

LOC		DIST		REVISIONS			
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		A		NEW RELEASE	10JUL2007	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
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.

4

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

TYCO ELECTRONICS P/N

XXXXXXXX-X

DATE CODE

XXXX

YEAR

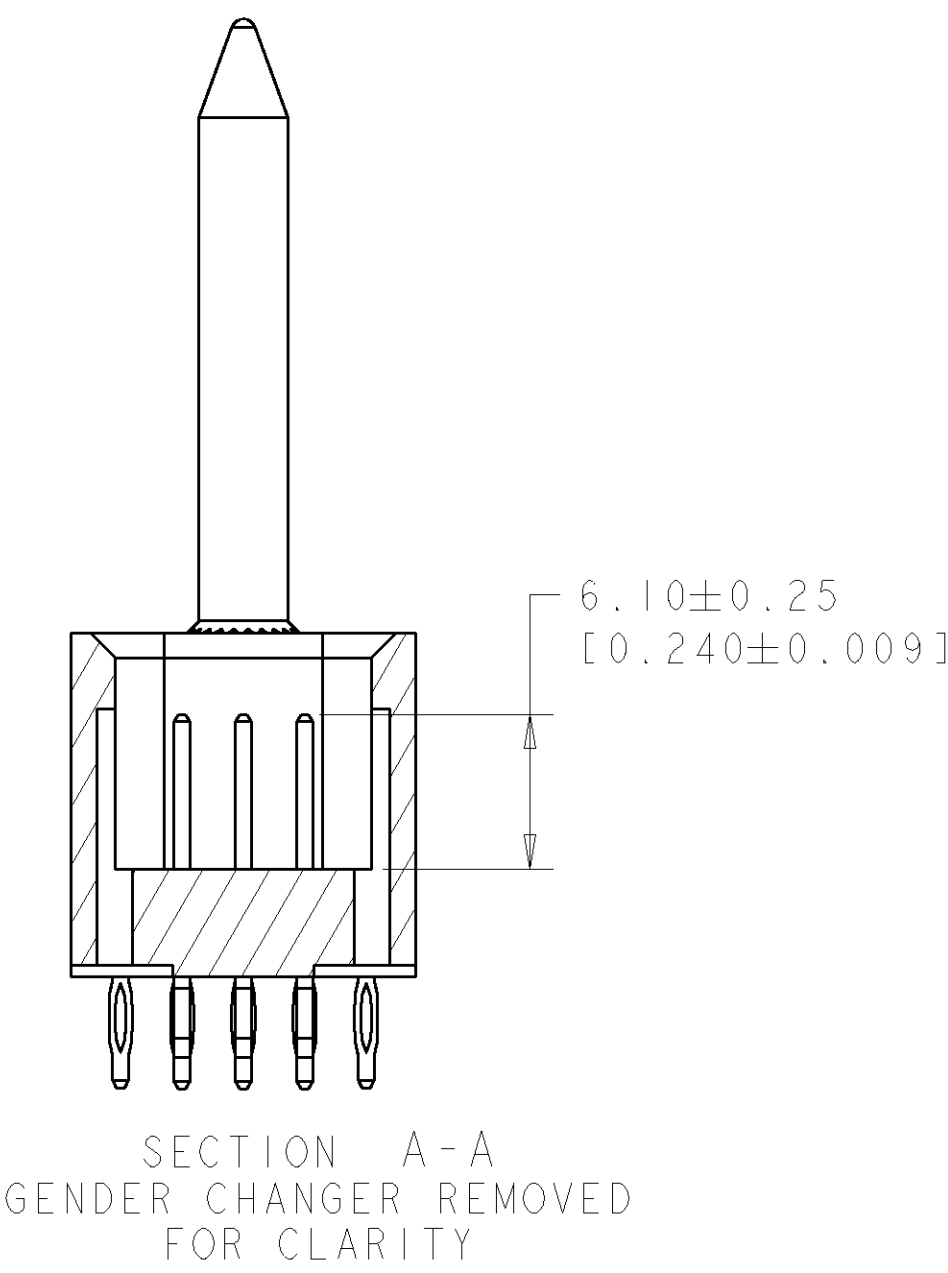
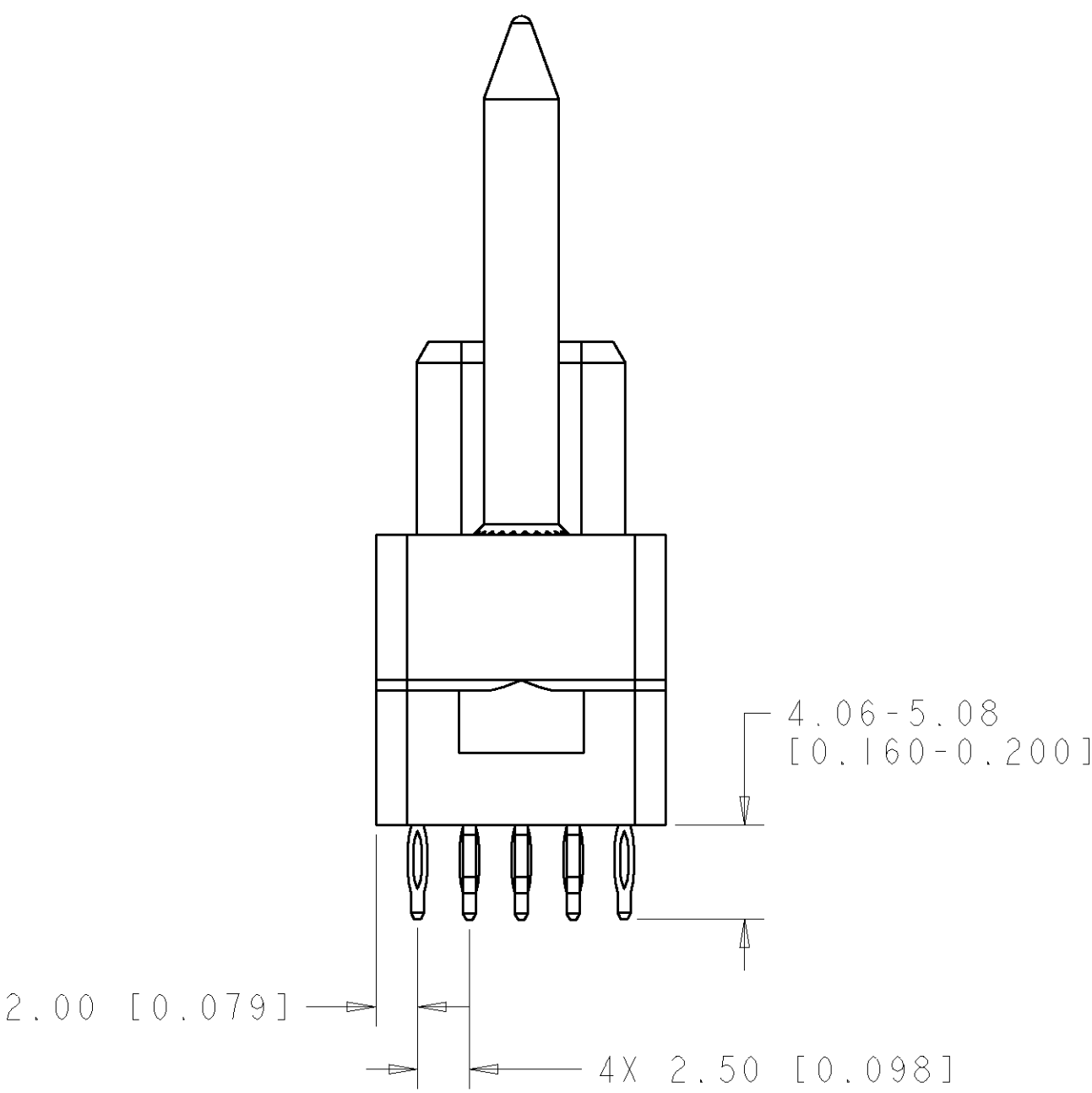
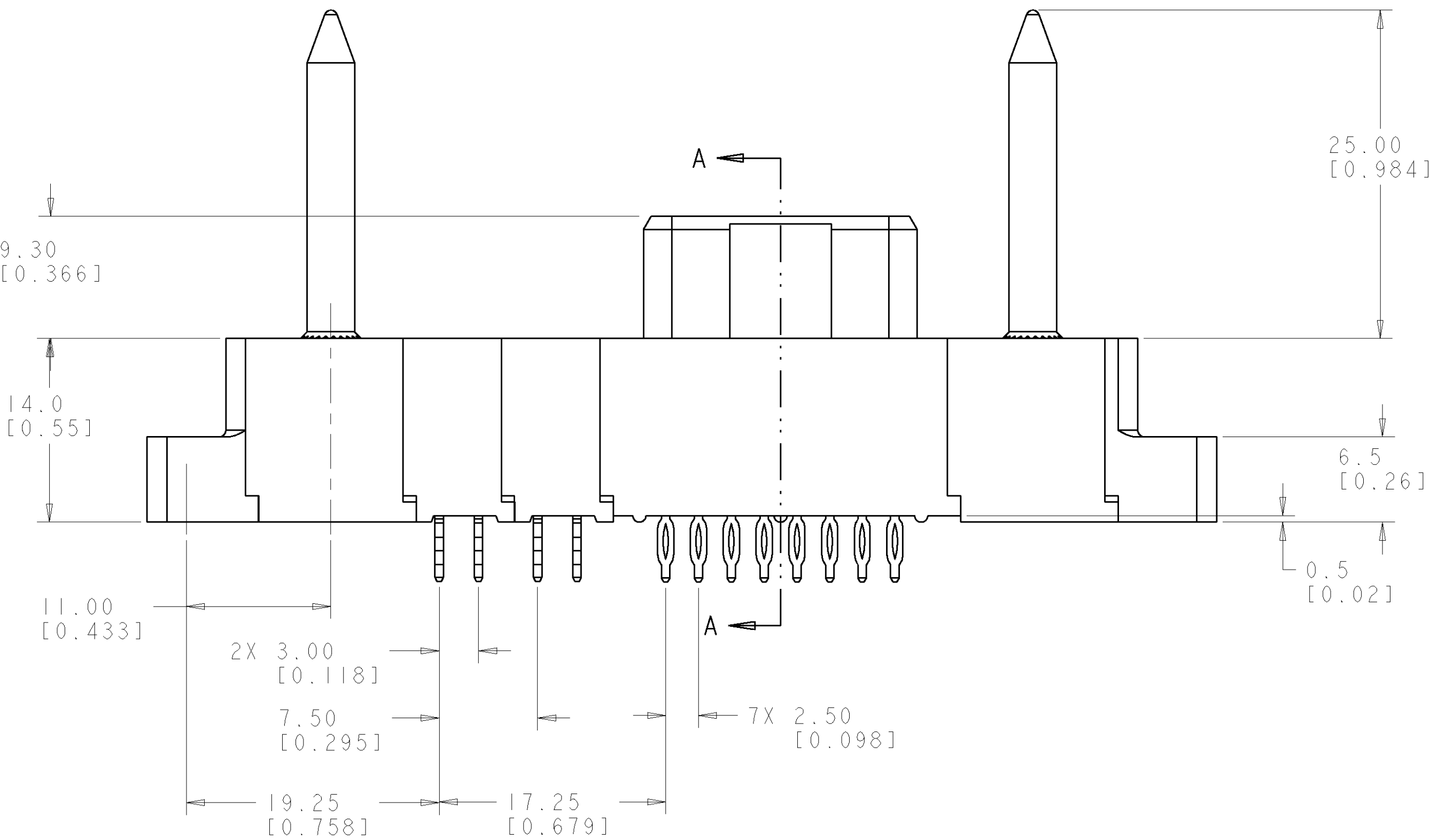
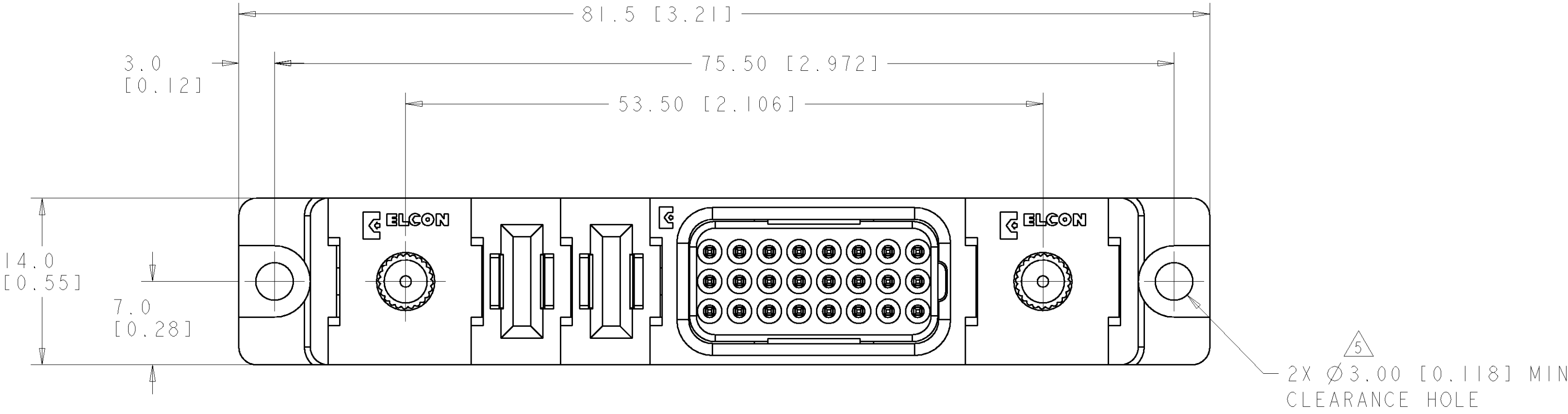
1

