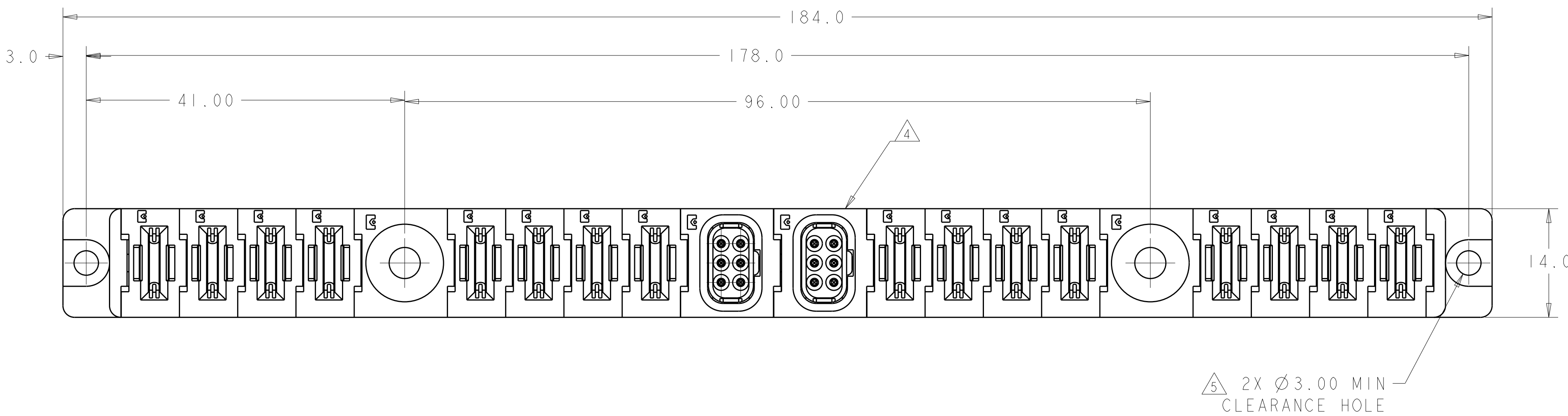


LOC		DIST		REVISIONS					
GP		00		REV	LYR	DESCRIPTION	DATE	DWN	APVD
				A		PROPOSED DESIGN	3SEPT08	RG	MP



1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TYCO ELECTRONICS APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

