

LOC		DIST		REVISIONS			
F	LTR	DESCRIPTION		DATE	DWN	APVD	
	A	RELEASED		12JAN2009	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.

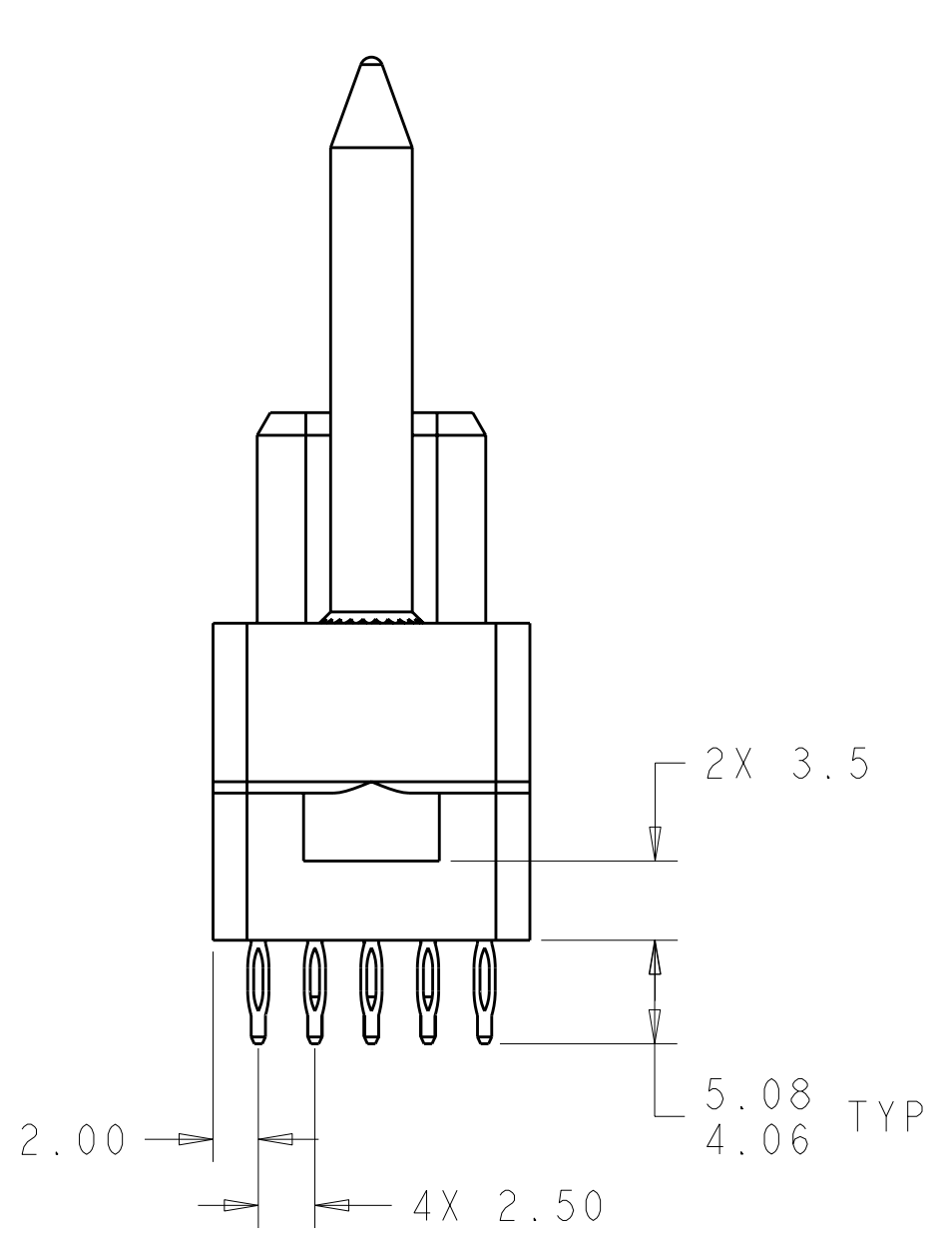
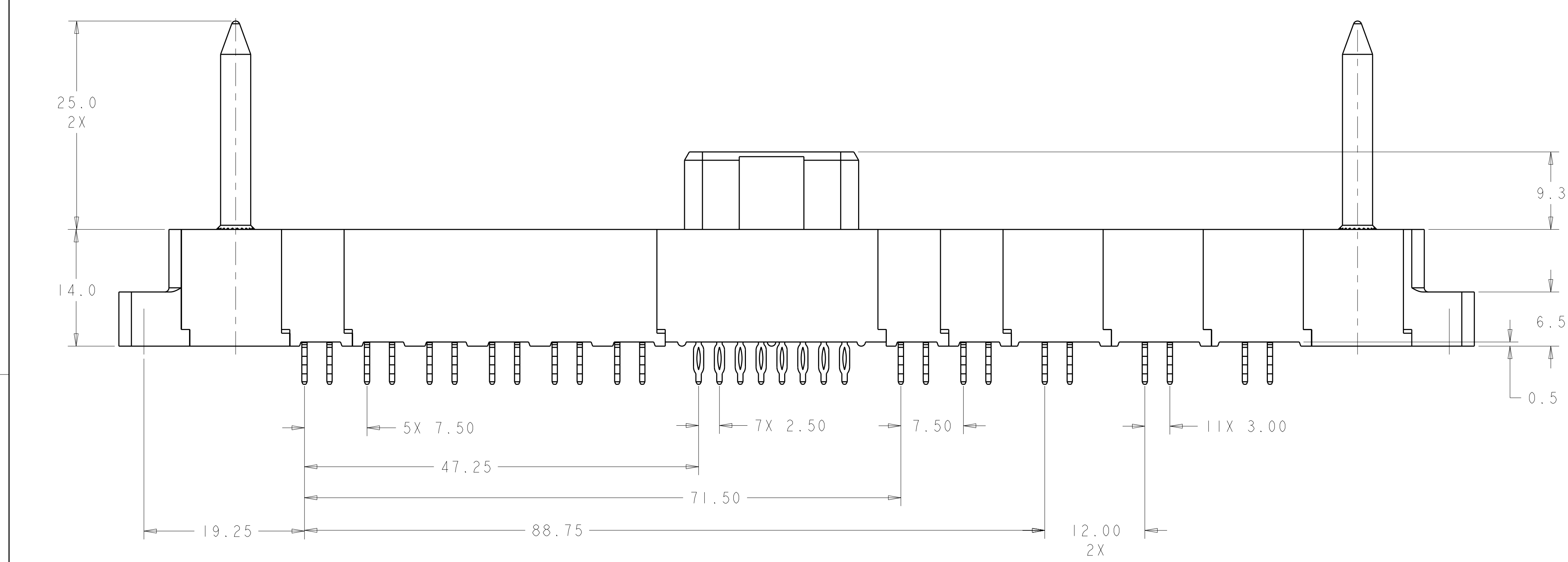
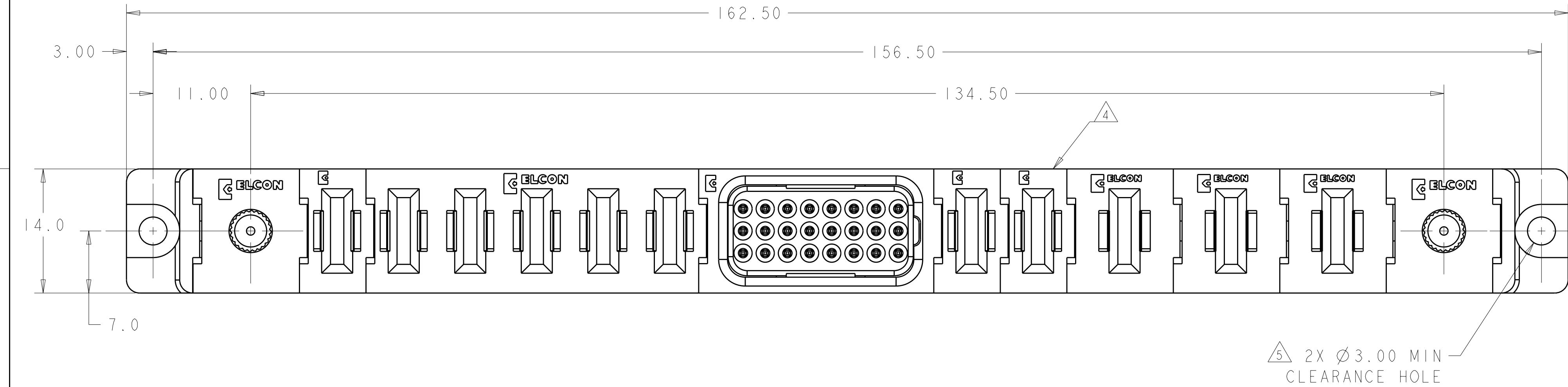
2 MATERIAL: INSULATORS - THERMOPLASTIC, GLASS REINFORCED, COLOR: BLACK
UL94V-0 FLAMMABILITY RATED.
POWER CONTACTS - PHOSPHOR BRONZE ALLOY, COPPER ALLOY
CROWN BAND-BERYLLIUM COPPER ALLOY
PRESS-FIT CONTACTS-BERYLLIUM COPPER ALLOY

