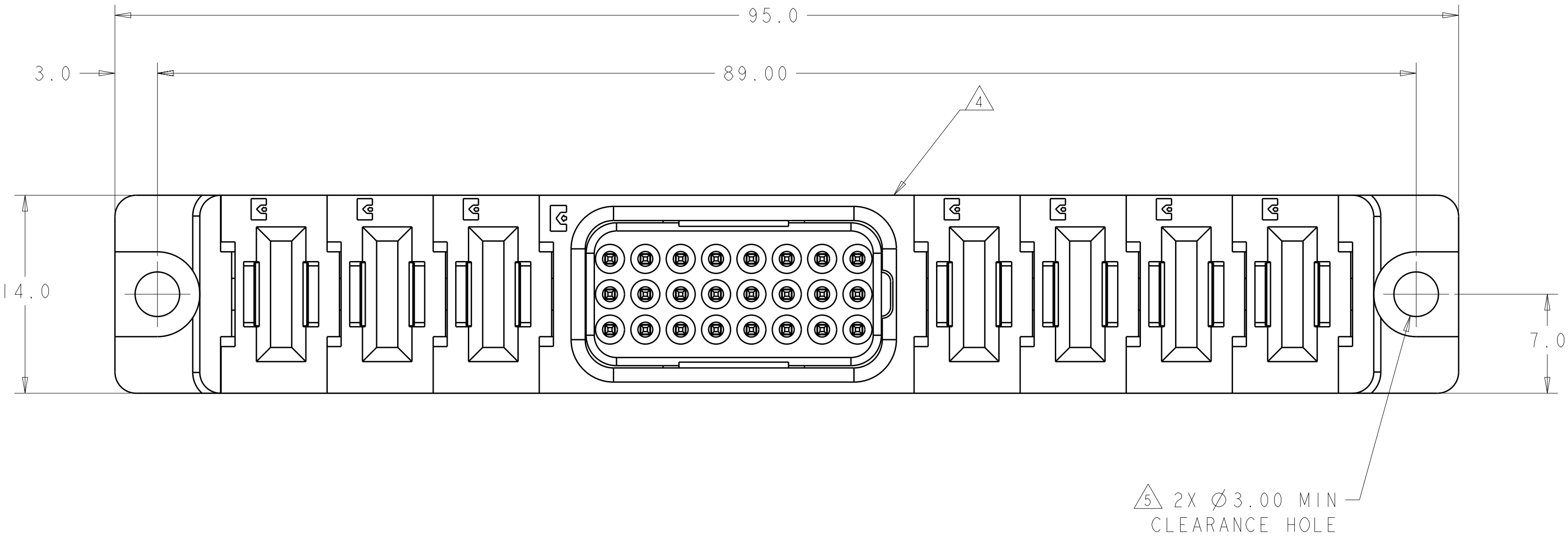


LOC		DIST		REVISIONS						
GP	00	P	LTR	DESCRIPTION			DATE	DWN	APVD	
			A	RELEASED			22 JUL 2009	RG	MS	



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

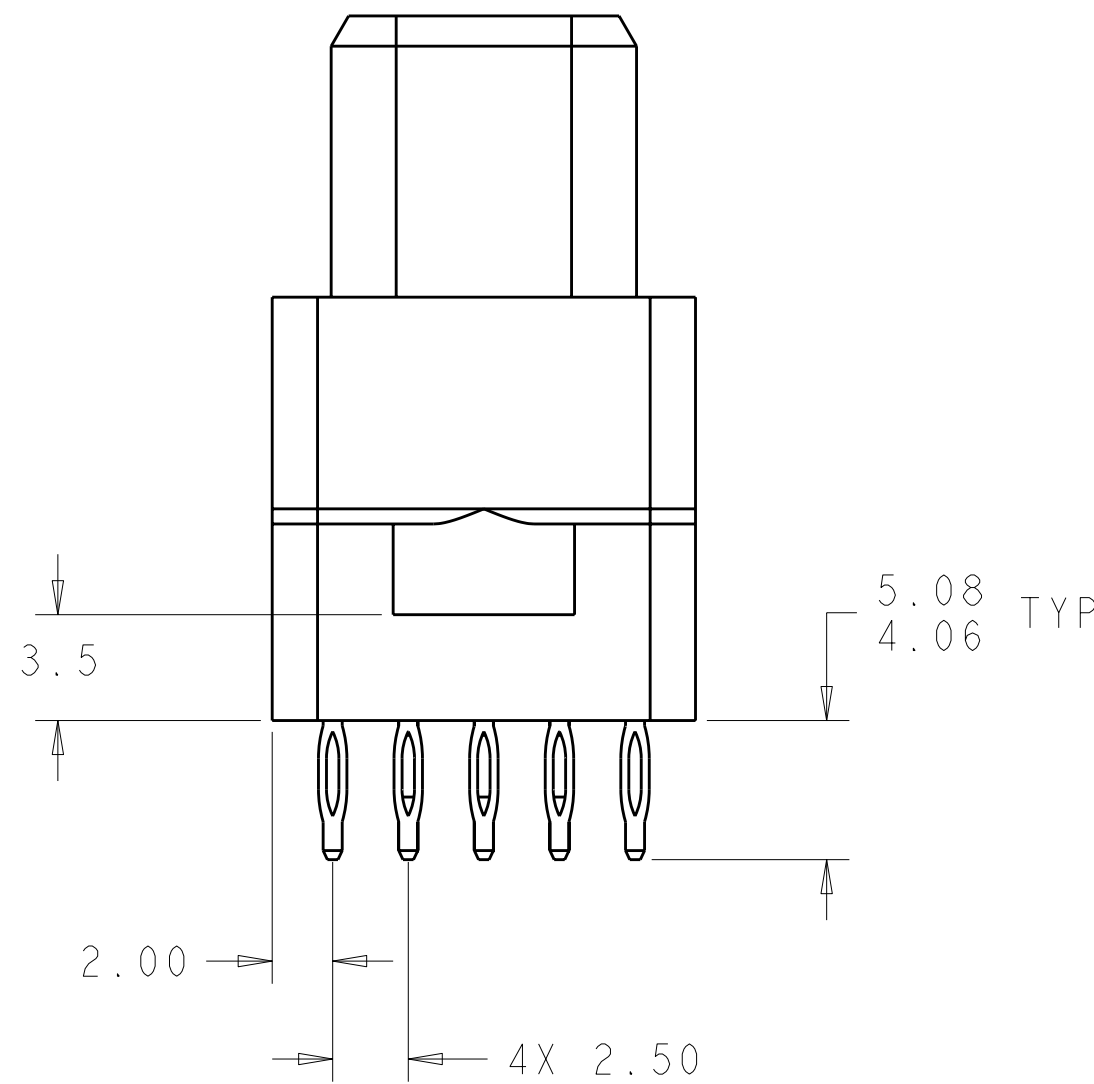