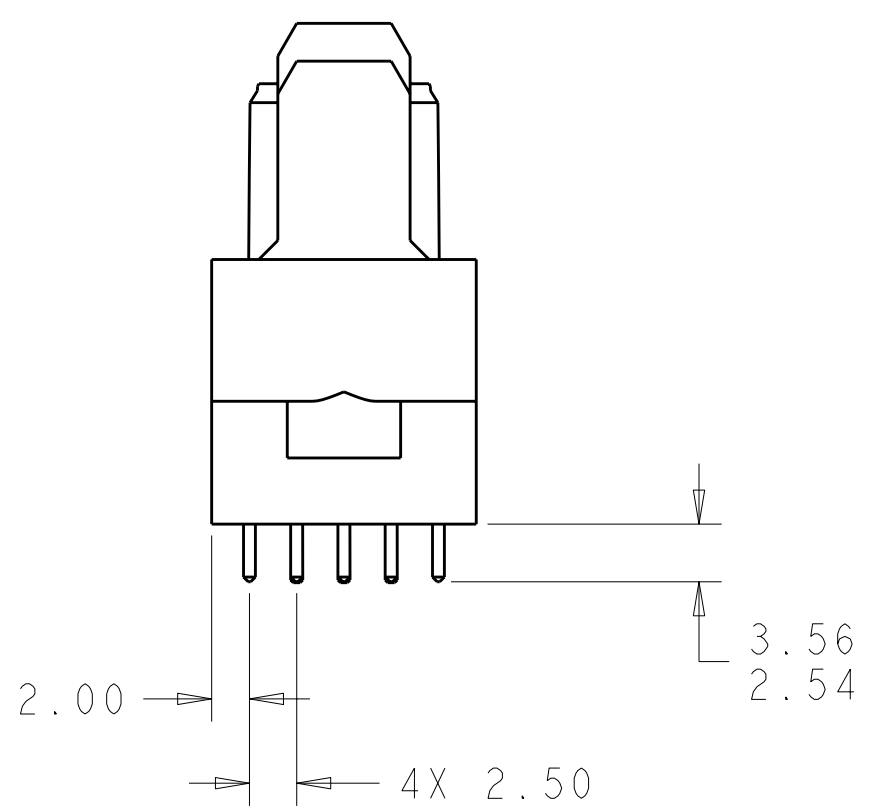
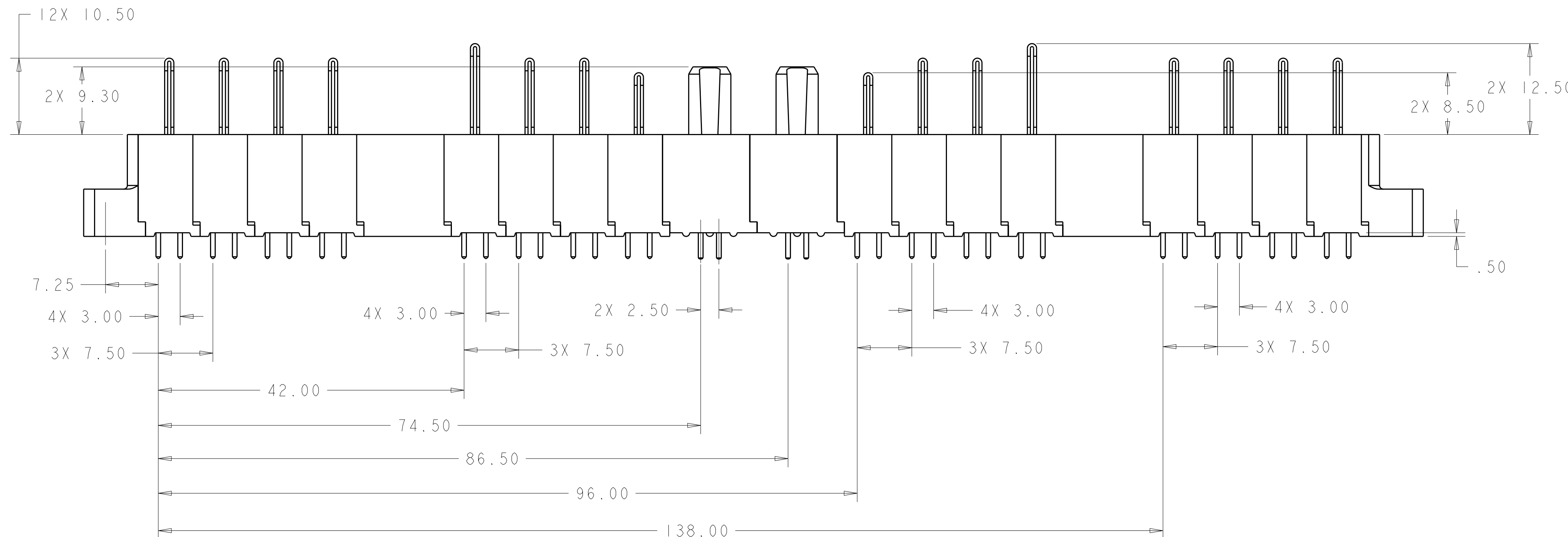
2 MATERIAL: INSULATORS - THERMOPLASTIC, GLASS REINFORCED, COLOR: BLACK
UL94V-0 FLAMMABILITY RATED.
POWER CONTACTS - PHOSPHOR BRONZE ALLOY, COPPER ALLOY
SOLDER SIGNAL PINS-BRASS ALLOY
CROWN BAND-BERYLLIUM COPPER ALLOY
GUIDE PIN-BRASS COPPER ALLOY

