

LOC		DIST		REVISIONS					
GP		00		P	LTR	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

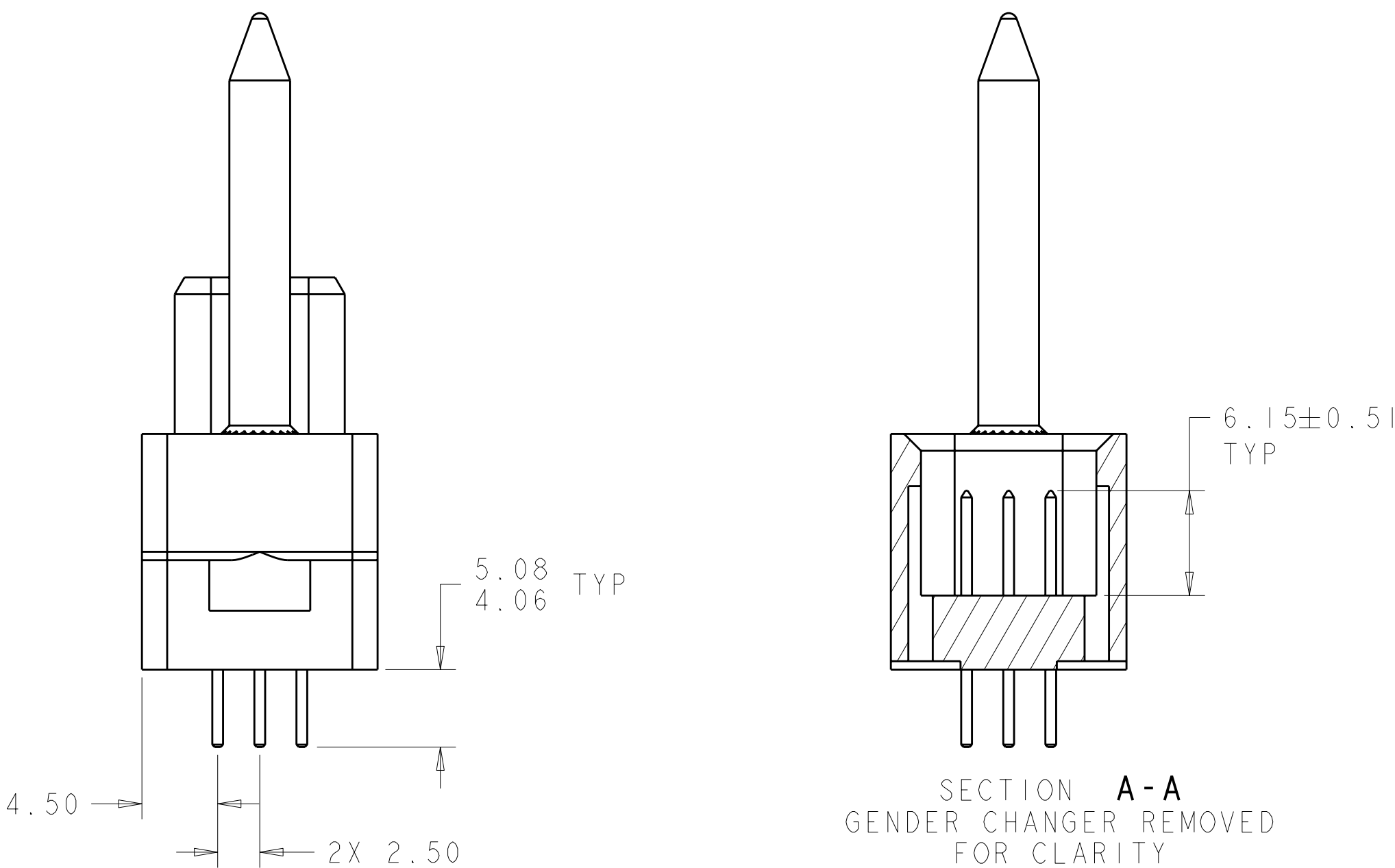