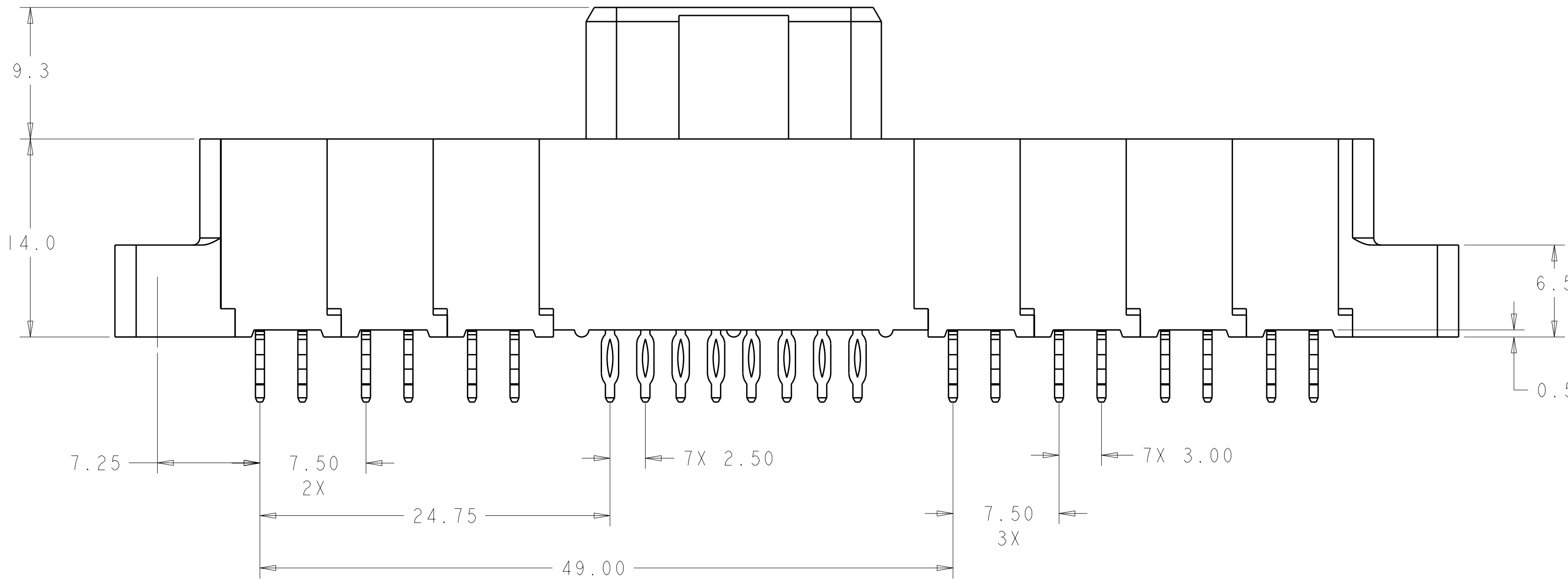
2 MATERIAL:
INSULATORS - THERMOPLASTIC, GLASS REINFORCED, COLOR: BLACK, UL94V-0 FLAMMABILITY RATED.
CROWN BANDS - PHOSPHOR BRONZE
COPPER ALLOY
POWER CONTACTS - COPPER ALLOY
SIGNAL CONTACTS - PHOSPHOR BRONZE