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

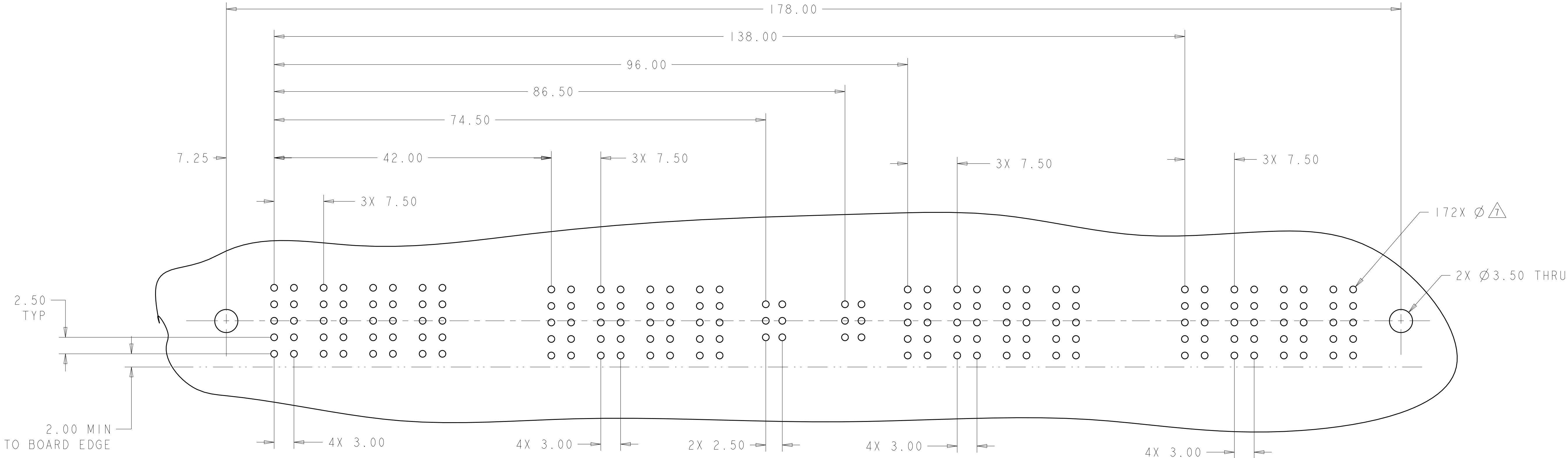
TYCO ELECTRONICS P/N DATE CODE (e.g. 0106)
XXXXXXX-X XXXX
YEAR 1 WEEK

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



AS SHOWN		6646659-1	
DESCRIPTION		PART NUMBER	
Tyco Electronics Harrisburg, PA 17105-3608		NAME	
DWN R.GRZYBOWSKI 3SEPT08 CHK M.PERCHERKE 3SEPT08 APVD M.PERCHERKE 3SEPT08		PRODUCT SPEC	
APPLICATION SPEC		SIZE CAGE CODE DRAWING NO	
MATERIAL		WEIGHT	
FINISH		CUSTOMER DRAWING	
RESTRICTED TO		SCALE 3:1 SHEET 1 OF 3 REV A	

LOC		DIST		REVISIONS				
GP	00	P	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	FPI03	2	8	2	1.25 X 7.00 [.049 X .276]	35 amps	7.50 [.2953]	250 VOLTS
	FPI02	2	8	2	1.25 X 7.00 [.049 X .276]	35 amps	7.50 [.2953]	250 VOLTS
	FPI01	12	8	12	1.25 X 7.00 [.049 X .276]	35 amps	7.50 [.2953]	250 VOLTS
	FP313	2	22	6	.64 [.025] SQ.	3 amps	2.50 [.0984]	125 VOLTS
	FP500	1	LEFT MOUNTING FLANGE					
	FP501	1	RIGHT MOUNTING FLANGE					
	FP502	2	STRAIGHT GUIDE SOCKET					

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IT IS SUBJECT TO CHANGE WITHOUT NOTICE.
IT IS SUBJECT TO CHANGE WITHOUT NOTICE.

