

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, 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

TYCO PART NO.

DATE CODE

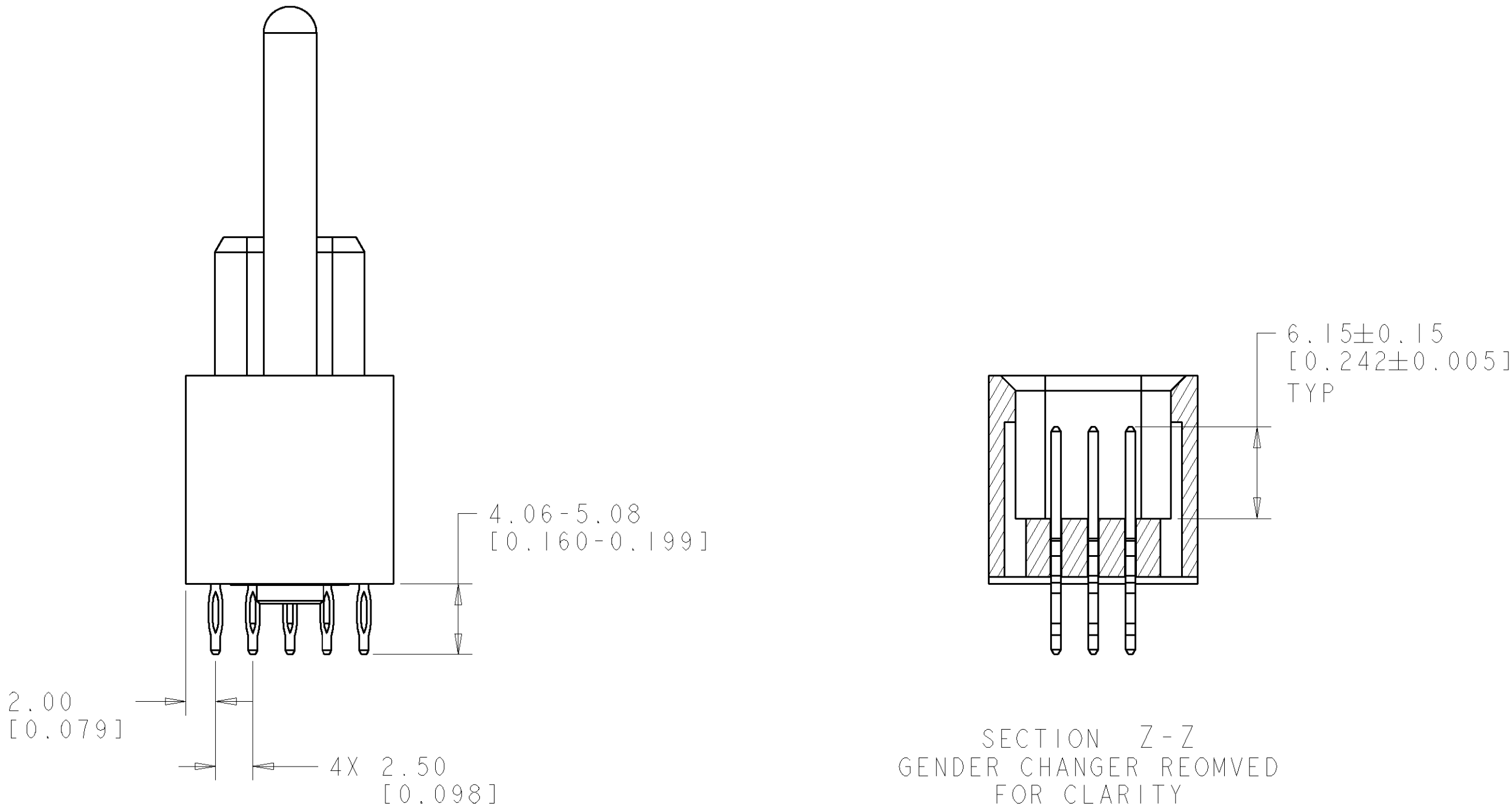
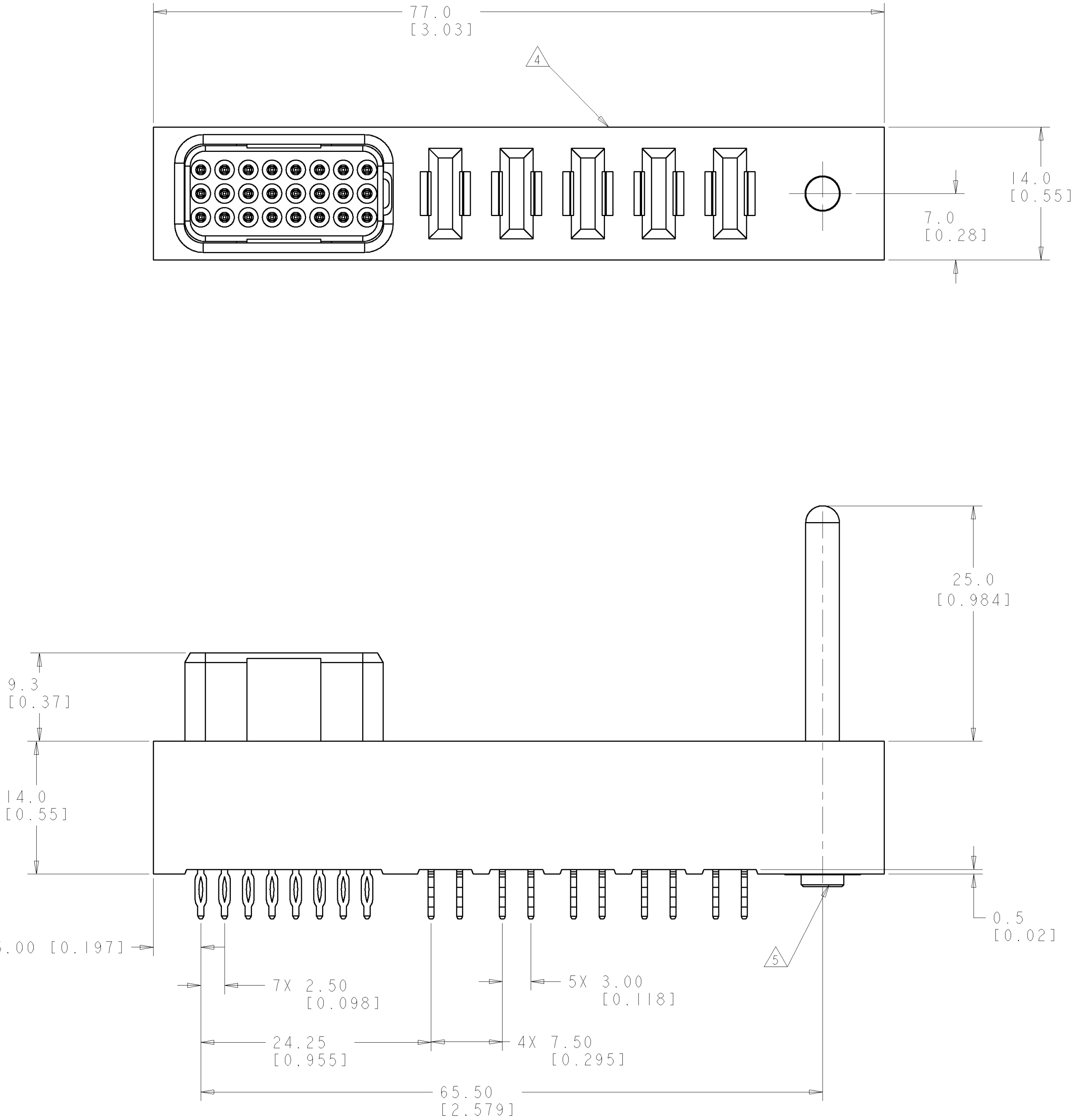
(e.g. 0106)

