

LOC		DIST		REVISIONS					
GP		00		REV	LYR	DESCRIPTION	DATE	DWN	APVD
				A		NEW RELEASE	10SEP2007	RG	SF
				B		REV PER ECO-11-020831	14SEP2011	RG	MS

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-BERYLLIUM COPPER ALLOY
GUIDE PIN-BRASS ALLOY
3. FINISH:

CONTACTS - GOLD PLATE .76µm MIN. THK., OVER NICKEL
1.27µm MIN. THK
SOLDER TAILS- TIN 3.05 MIN. THK. OVER NICKEL 1.27µm MIN THK.
GUIDE PIN - NICKEL PLATE 1.27µm MIN THK.

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

YEAR 11 WEEK

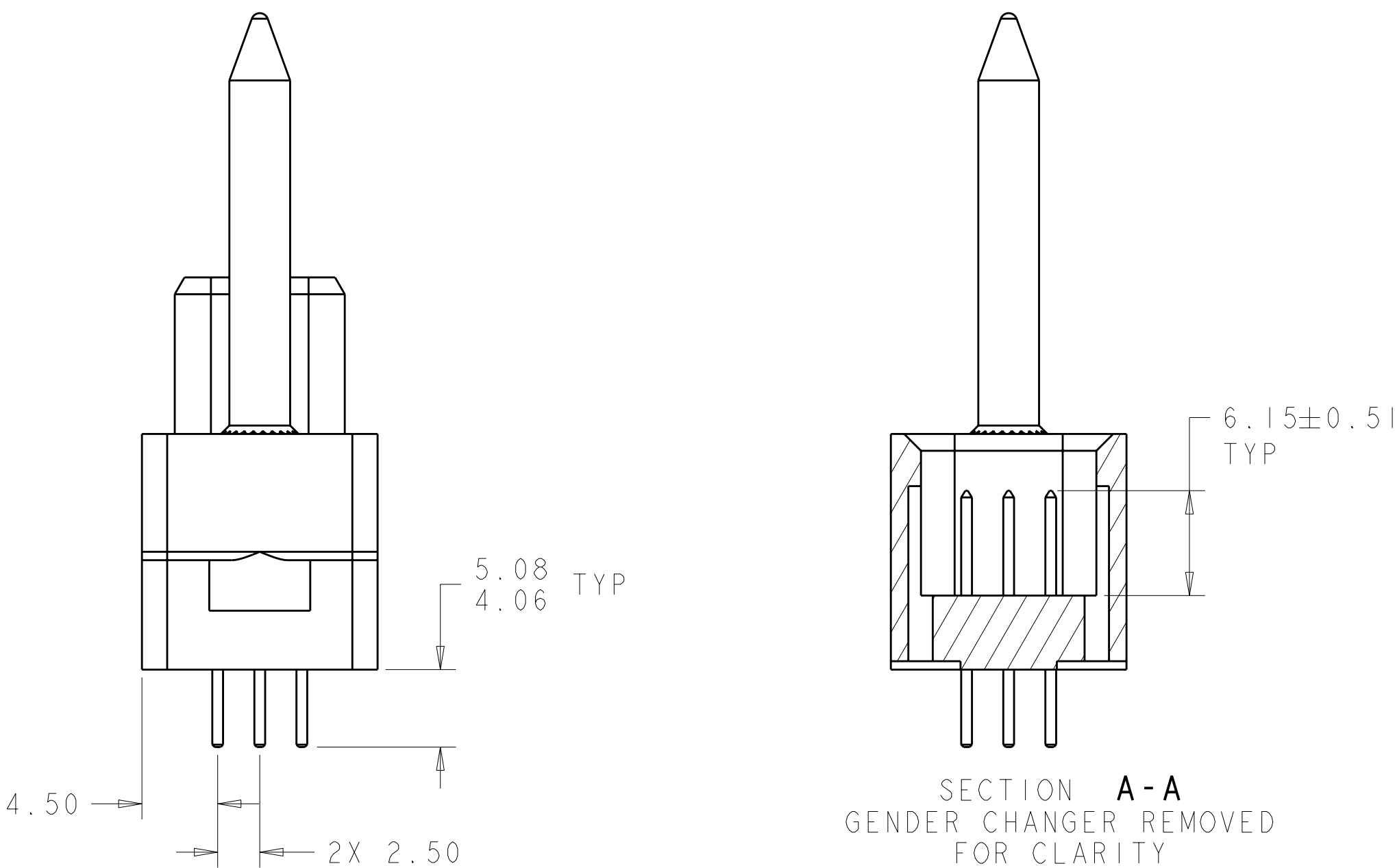
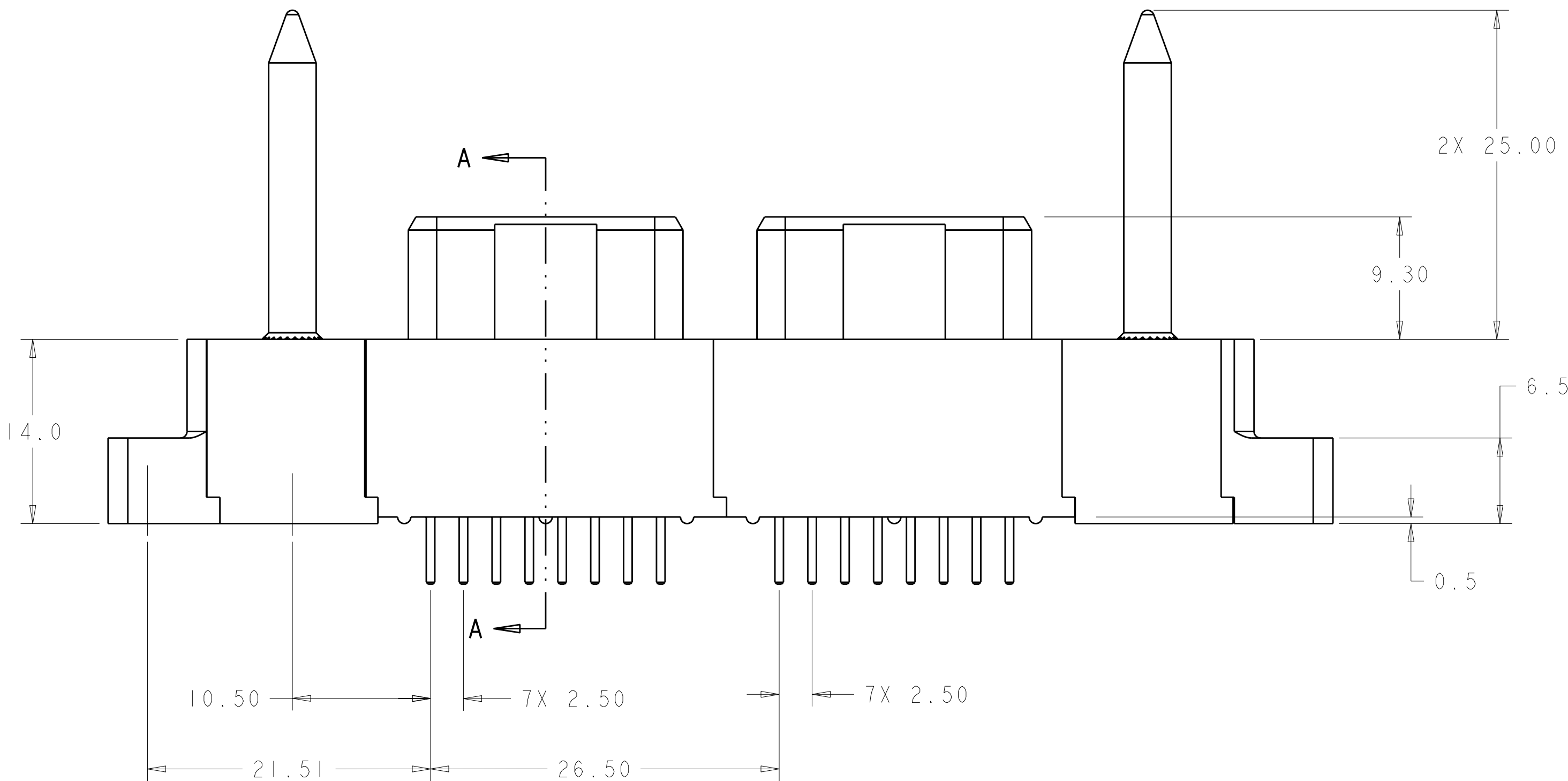
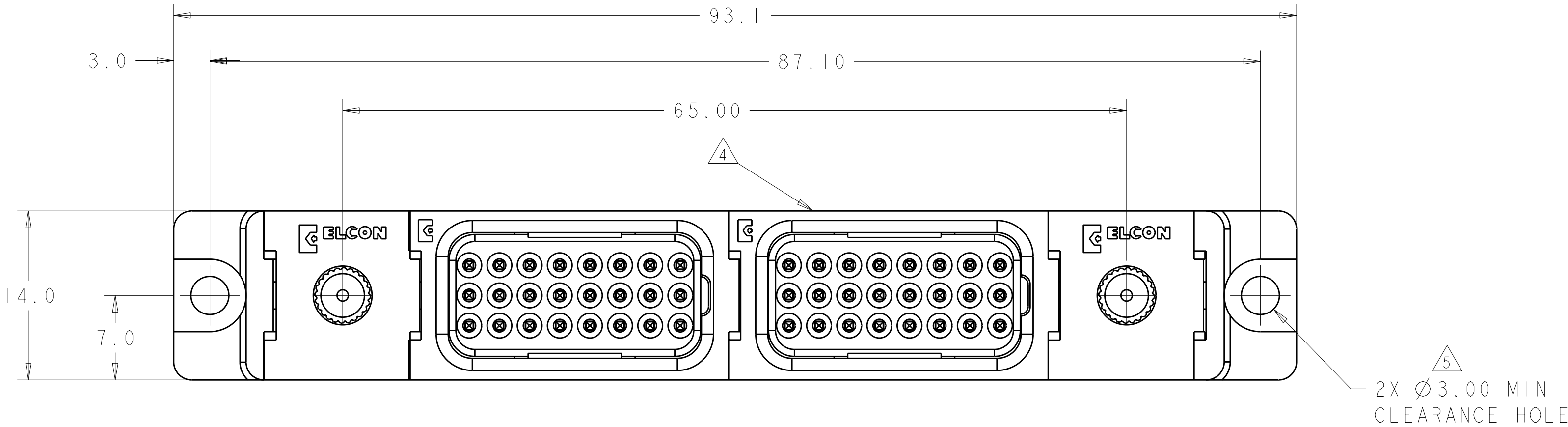
TYCO ELECTRONICS P/N

