

LOC		DIST		REVISIONS			
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		A		NEW RELEASE	11JUN2007	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.
POWER CONTACTS - PHOSPHOR BRONZE ALLOY,
COPPER ALLOY
SOLDER SIGNAL PINS-BRASS ALLOY
CROWN BAND-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.

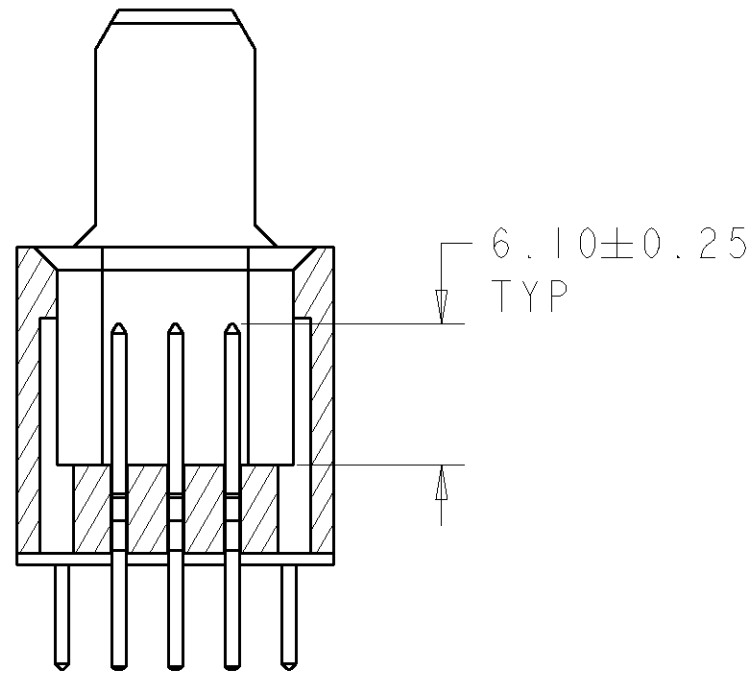