DIMENSIONS:

mm

MATERIAL

-

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

9 PLC ±.5

1 PLC ±.5

2 PLC ±.25

3 PLC ±.5

4 PLC ±.5

ANGLES ±.5

FINISH

-

DWN R. GRZYBOWSKI 3SEPT08

CHK M. PERCHERKE 3SEPT08

APVD M. PERCHERKE 3SEPT08

NAME

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

-

CUSTOMER DRAWING

Tyco Electronics
Harrisburg, PA 17105-3608

SIZE A100779

CAGE CODE C=6646659

DRAWING NO

RESTRICTED TO

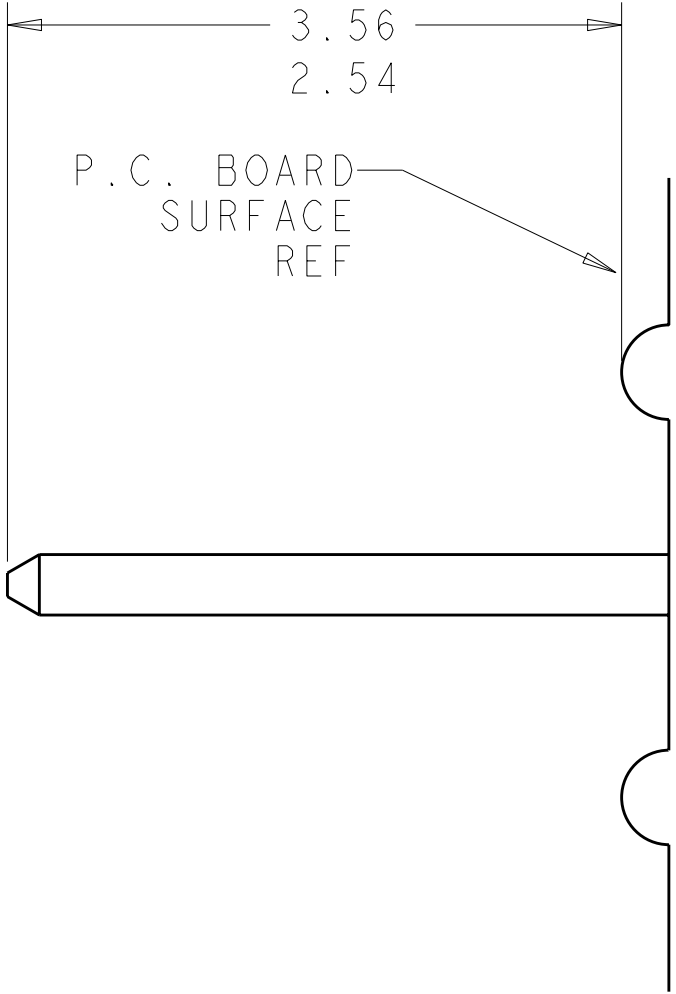
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SCALE 3:1