XXXXXXX-X

DATE CODE (e.g. 0106)

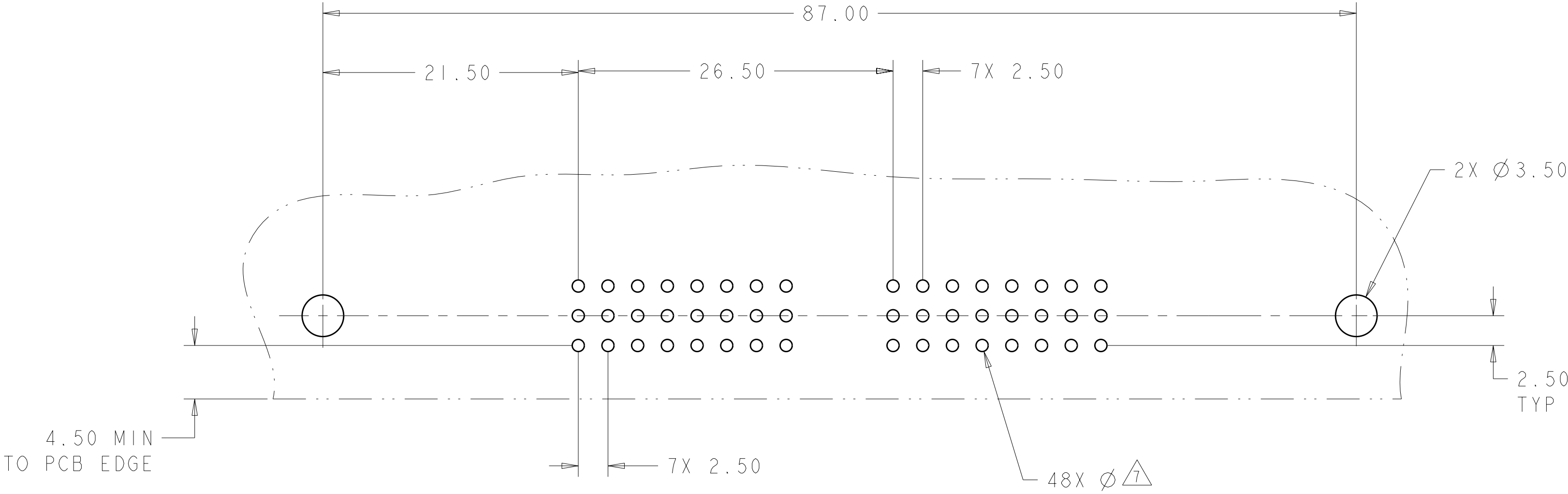
XXXX

△ MOUNTING FLANGES ACCEPT #6 SCREWS. (USER SUPPLIED)