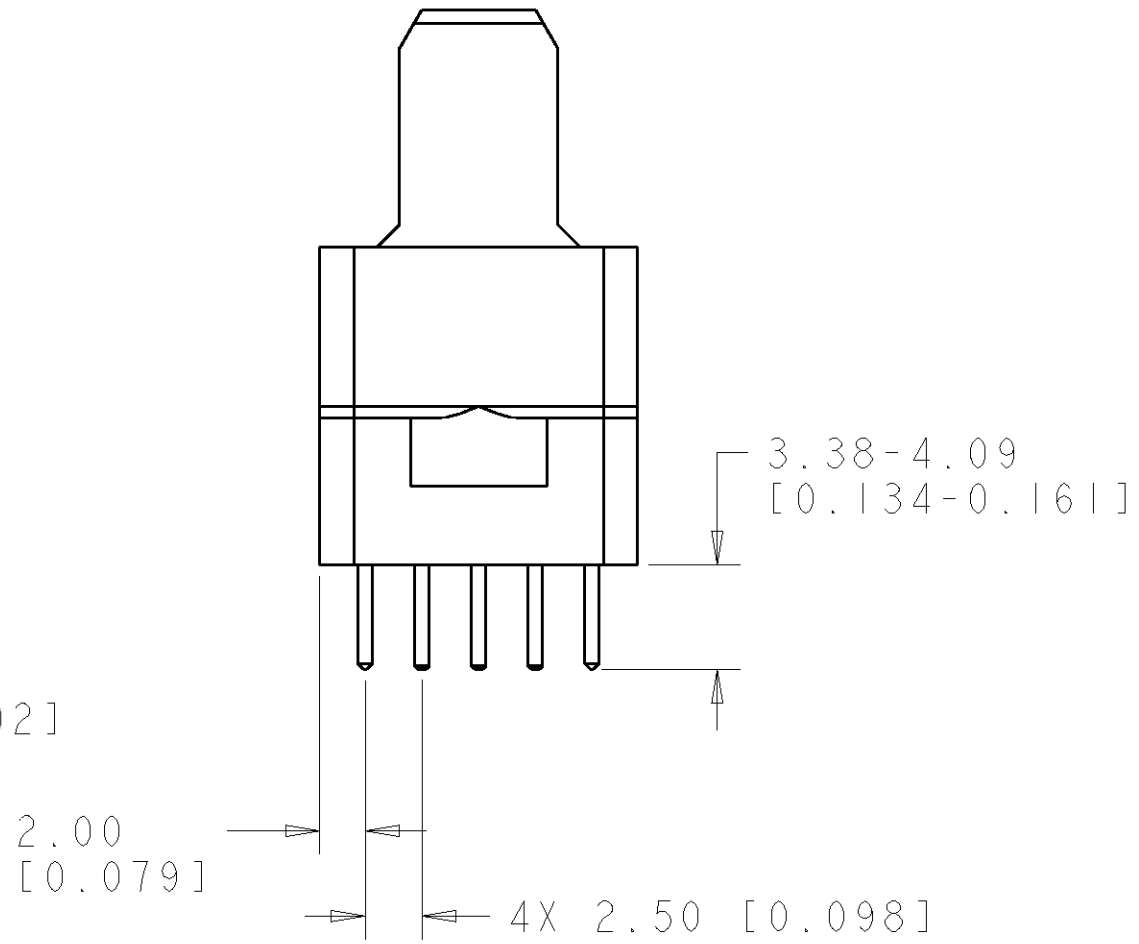
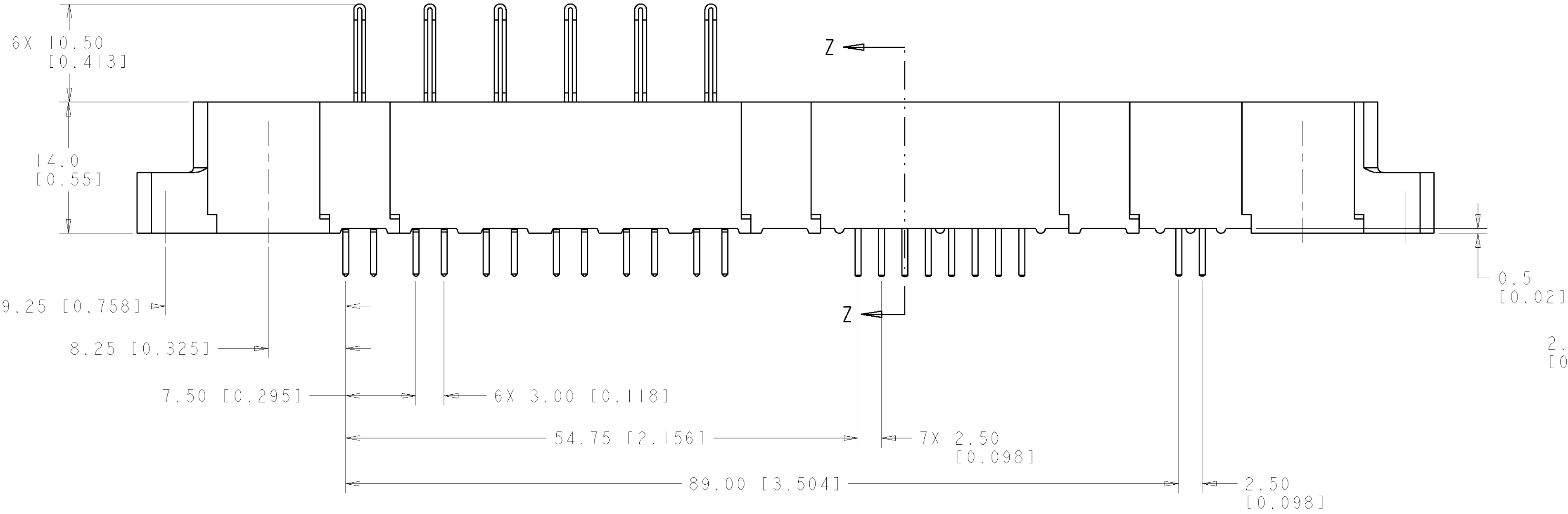
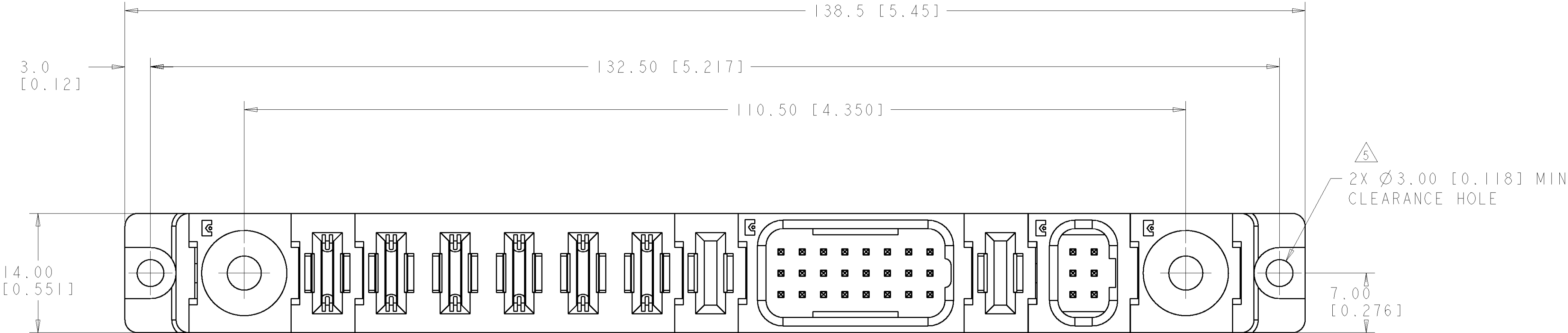
4. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER LABEL