3 FINISH:
CONTACTS - GOLD PLATE .76µm MIN. THK. OVER
NICKEL 1.27µm MIN. THK.
COMPLIANT TAILS - MATTE TIN 1.02 MIN. THK. OVER
NICKEL 1.27µm MIN THK.

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

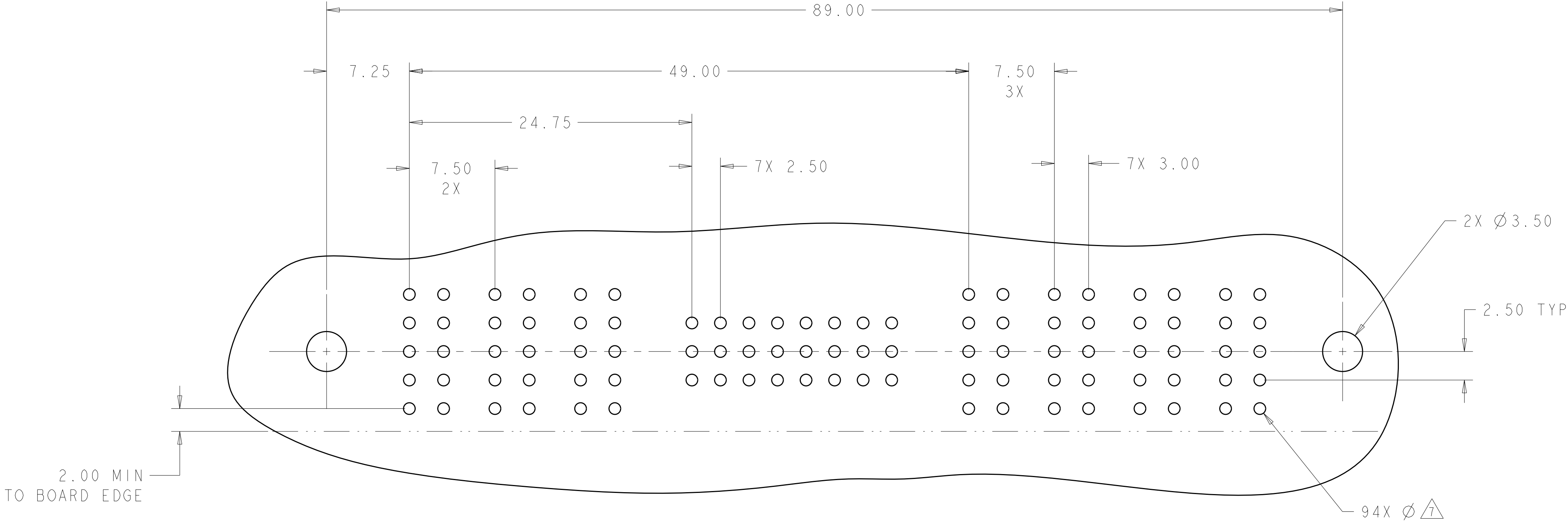
TYCO ELECTRONICS P/N DATE CODE (e.g. 0106)
XXXXXXX-X XXXX