AS SHOWN		6646377-1	
DESCRIPTION		PART NUMBER	
Tyco Electronics		Tyco Electronics	
Harrisburg, PA 17105-3608		Harrisburg, PA 17105-3608	
NAME		NAME	
SOCKET CONNECTOR		SOCKET CONNECTOR	
STRAIGHT, SOLDER TAILS		STRAIGHT, SOLDER TAILS	
FLATPAQ		FLATPAQ	
SIZE		CAGE CODE	
A100779		C=6646377	
CUSTOMER DRAWING		RESTRICTED TO	
SCALE		SHEET	
3:1		1 OF 3	
REV		REV	
B		B	

LOC		DIST		REVISIONS				
GP	00	F	LYR	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
SOCKET	FP301	2	22	48	.64 [.025] SQ.	3 amps	2.50 [.0984]	125 VOLTS
	FP503	2	STRAIGHT GUIDE PIN					
	FP500	1	MOUNTING FLANGE, LEFT					
	FP501	1	MOUNTING FLANGE, RIGHT					

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DWN
R.GRZYBOWSKI
CHK
S.FLICKINGER
APVD
S.FLICKINGER

10SEP107
10SEP107
10SEP107

NAME
Tyco Electronics
Harrisburg, PA 17105-3608

SIZE
A100779

CAGE CODE
C=6646377

DRAWING NO.
6646377

RESTRICTED TO
-

DIMENSIONS:
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
9 PLC ±.3 [.012]
2 PLC ±0.15 [.006]
3 PLC ±.
4 PLC ±.
ANGLES ±3
FINISH -