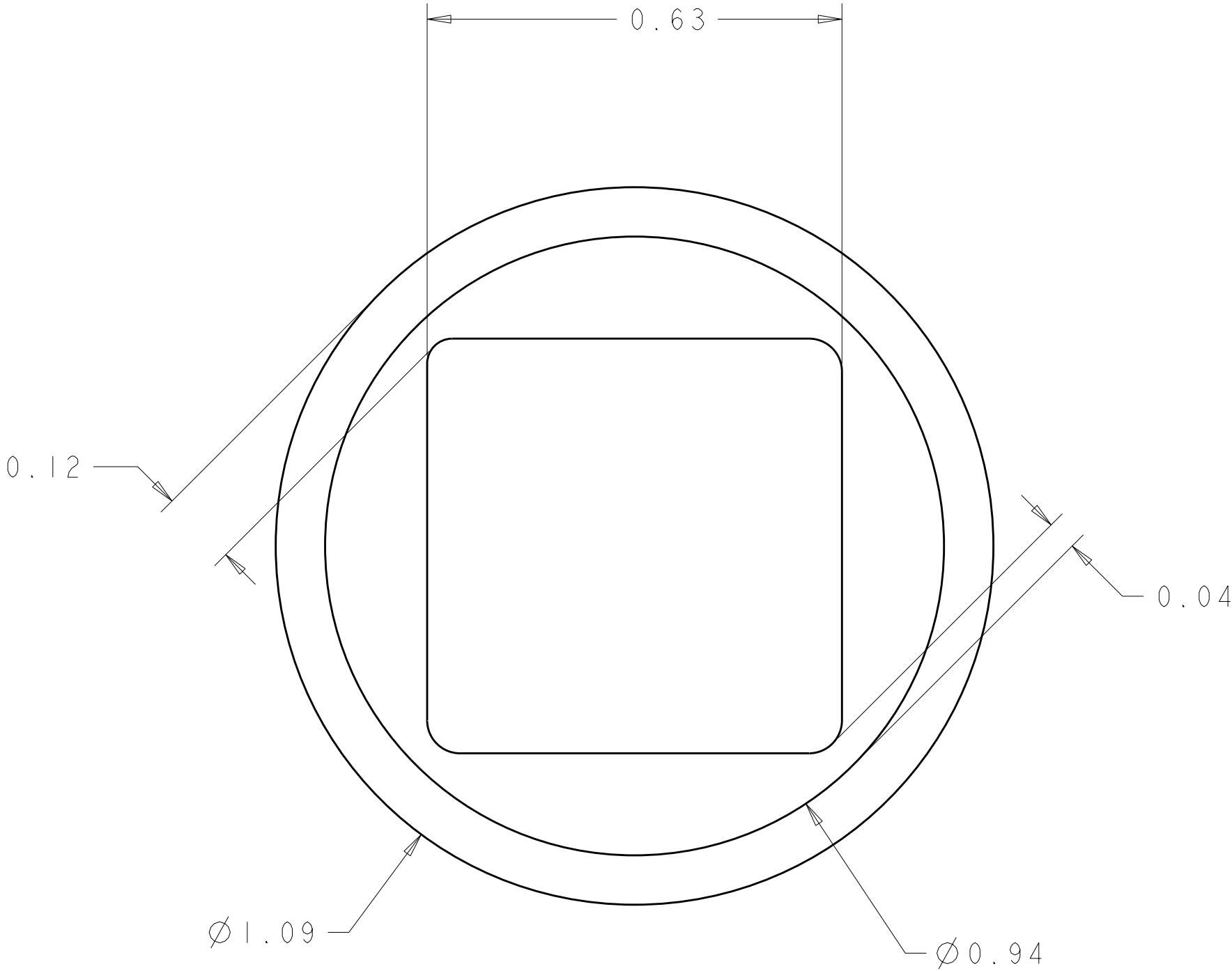
SHEET 2 OF 3

REV A

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



6. SOLDER PIN DETAIL
SCALE 10 : 1



7. 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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CHK M. PERCHERKE 3SEPT08		APVD M. PERCHERKE 3SEPT08	NAME SOCKET CONNECTOR ASSEMBLY STRAIGHT, SOLDER TAILS FLATPAQ	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	RESTRICTED TO
Ø		Ø PLC ±.5	APPLICATION SPEC	SIZE
Ø		Ø PLC ±.25	WEIGHT	CAGE CODE
Ø		Ø PLC ±.5	CUSTOMER DRAWING	DRAWING NO
Ø		Ø PLC ±.5	SCALE	SHEET
Ø		Ø PLC ±.5	3:1	3
Ø		Ø PLC ±.5	OF	3
Ø		Ø PLC ±.5	REV	A