3 FINISH: CONTACTS - GOLD PLATE .76µm MIN. THK., OVER NICKEL
1.27µm MIN. THK
PRESS-FIT TAILS- 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

YEAR 11 WEEK
TYCO ELECTRONICS P/N DATE CODE (e.g. 0106)
XXXXXX-X XXXX

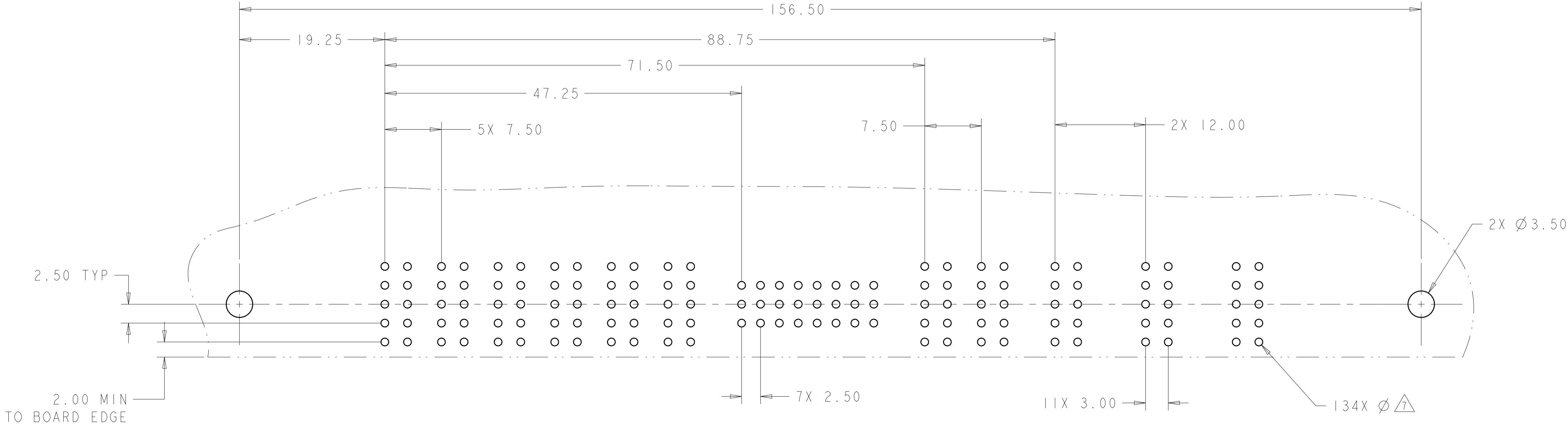
5 MOUNTING FLANGE ACCEPTS M3 OR #4-40 SCREWS. (USER SUPPLIED).



ELCON FLATPAQ

AS SHOWN		6646329-1	
DESCRIPTION		PART NUMBER	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm		9 PLC ±.5	
		1 PLC ±.5	
		3 PLC ±.25	
		4 PLC ±.5	
		ANGLES ±.3	
FINISH		FINISH	
MATERIAL		MATERIAL	
CUSTOMER DRAWING		CUSTOMER DRAWING	
DWN		12JAN2009	
CHK		12JAN2009	
P.DAMATO		12JAN2009	
APVD		12JAN2009	
M. PERCHERKE		12JAN2009	
PRODUCT SPEC		PRODUCT SPEC	
APPLICATION SPEC		APPLICATION SPEC	
WEIGHT		WEIGHT	
CUSTOMER DRAWING		CUSTOMER DRAWING	
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=6646329		C=6646329	
SCALE		SCALE	
3:1		3:1	
SHEET		SHEET	
1		1	
OF		OF	
3		3	
REV		REV	
A		A	