5 MOUNTING FLANGES ACCEPT M3 OR #4-40 SCREWS (USER SUPPLIED)



AS SHOWN		6646430-1	
DESCRIPTION		PART NUMBER	
Tyco Electronics		Tyco Electronics	
Harrisburg, PA 17105-3608		Harrisburg, PA 17105-3608	
NAME		NAME	
SOCKET CONNECTOR ASSEMBLY		SOCKET CONNECTOR ASSEMBLY	
STRAIGHT, COMPLIANT TAIL		STRAIGHT, COMPLIANT TAIL	
FLATPAQ		FLATPAQ	
SIZE		SIZE	
CAGE CODE		CAGE CODE	
DRAWING NO		DRAWING NO	
RESTRICTED TO		RESTRICTED TO	
A100779		A100779	
C=6646430		C=6646430	
CUSTOMER DRAWING		CUSTOMER DRAWING	
SCALE		SCALE	
4:1		4:1	
SHEET		SHEET	
1		1	
OF		OF	
3		3	
REV		REV	
A		A	

LOC	DIST	REVISIONS					
GP	00	F	LTR	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	FP400	1	22	24	.64 [.025] SQ.	3 amps	2.50 [.0984]	125
	FP200	7	8	7	1.25 X 7.00 [.049 X .276]	35 amps	7.50 [.2953]	250
	FP500	1	LEFT MOUNTING FLANGE					
	FP501	1	RIGHT MOUNTING FLANGE					

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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 -