YEAR1WEEK

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

XXXXXXXX-XXXXX

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

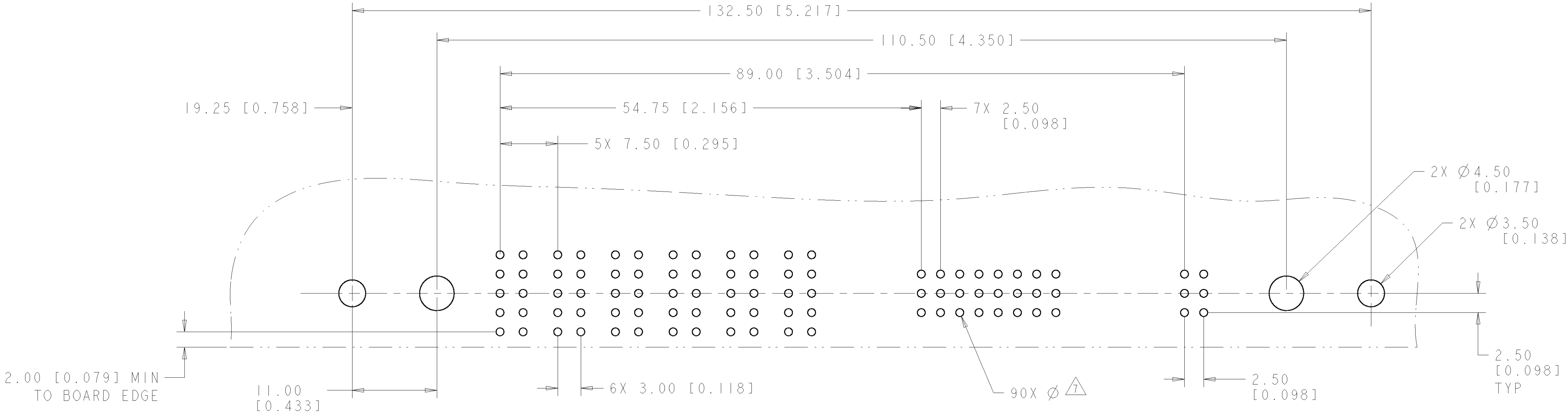


ELCON

FLATPAQ

AS SHOWN		6651981-1	
DESCRIPTION		PART NUMBER	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm		0 PLC ±.3 [0.012] 1 PLC ±.3 [0.012] 2 PLC ±.15 [0.006] 3 PLC ±.15 [0.006] 4 PLC ±.15 [0.006] ANGLES ±.5	
MATERIAL		FINISH	
-		-	
DWN		11JUN2007	
CHK		11JUN2007	
P.DAMATO		11JUN2007	
APVD		11JUN2007	
S.FILKINGER		11JUN2007	
PRODUCT SPEC		APPLICATION SPEC	
WEIGHT		-	
CUSTOMER DRAWING		-	
Tyco Electronics		Tyco Electronics	
Harrisburg, PA 17105-3608		Harrisburg, PA 17105-3608	
NAME		PIN CONNECTOR ASSEMBLY	
SIZE		STRAIGHT, SOLDER TAILS	
CAGE CODE		FLATPAQ	
DRAWING NO		-	
RESTRICTED TO		-	
A100779		C=6651981	
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	EQUIVALENT CATALOG MODULE #	MODULE QTY	CONTACT QTY	SIZE NO.	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING
PIN	FP101	6	6	8	1.25 X 7.00 [.049 X .276]	35 amps	7.50 [.2953]	250 VOLTS
	FP312	1	6	22	.64 [.025] SQ.	3 amps	2.50 [.0984]	125 VOLTS
	FP300	1	24	22	.64 [.025] SQ.	3 amps	2.50 [.0984]	125 VOLTS
	FP500	1	LEFT MOUNTING FLANGE					
	FP511	2	SPACER					
	FP501	1	RIGHT MOUNTING FLANGE					
	FP502	2	STRAIGHT GUIDE SOCKETS					

THE DIMENSIONS OF CONDUCTORS SHOWN ON THIS ELECTRICAL CONNECTION ARE TO BE USED FOR THE PURPOSES OF THE CONSTRUCTION OF THE ORGANIZATION. THE DIMENSIONS OF CONDUCTORS SHOWN ON THIS ELECTRICAL CONNECTION ARE TO BE USED FOR THE PURPOSES OF THE CONSTRUCTION OF THE ORGANIZATION.

DIMENSIONS:

mm

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

9 PLC ±.3 [.012]

1 PLC ±.15 [.006]

2 PLC ±.15 [.006]

3 PLC ±.15 [.006]

4 PLC ±.15 [.006]

ANGLES ±.5

FINISH -

FINISH

-

DWN R. GRZYBOWSKI 11JUN2007

CHK P. DAMATO 11JUN2007

APVD S. FLICKINGER 11JUN2007

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

Tyco Electronics
Harrisburg, PA 17105-3608

NAME
PIN CONNECTOR ASSEMBLY
STRAIGHT, SOLDER TAILS
FLATPAQ

SIZE A100779C=6651981

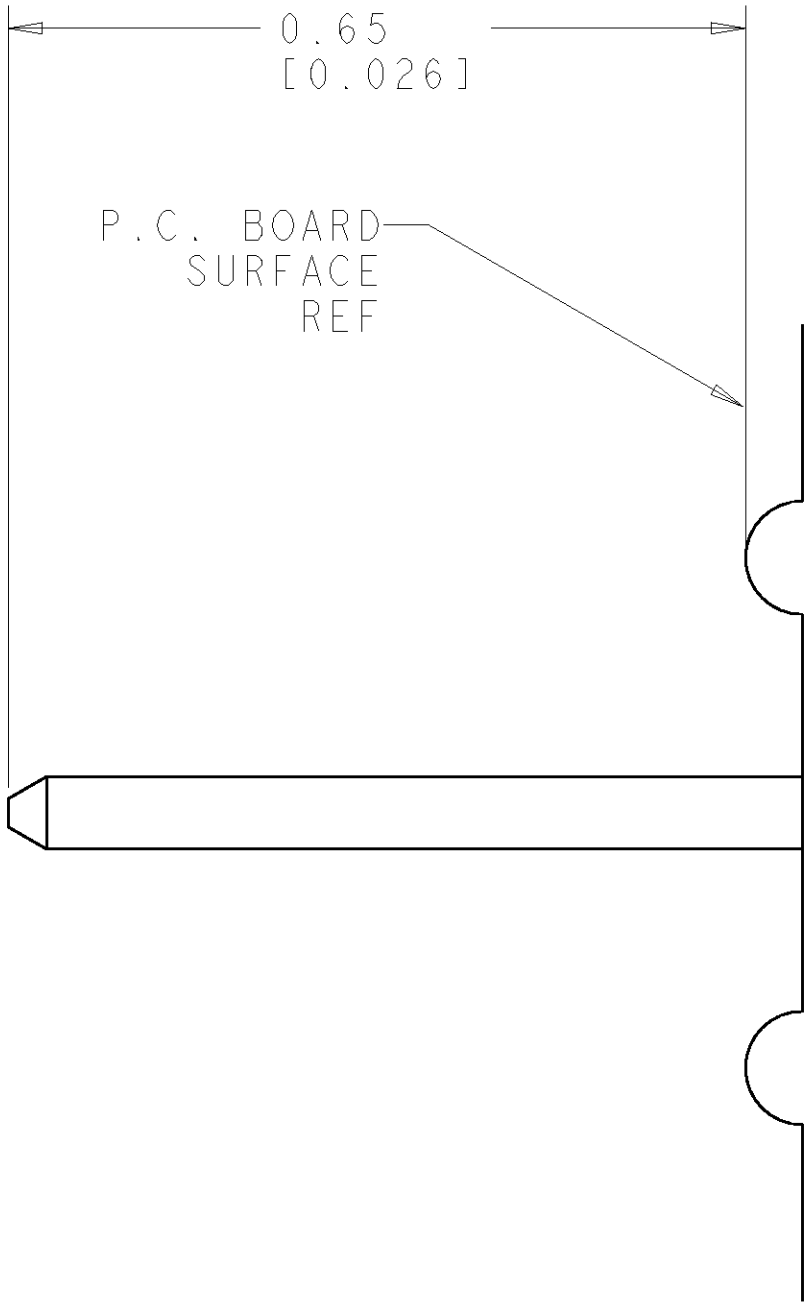
RESTRICTED TO -

SCALE 3:1

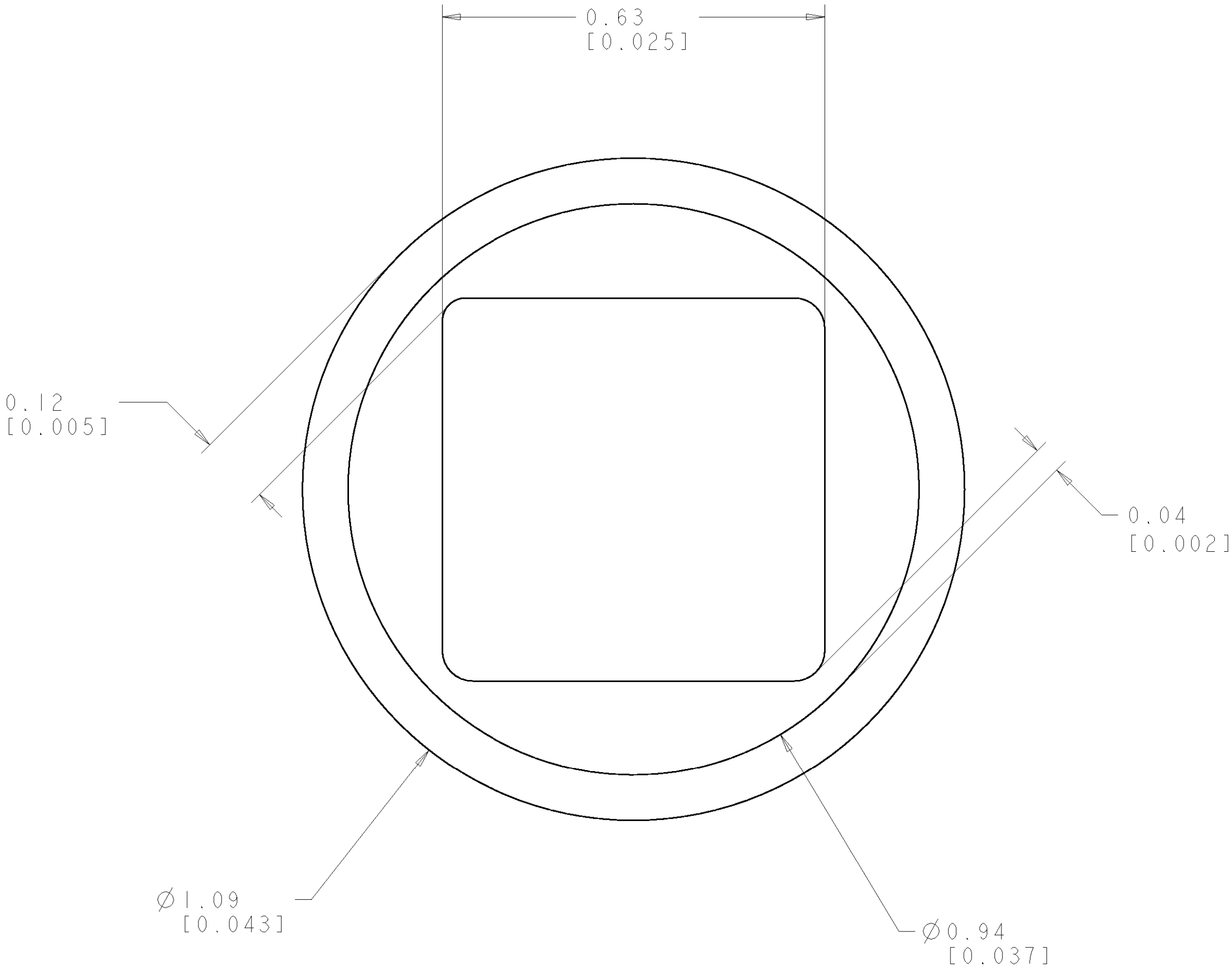
SHEET 2 OF 3

REV A

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



6. SOLDER PIN DETAIL
SCALE 10:1



SOLDER TERMNIATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT SOLDER HOLE
FINISHED HOLE: Ø1.02 [0.040] ±0.08 [0.003]
DRILLED HOLE: Ø1.15 [0.0453] ±0.013 [0.0005]
COPPER PLATE: 0.025 [0.0010] MIN
TIN PLATE: 0.008 [0.0003] MIN. (PER SURFACE)

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CHK P. DAMATO 11 JUN 2007		NAME		
APVD S. FLICKINGER 11 JUN 2007		PRODUCT SPEC		
APPLICATION SPEC		SIZE		
MATERIAL		WEIGHT		
FINISH		CUSTOMER DRAWING		
SCALE 3:1		SHEET 3 OF 3		
REV A				