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	FP200	8	8	8	1.25 X 7.00	35 amps	7.50	250 VOLTS
	FP216	3	8	3	1.25 X 7.00	35 amps	12.00	600 VOLTS
	FP401	1	22	24	.64 SQ.	3 amps	2.50	125 VOLTS
	FP503	2	STRAIGHT GUIDE PIN, PASSIVE					
	FP501	1	RIGHT MOUNTING FLANGE					
	FP500	1	LEFT MOUNTING FLANGE					

THIS DRAWING IS UNPUBLISHED. IT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR THE LATEST REVISION.

DIMENSIONS:

mm

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

9 PLC ±.5

1 PLC ±.5

2 PLC ±.25

3 PLC ±.25

4 PLC ±.25

ANGLES ±.3

FINISH

-

DWN

R. GRZYBOWSKI

12JAN2009

CHK

P. DAMATO

12JAN2009

APVD

M. PERCHERKE

12JAN2009

PRODUCT SPEC

-

APPLICATION SPEC

-

WEIGHT

-

CUSTOMER DRAWING

Tyco Electronics
Harrisburg, PA 17105-3608

NAME

SOCKET CONNECTOR ASSEMBLY
STRAIGHT, COMPLIANT TAIL
FLATPAQ

SIZE

A

CAGE CODE

00779

DRAWING NO

6646329