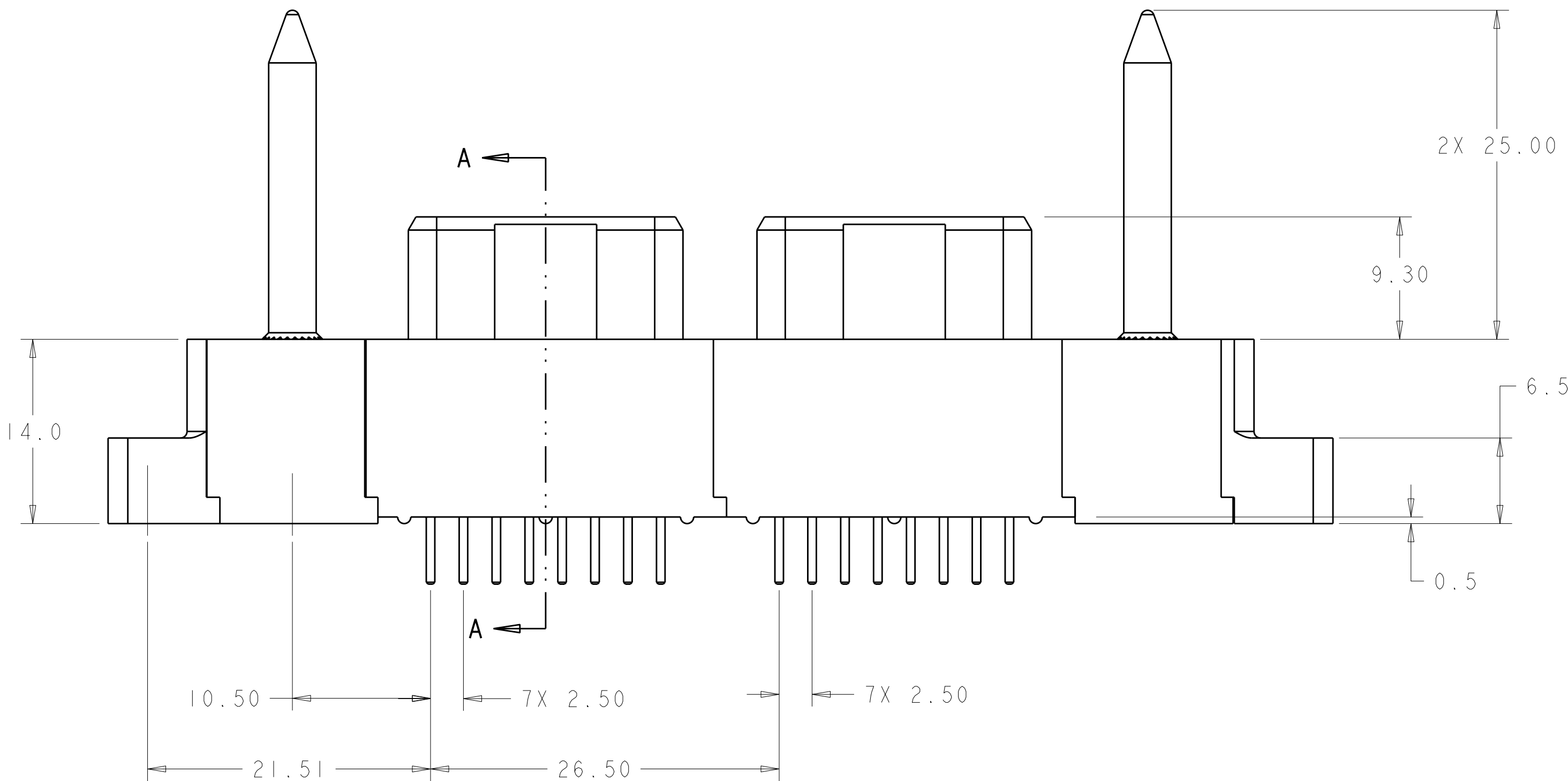
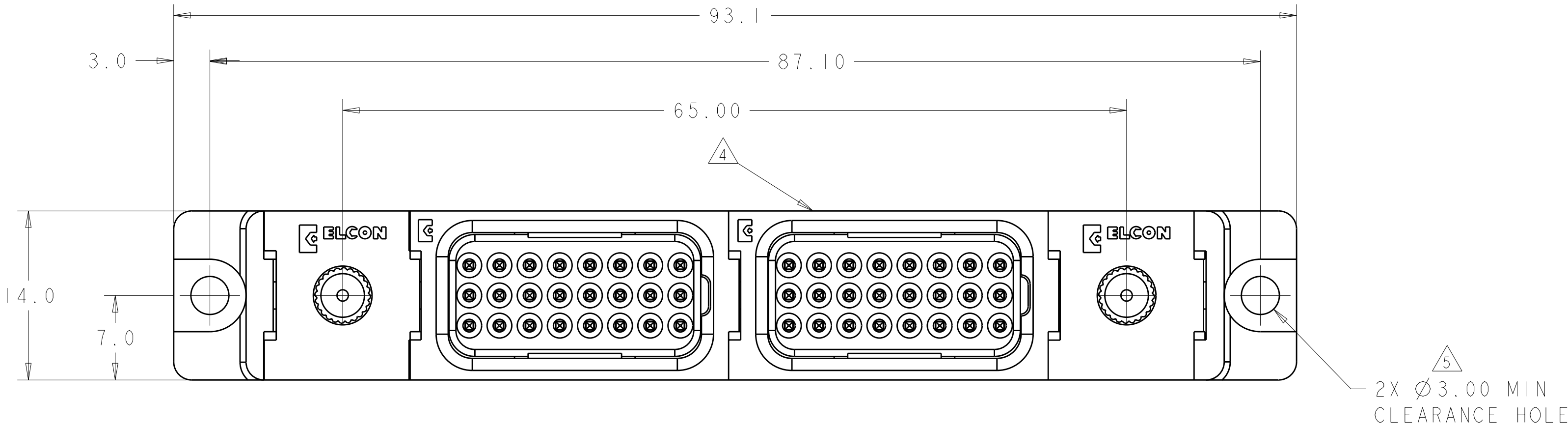
TYCO ELECTRONICS P/N