WEEK

06

(e.g. 0106)

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

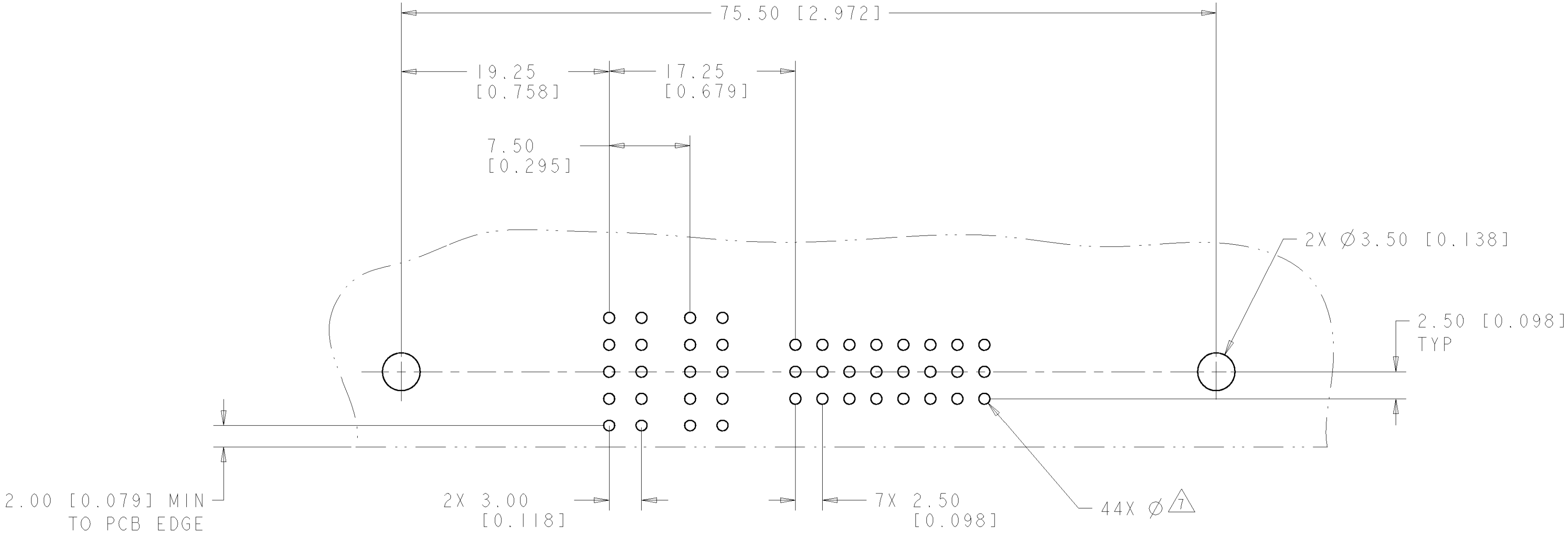


ELCON

FLATPAQ

AS SHOWN		6646545-1	
DESCRIPTION		PART NUMBER	
Tyco Electronics		Tyco Electronics Harrisburg, PA 17105-3608	
DWN R. GRZYBOWSKI CHK P. DAMATO APVD S. FLICKINGER		10JULY07 10JULY07 10JULY07	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm		0 PLC ±.3 [0.012] 1 PLC ±0.3 [0.012] 2 PLC ±0.15 [0.006] 3 PLC ±.3 [0.012] 4 PLC ±.3 [0.012] ANGLES ±.3	
MATERIAL		FINISH	
-		-	
CUSTOMER DRAWING		SCALE 3:1	
SHEET 1 OF 3		REV A	

