

LOC		DIST		REVISONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
		A	NEW RELEASE	19APR2007	RG	PD	

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TYCO 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 BANDS - BERYLLIUM COPPER ALLOY
SIGNAL CONTACTS - PHOSPHOR BRONZE ALLOY
GUIDE PIN: TELLURIUM COPPER ALLOY
3. FINISH:

CONTACTS - GOLD PLATE 0.76µM MIN. THK., OVER NICKEL
1.27µM MIN. THK.
COMPLAINT TAILS TIN/LEAD, 1.02µM MIN. THK. OVER NICKEL
1.27µM MIN THK.
GUIDE PIN - SILVER PLATE 5.08µM MIN THK. OVER NICKEL
1.02µM MIN THK.

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

YEAR

WEEK

(e.g. 0106)

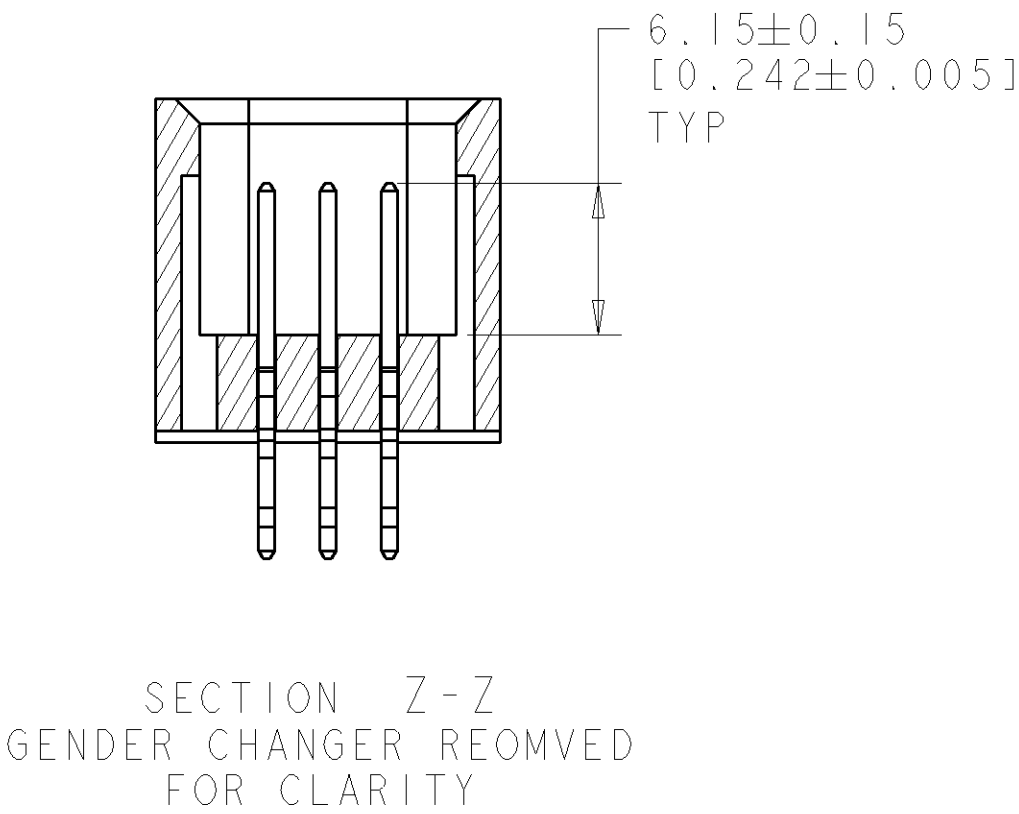
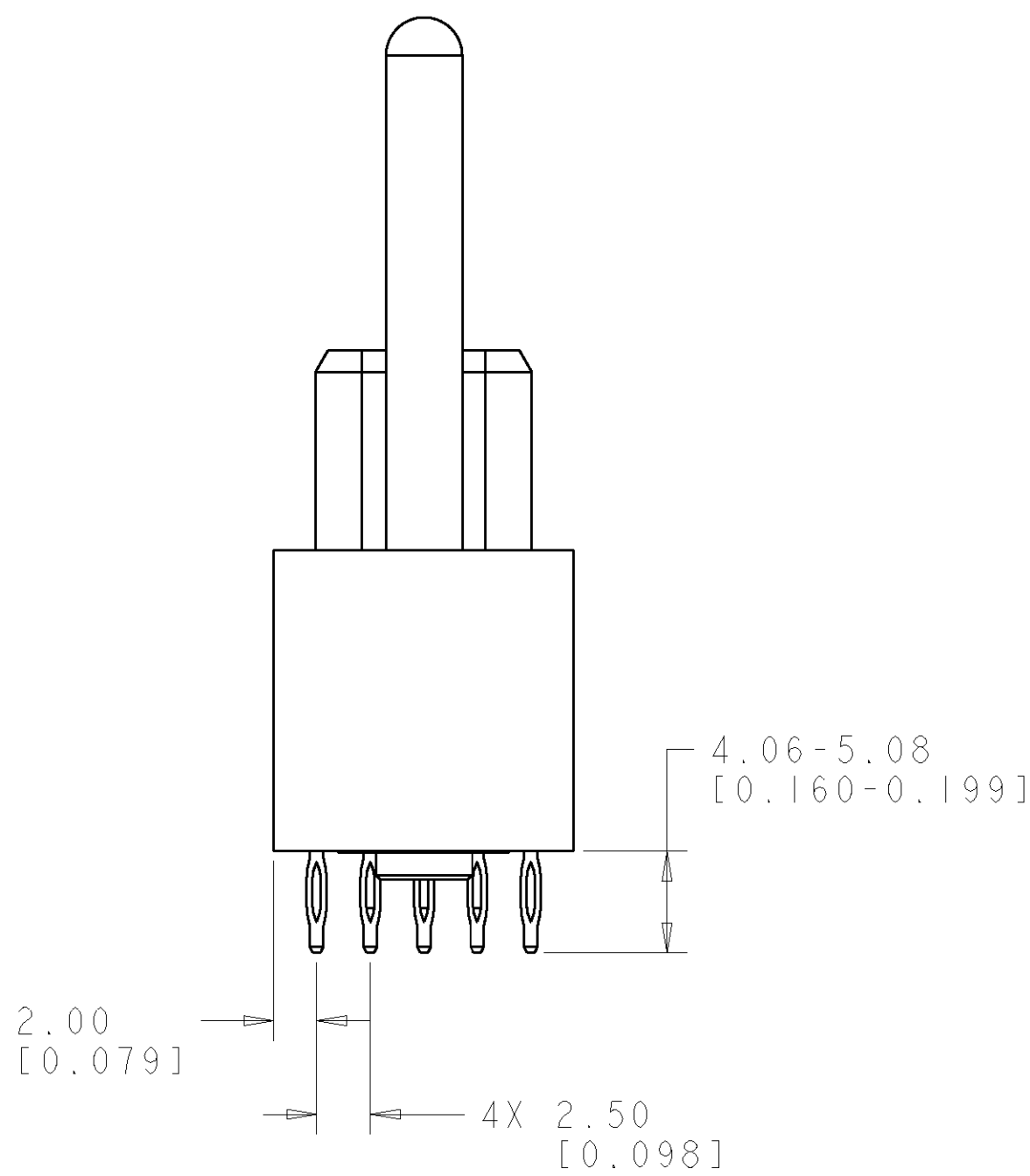
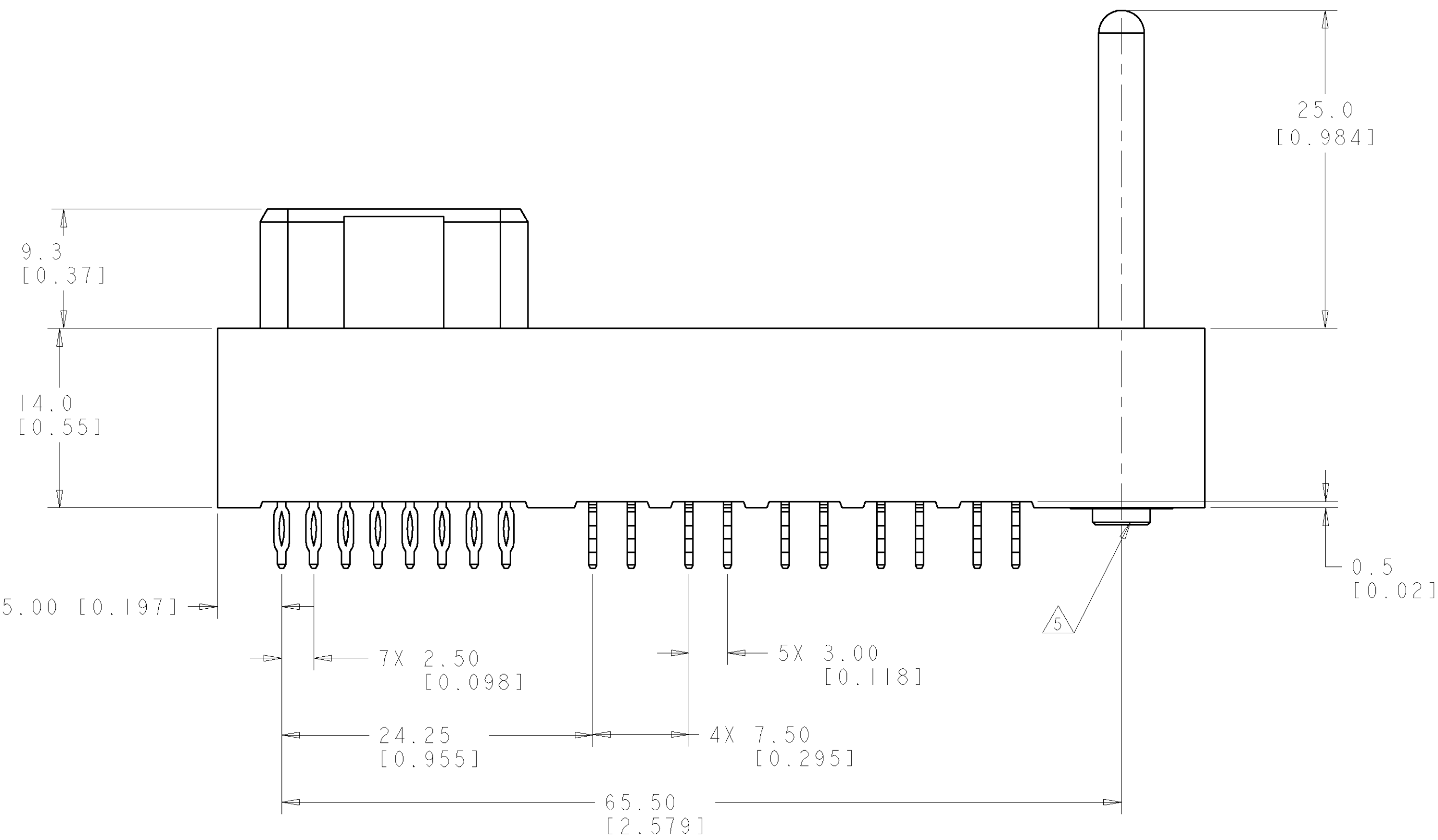
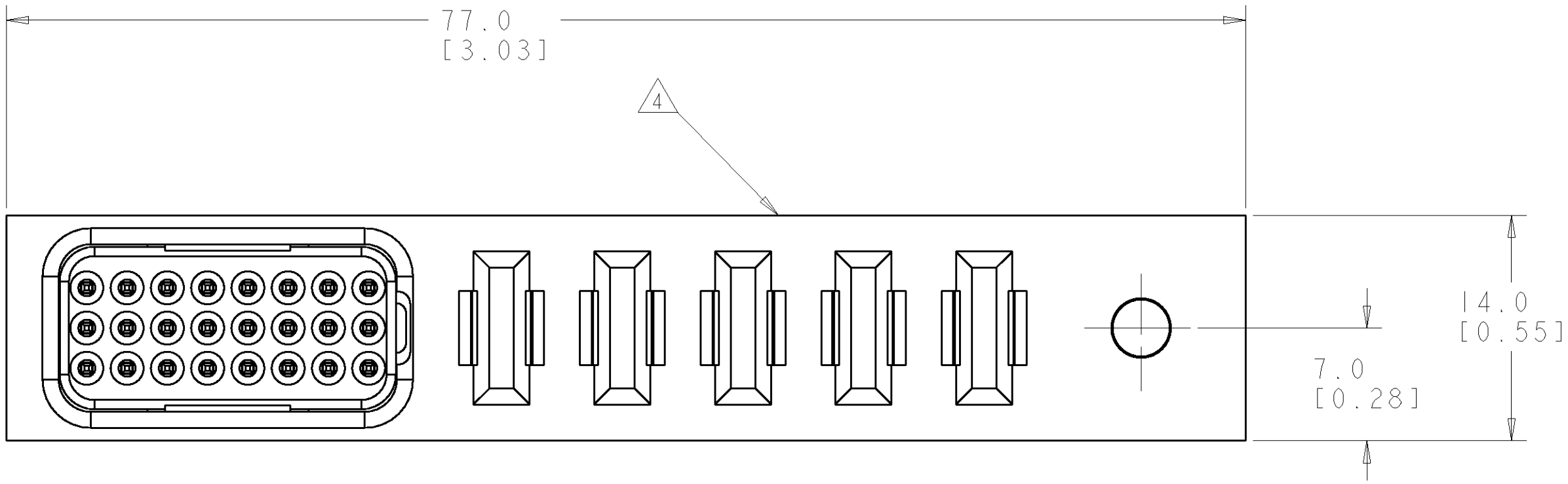
TYCO PART NO.