MATERIAL
-

WEIGHT
-

CUSTOMER DRAWING

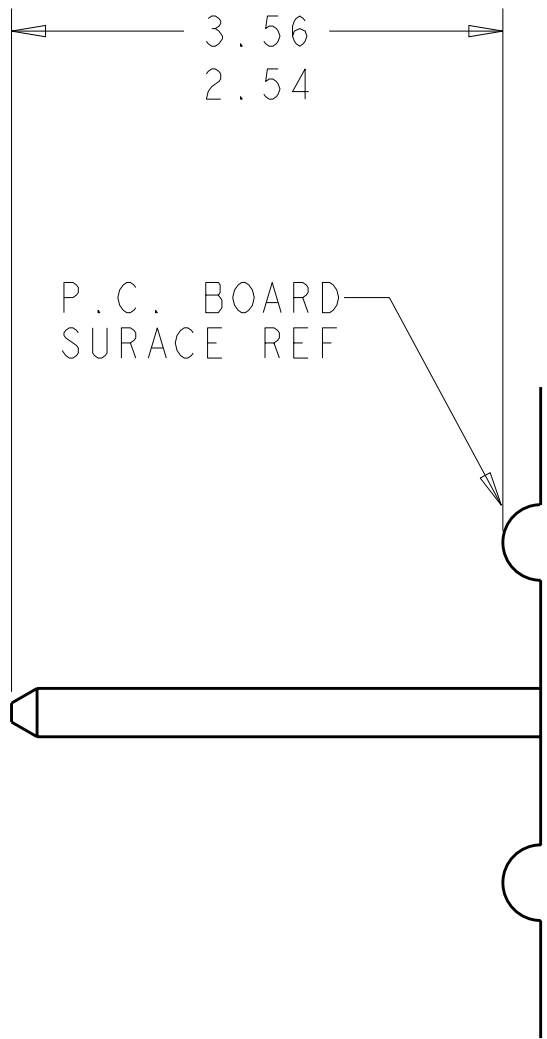
SCALE
3:1

SHEET
2

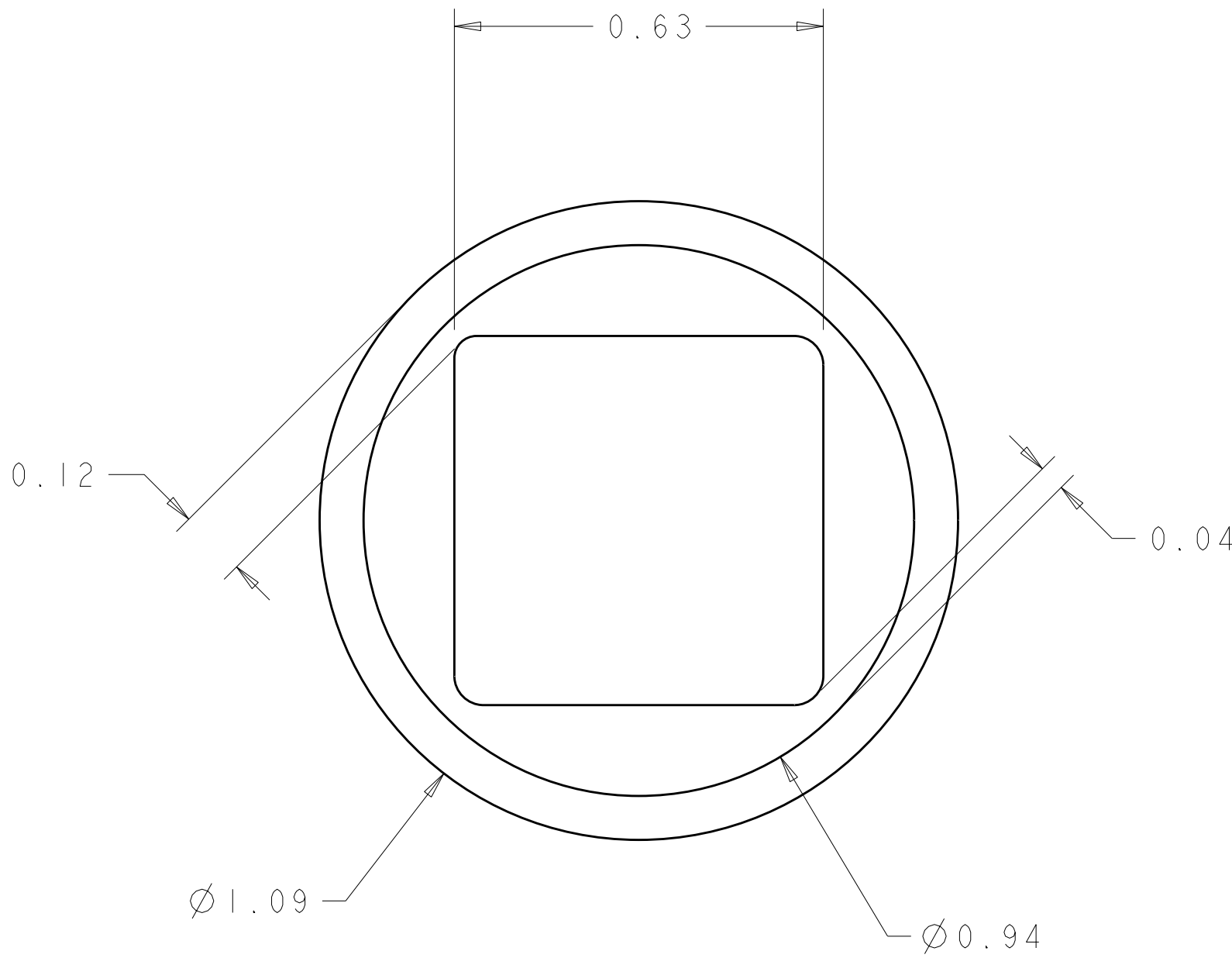
OF
3

REV
B

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



6. SOLDER PIN DETAIL
SCALE 10 : 1



SOLDER TERMINATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT SOLDER HOLE
FINISHED HOLE: Ø1.02 [.040] ±.08 [.003]
DRILLED HOLE: Ø1.15 [.0453] ±.013 [.0005]
COPPER PLATE: .025 [.0010] MIN
TIN PLATE: .008 [.0003] MIN. (PER SURFACE)

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DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK S. FLICKINGER JOSEPT07	NAME SOCKET CONNECTOR STRAIGHT, SOLDER TAILS FLATPAQ			
mm				APVD S. FLICKINGER JOSEPT07				
		0 PLC ± .		PRODUCT SPEC				
		1 PLC ± .003 (.012)		APPLICATION SPEC				
		2 PLC ± .005 (.008)				SIZE		
		3 PLC ± .				CAGE CODE		
		4 PLC ± .				DRAWING NO		
		4 PLC ANGLES ± .#3				RESTRICTED TO		
MATERIAL		FINISH		WEIGHT		A100779C=6646377		
CUSTOMER DRAWING				SCALE		SHEET		
				3:1		3 OF 3		
						REV B		

Mouser Electronics

Authorized Distributor

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[6646377-1](#)