2	STRAIGHT GUIDE PIN					

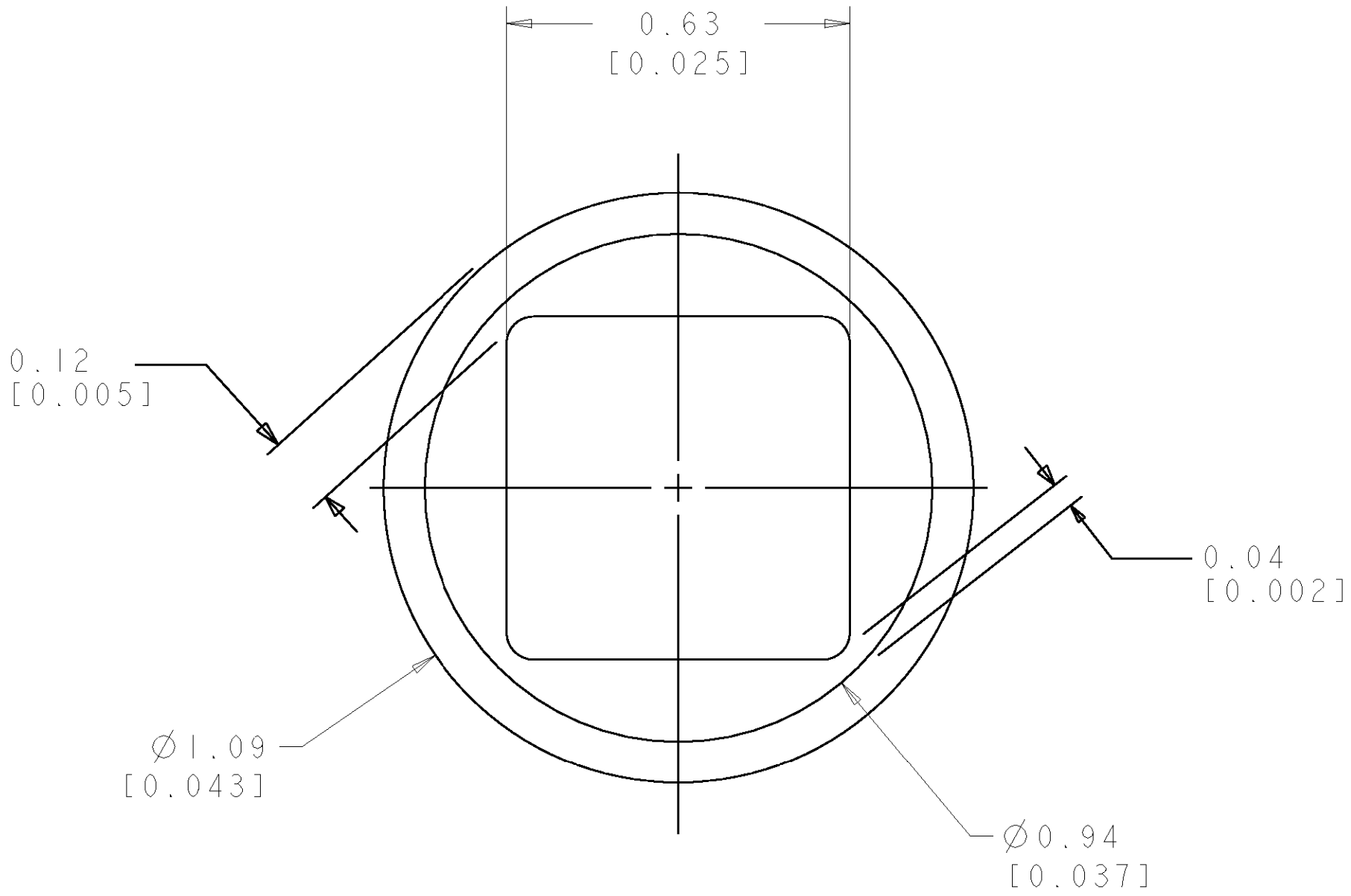
ELCON FLATPAQ

1. IT IS THE BUYER'S RESPONSIBILITY TO PROVIDE THE CORRECT DIMENSIONS AND TOLERANCES TO THE MANUFACTURER. THE MANUFACTURER SHALL NOT BE RESPONSIBLE FOR ANY DIMENSIONAL OR TOLERANCE ERRORS.				DWN R. GRZYBOWSKI 13SEP106	tyco Electronics		Tyco Electronics Harrisburg, PA 17105-3608		
DIMENSIONS: mm[INCHES]				TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK M. PERCHERKE 13SEP106	NAME		
				1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± 5 PLC ±		APVD S. FLICKINGER 13SEP106	PRODUCT SPEC		
				±0.3 ±0.15 ± ± ±		APPLICATION SPEC		STRAIGHT SOCKET CONNECTOR SOLDER TAILS PN: 278-0682-10200A	
MATERIAL				FINISH		SIZE		CAGE CODE	DRAWING NO.
-				-		A		100779	C=6646469
CUSTOMER DRAWING				WEIGHT		SCALE		SHEET	OF
-				-		3:1		2	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 [0.0010] MIN
TIN PLATE: 0.008 [0.0003] MIN. (PER SURFACE)

ELCON FLATPAQ

DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN R. GRZYBOWSKI	13SEP106	NAME STRAIGHT SOCKET CONNECTOR SOLDER TAILS PN: 278-0682-10200A	SIZE A	CAGE CODE 00779	DRAWING NO C=6646469	RESTRICTED TO -
			CHK M. PERCHERKE	13SEP106					
		0 PLC ± 1 PLC ±0.3 2 PLC ±0.15 3 PLC ± 4 PLC ± ANGLES ± 5 FINISH -	APVD S. FLICKINGER	13SEP106					
			PRODUCT SPEC						
MATERIAL -			APPLICATION SPEC						
			WEIGHT -						
			CUSTOMER DRAWING						
			SCALE 3:1						
			SHEET 3						
			OF 3						
			REV A						

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[6646469-1](#)