DATE CODE

XXXXXXXX-X

XXXX

ACTIVATED GUIDE PIN ACCEPTS #4-40 SCREWS (USER SUPPLIED).



ELCON

FLATPAQ

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN R. GRZYBOWSKI 19APR2007		CHK P. DAMATO 19APR2007		APVD S. FLICKINGER 19APR2007		NAME		Tyco Electronics Harrisburg, PA 17105-3608	
mm		0 PLC ±.3 (.012)		PRODUCT SPEC		APPLICATION SPEC		WEIGHT		SIZE		CAGE CODE	
0 PLC ±.3 (.012)		1 PLC ±.15 (.006)		CUSTOMER DRAWING		SCALE		SHEET		OF		REV	
1 PLC ±.15 (.006)		2 PLC ±.5		3:1		1		3		A			
2 PLC ±.5													
3 PLC ±.5													
4 PLC ±.5													
ANGLES													
FINISH													
MATERIAL													
-													
-													

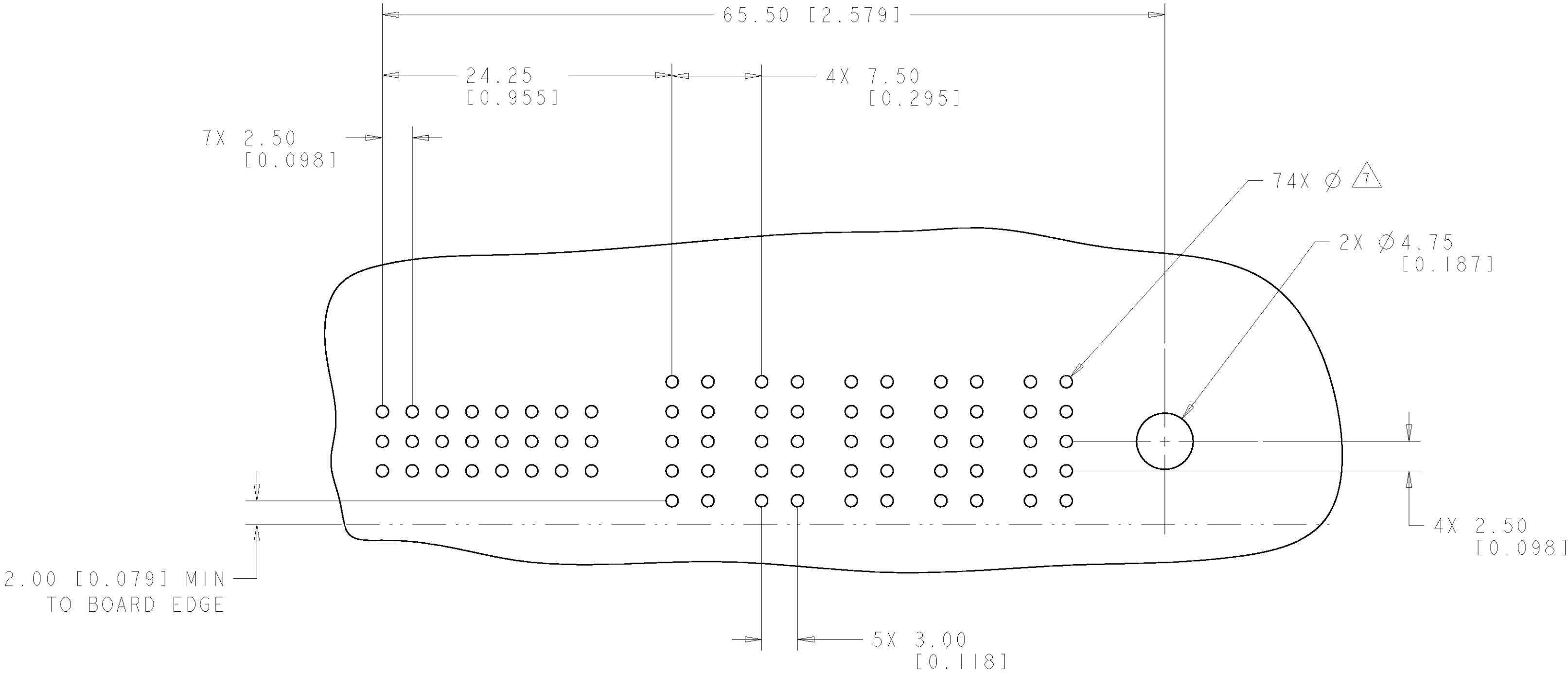
AS SHOWN	1646571-1
DESCRIPTION	PART NUMBER

Tyco Electronics Tyco Electronics Harrisburg, PA 17105-3608

NAME
SOCKET CONNECTOR
STRAIGHT, COMPLIANT TAIL
FLATPAQ

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A	100779	1646571	-

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



PRINTED CIRCUIT LAYOUT

CONNECTOR	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING
SOCKET	DEDICATED HOUSING	1	8	5	1.25 X 7.00 [0.049 X .276]	35 amps	7.50 [0.2953]	250
			22	24	.64 [0.025] SQ.	3 amps	2.50 [0.0984]	125 VOLTS

THE DIMENSIONS AND TOLERANCES SHOWN ARE THE MANUFACTURER'S RESPONSIBILITY. IT IS THE BUYER'S RESPONSIBILITY TO CONTACT THE MANUFACTURING ORGANIZATION FOR THE LATEST EDITION.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