RESTRICTED TO

-

SCALE

3:1

SHEET

2

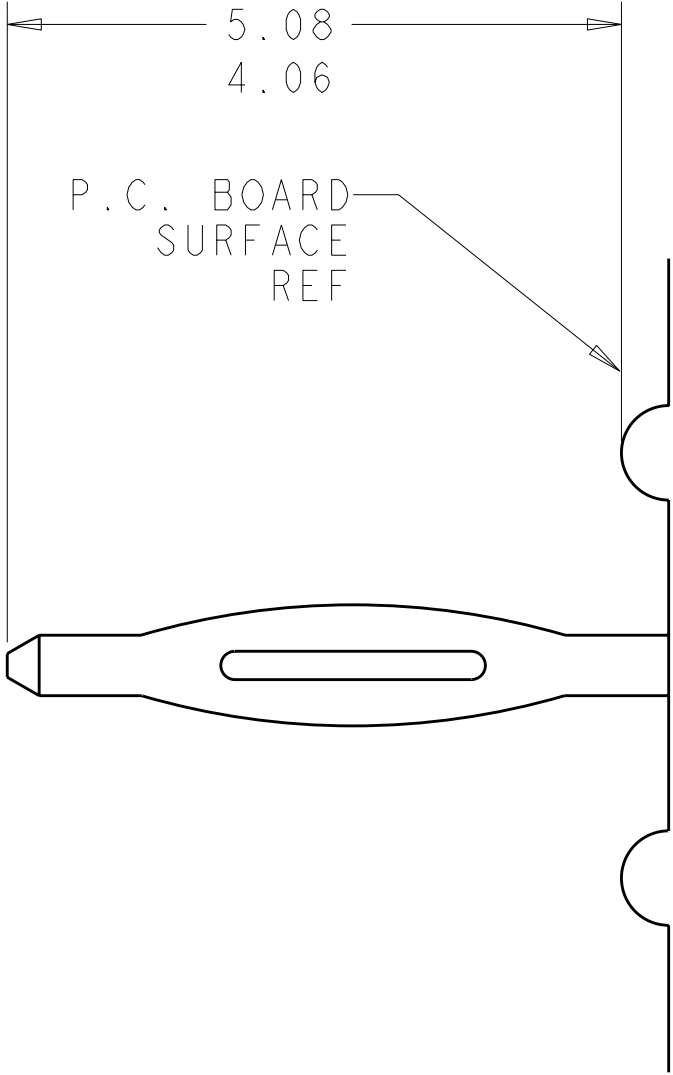
OF

3

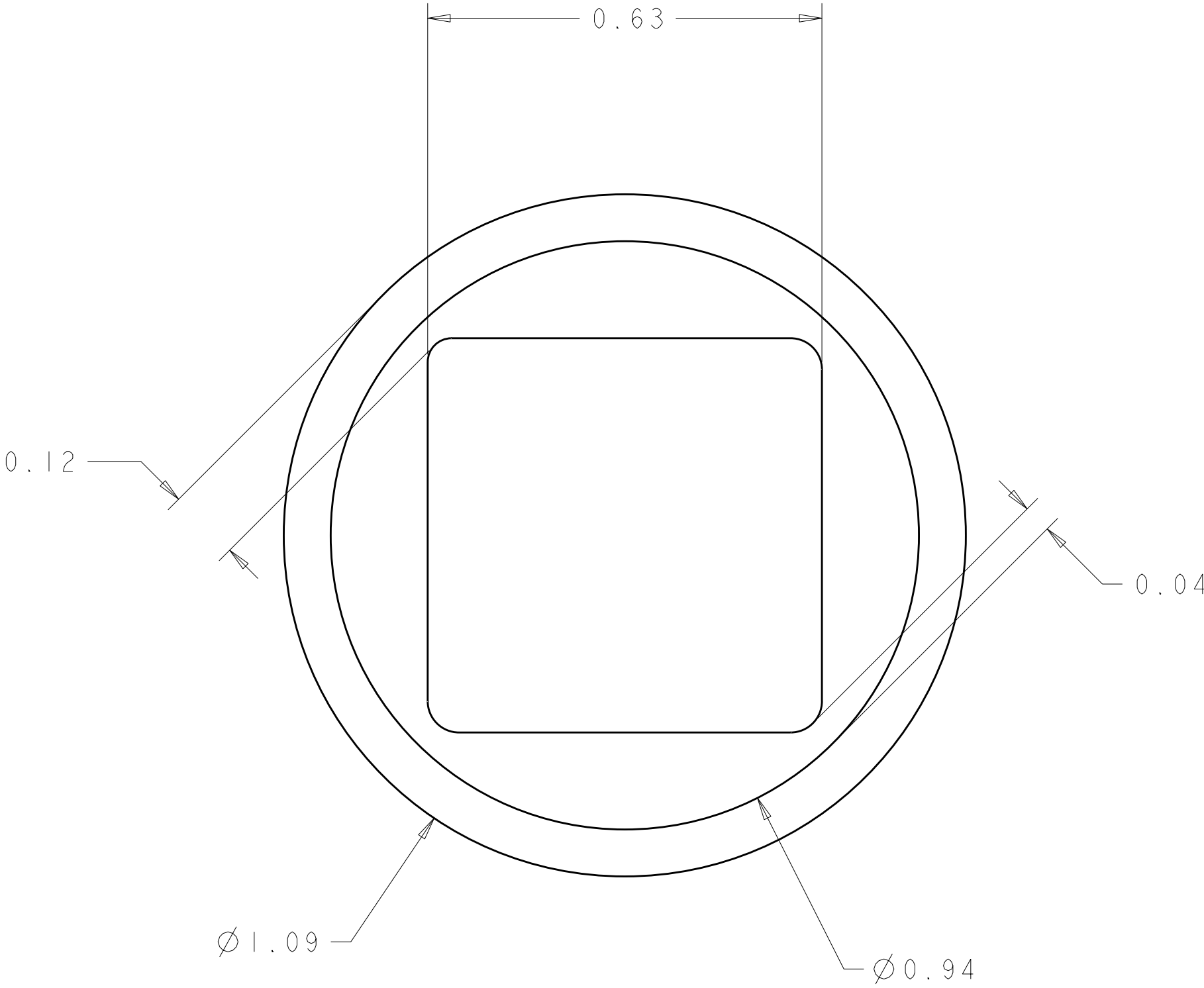
REV

A

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



6. 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 TERMINATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT HOLE
COMPLIANT PRESS FIT
DRILLED HOLE: Ø1.15 ±.013
COPPER PLATE: .025 MIN. (PER SURFACE)
TIN PLATE: .008 MIN. (PER SURFACE)

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				CHK P. DAMATO	12JAN2009				
				APVD M. PERCHERKE	12JAN2009	NAME			
				PRODUCT SPEC		SOCKET CONNECTOR ASSEMBLY STRAIGHT, COMPLIANT TAIL FLATPAQ			
				APPLICATION SPEC					
				WEIGHT		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
				CUSTOMER DRAWING		A100779	C=6646329		-
						SCALE	3:1	SHEET	3 OF 3
								REV	A

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[6646329-1](#)