FINISH

-

DWN R. GRZYBOWSKI 22JUL2009

CHK M. SYKES 22JUL2009

APVD M. PERCHER 22JUL2009

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

Tyco Electronics
Harrisburg, PA 17105-3608

NAME

SIZE CAGE CODE DRAWING NO

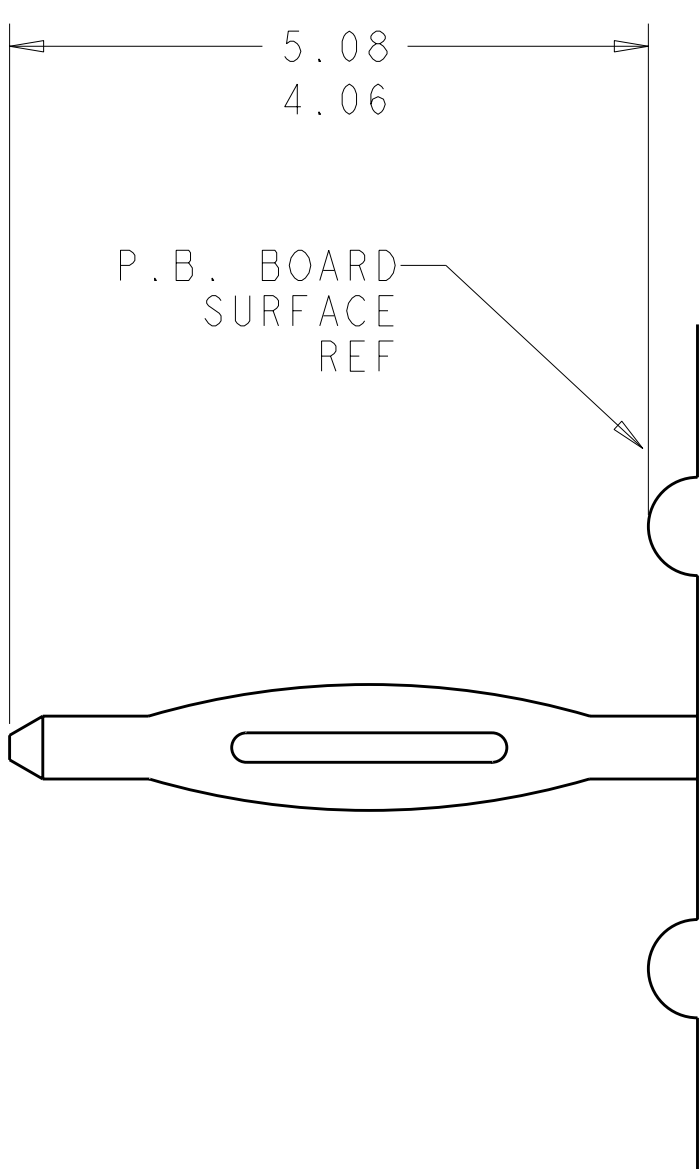
RESTRICTED TO

SOCKET CONNECTOR ASSEMBLY
STRAIGHT, COMPLIANT TAIL
FLATPAQ

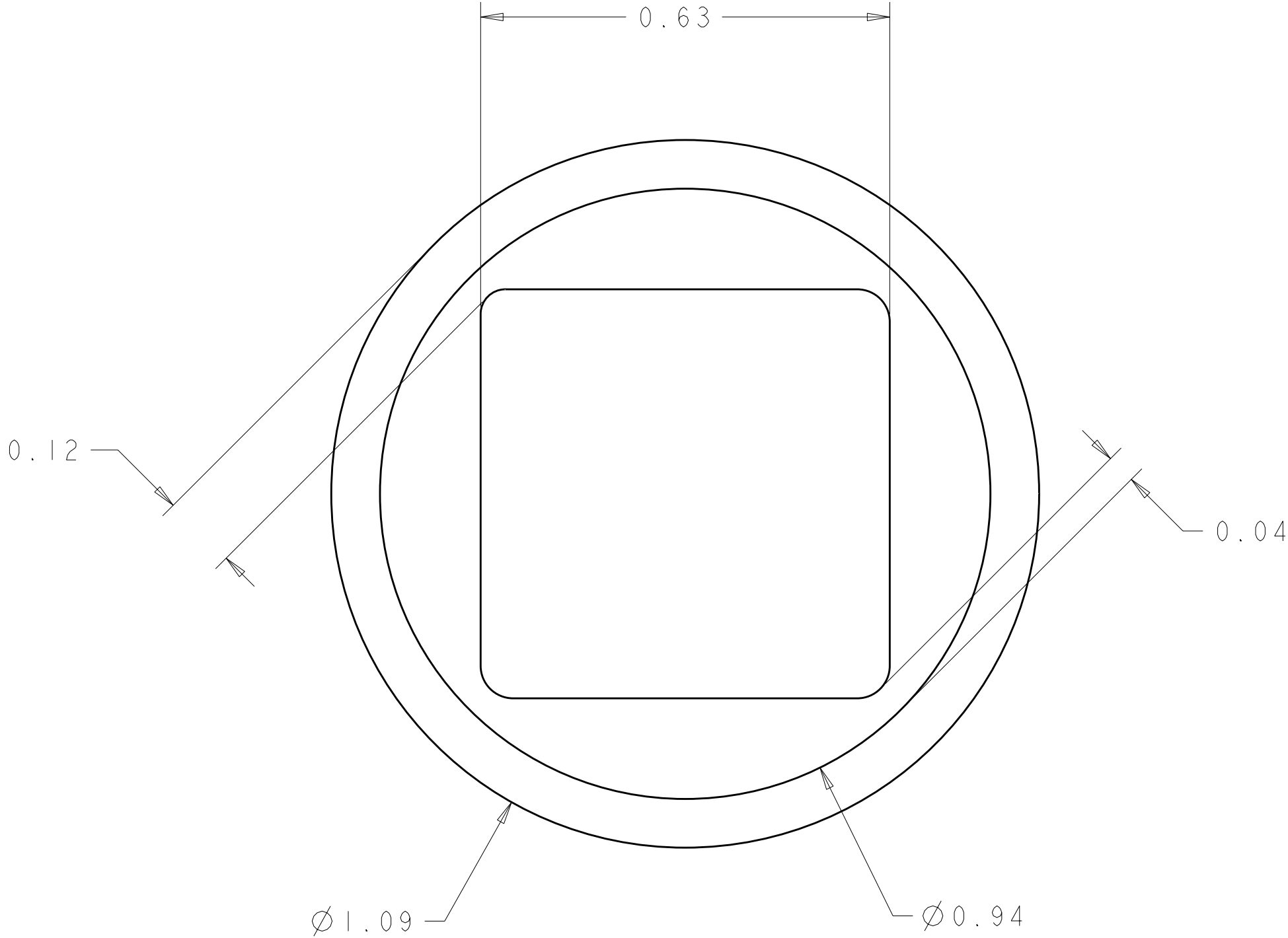
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SCALE 4:1 SHEET 2 OF 3 REV A

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



6. COMPLIANT PIN DETAIL
SCALE 10 : 1
INSERTION/EXTRACTION FORCES
MAXIMUM PUSH IN: 133.3N PER PIN
[30 LBS]
MINIMUM PUSH OU: 44.4N PER PIN
[10 LBS]



 SOLDER TERMNIATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT HOLE
COMPLIANT PRESS FIT
FINISHED HOLE: $\varnothing 1.02 \pm .08$
DRILLED HOLE: $\varnothing 1.15 \pm .013$
COPPER PLATE: .025 MIN
TIN PLATE: .008 MIN. (PER SURFACE)