XXXXXXX-X

DATE CODE (e.g. 0106)

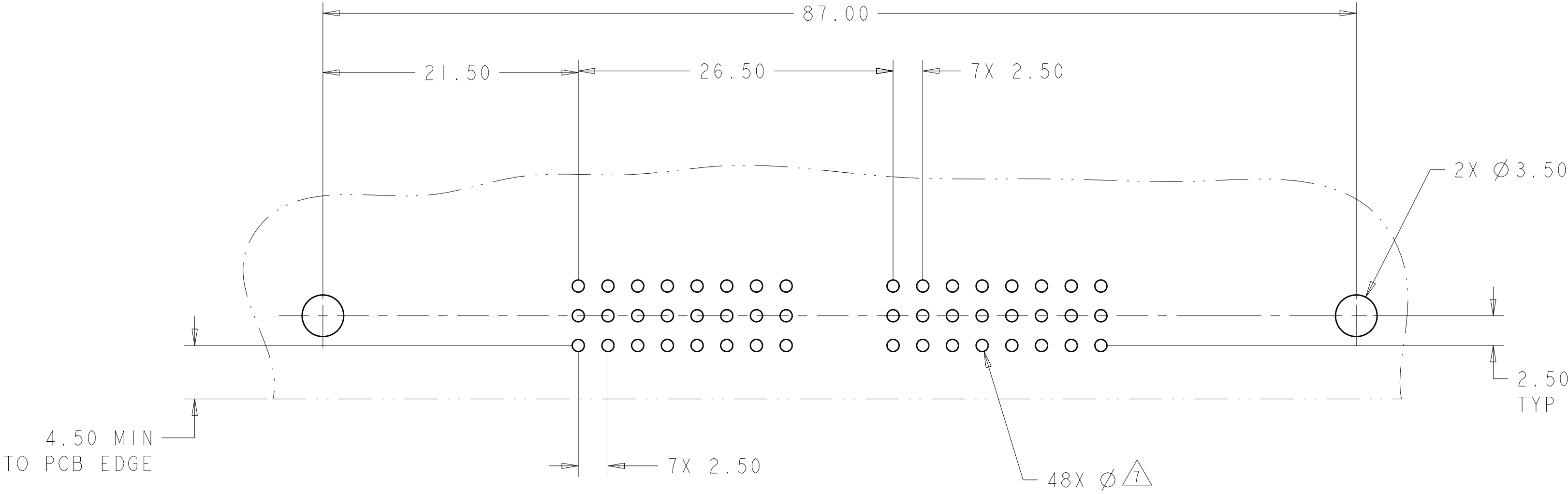
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△ MOUNTING FLANGES ACCEPT #6 SCREWS. (USER SUPPLIED)