9 PLC ±.3 [0.012]

2 PLC ±.15 [0.006]

3 PLC ±.15 [0.006]

4 PLC ±.15 [0.006]

ANGLES ±.5

FINISH -

MATERIAL -

FINISH -

DWN R. GRZYBOWSKI 19APR2007

CHK P. DAMATO 19APR2007

APVD S. FLICKINGER 19APR2007

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

Tyco Electronics
Harrisburg, PA 17105-3608

NAME SOCKET CONNECTOR
STRAIGHT, COMPLIANT TAIL
FLATPAQ

SIZE A100779C=1646571

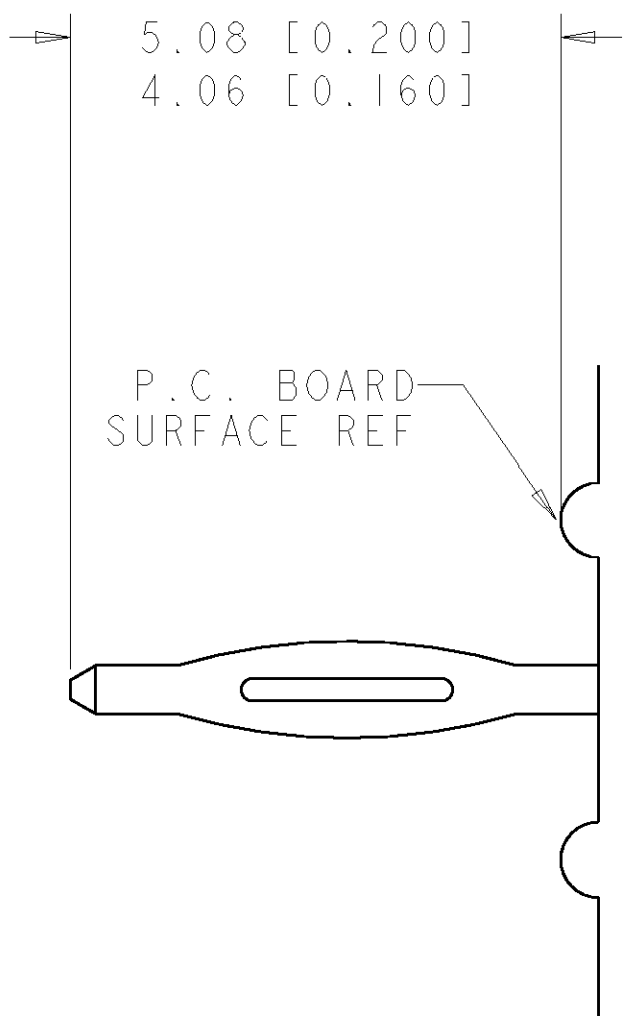
RESTRICTED TO -

SCALE 3:1

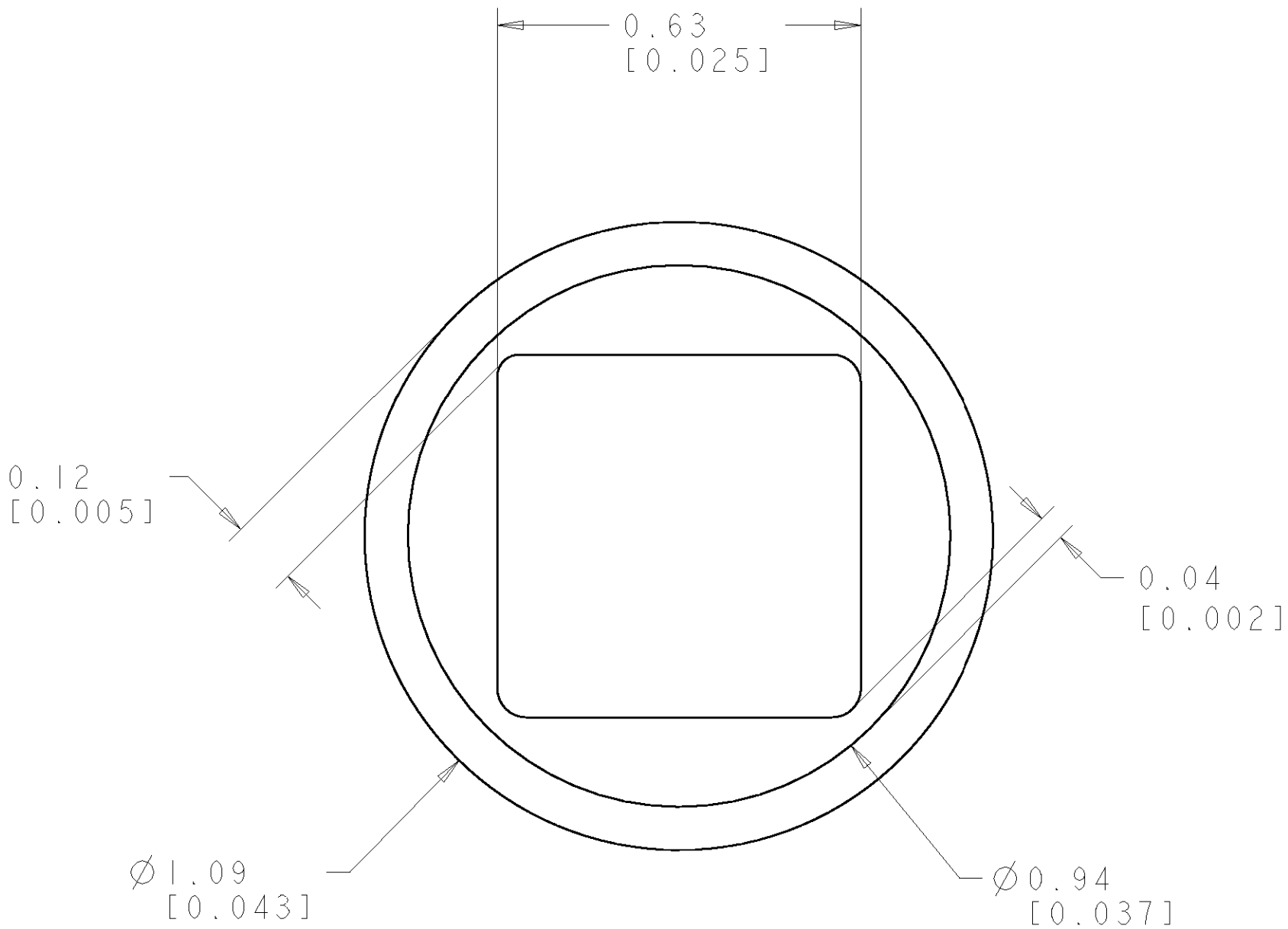
SHEET 2 OF 3

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 TERMINATION AREA
SCALE 40:1
RECOMMENDED PRINTED CIRCUIT SOLDER HOLE
COMPLIANT PRESS FIT
DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]
COPPER PLATE: .025 [0.0010] MIN (PER SIDE)
TIN PLATE: .0005 [0.000020] MIN. (PER SURFACE)

THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT FOR THAT RELATION TO COMMERCE IT IS UNCLASSIFIED TO EXTEND THE ECONOMIC AND CONSTRUCTION ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST EDITION.		DWN R.GRZYBOWSKI	9APH2007	Tyco Electronics Harrisburg, PA 17105-3608	
		CHK P.DAMATO	19APH2007		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ±.3 [0.02] 1 PLC ±.3 [0.02] 2 PLC ±.15 [0.006] 3 PLC ±.15 [0.006] 4 PLC ±.15 [0.006] ANGLES ± 5° FINISH -		NAME SOCKET CONNECTOR STRAIGHT, COMPLIANT TAIL FLATPAQ	
MATERIAL -	-	WEIGHT -		SIZE A	CAGE CODE 100779
CUSTOMER DRAWING		DRAWING NO C=1646571		RESTRICTED TO -	
		SCALE 3:1		SHEET 3	OF 3
				REV A	