LOC		DIST		REVISIONS				
GP	00	P.	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	FP200	2	8	2	1.25 X 7.00 [.049 X .276]	35 amps	7.50 [0.295]	250 VOLTS
	FP401	1	22	24	.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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DIMENSIONS:

mm

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

9 PLC ±.3 [.012]

1 PLC ±0.15 [.006]

3 PLC ±.1

4 PLC ±.1

ANGLES ±3

FINISH -

WEIGHT

-

CUSTOMER DRAWING

DWN R. GRZYBOWSKI 10JULY07

CHK P. DAMATO 10JULY07

APVD S. FLICKINGER 10JULY07

NAME

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

Tyco Electronics

Harrisburg, PA 17105-3608

SIZE A

CAGE CODE 100779

DRAWING NO. C=6646545

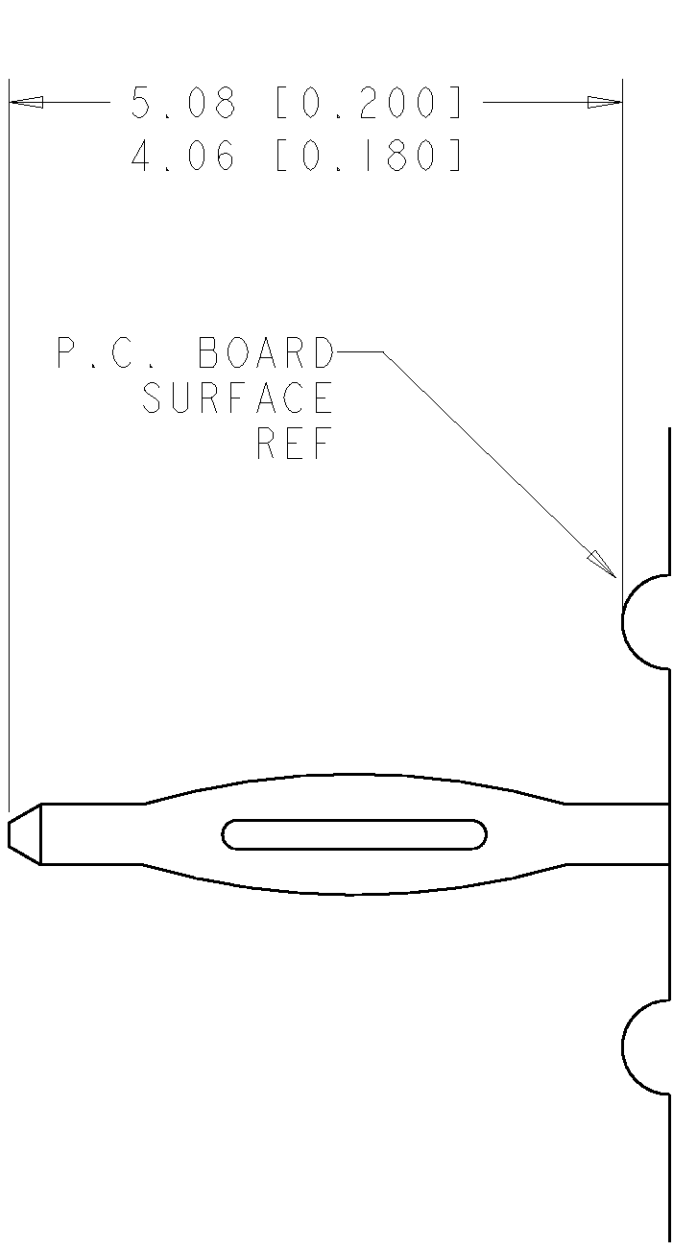
RESTRICTED TO

SCALE 3:1

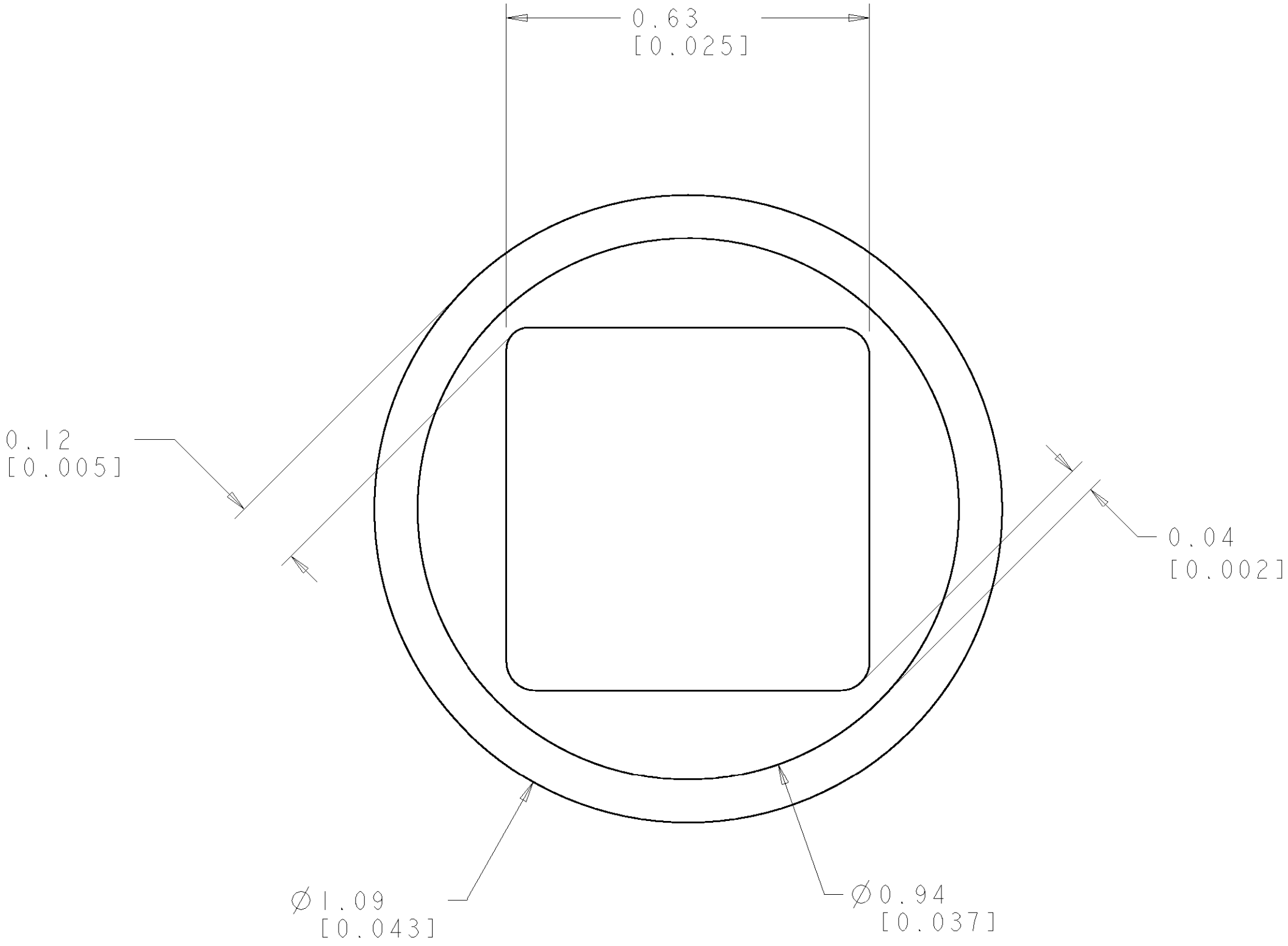
SHEET 2 OF 3

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 [30 LBS] PER PIN
MINIMUM PUSH OUT: 44.4N [10 LBS] PER PIN



SOLDER TERMNIATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT SOLDER HOLE
COMPLIANT PRESS FIT
DRILLED HOLE: Ø1.15 [.0453] ±.013 [.0005]
COPPER PLATE: .025 [.0010] MIN (PER SIDE)
TIN PLATE: .0005 [.000020] MIN. (PER SURFACE)

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN	R. GRZYBOWSKI	10JULY07	Tyco Electronics Harrisburg, PA 17105-3608									
				CHK	P. DAMATO	10JULY07										
	mm	0 PLC	±.3	[.012]	APVD	S. FLICKINGER	10JULY07	NAME	SOCKET CONNECTOR STRAIGHT, COMPLIANT TAILS FLATPAQ							
		1 PLC	±0.3	[.012]	PRODUCT SPEC											
		2 PLC	±0.15	[.006]	APPLICATION SPEC											
		3 PLC	±.15	[.006]	SIZE	CAGE CODE	DRAWING NO			RESTRICTED TO						
4 PLC		±.15	[.006]	A 00779				C=6646545	-							
MATERIAL		-	FINISH	-	WEIGHT	-	CUSTOMER DRAWING			SCALE	3:1	SHEET	3	OF	3	REV

Mouser Electronics

Authorized Distributor

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[6646545-1](#)