AS SHOWN		6646377-1	
DESCRIPTION		PART NUMBER	
Tyco Electronics		Tyco Electronics Harrisburg, PA 17105-3608	
DWN R. GRZYBOWSKI 10SEP107		NAME	
CHK S. FLICKINGER 10SEP107		SOCKET CONNECTOR STRAIGHT, SOLDER TAILS FLATPAQ	
APVD S. FLICKINGER 10SEP107		SIZE CAGE CODE DRAWING NO	
PRODUCT SPEC		A100779C=6646377	
APPLICATION SPEC		RESTRICTED TO	
WEIGHT		SCALE 3:1 SHEET 1 OF 3 REV B	
CUSTOMER DRAWING			

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.
C=6646377

RESTRICTED TO
-

DIMENSIONS:
mm

9 PLC
1 PLC
2 PLC
3 PLC
4 PLC
ANGLES
FINISH

±
±0.3 [.012]
±
±0.15 [.006]
±
±
±.3
-

MATERIAL
-

FINISH
-

WEIGHT
-

CUSTOMER DRAWING

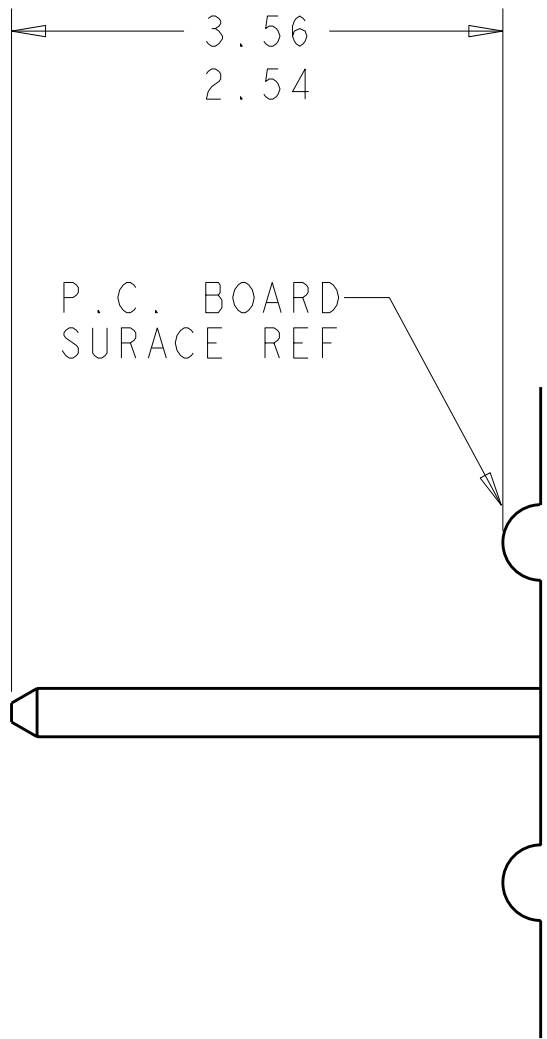
SCALE
3:1

SHEET
2

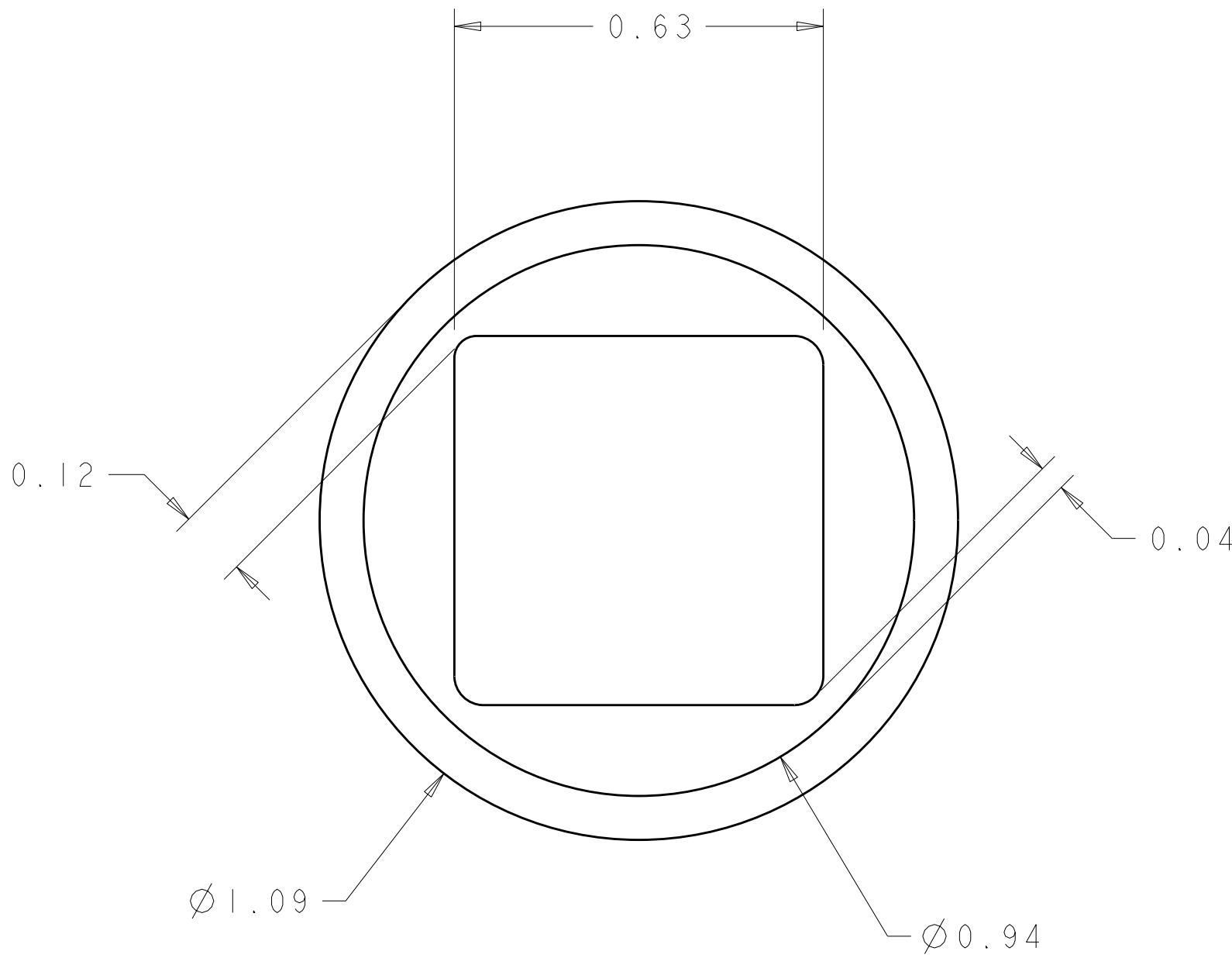
OF
3

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 ± .012		APPLICATION SPEC			
		2 PLC ± .008				SIZE	
		3 PLC ± .				CAGE CODE	
		4 PLC ± .				DRAWING NO	
		ANGLES ± .				RESTRICTED TO	
MATERIAL		FINISH		WEIGHT		A 100779C=6646377	
CUSTOMER DRAWING				SCALE		SHEET	
				3:1		3 OF 3	
						REV B	