XXXXXXXX-X

XXXX

△

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



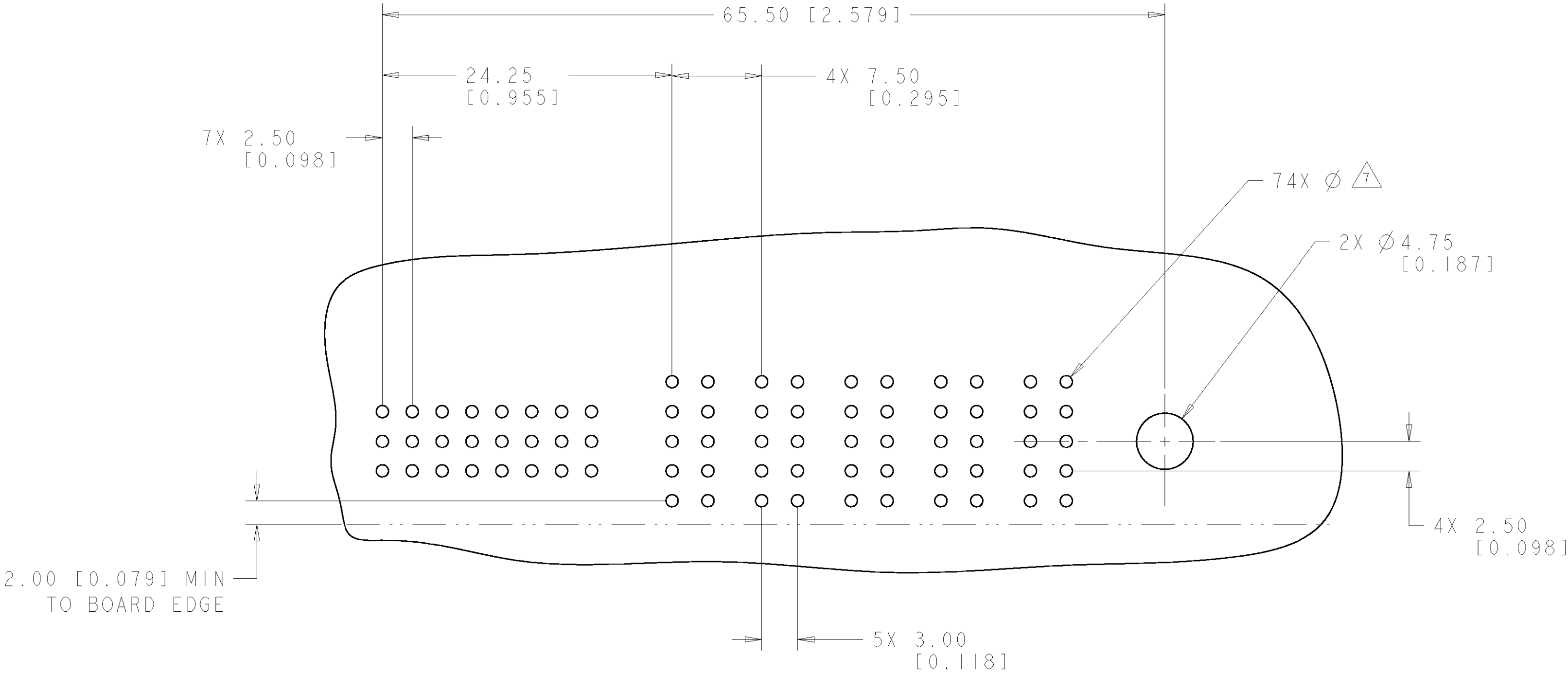
SECTION Z-Z
GENDER CHANGER REMOVED
FOR CLARITY

ELCON FLATPAQ

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN		19APR2007	
mm		0 PLC ±.3 (.012)		CHK		19APR2007	
		3 PLC ±.15 (.006)		P.DAMATO		19APR2007	
		4 PLC ±.15 (.006)		APVD		19APR2007	
		ANGLES ±.5		S.FLICKINGER		19APR2007	
FINISH		-		PRODUCT SPEC		-	
MATERIAL		-		APPLICATION SPEC		-	
-		-		WEIGHT		-	
-		-		CUSTOMER DRAWING		-	

AS SHOWN		6646571-1	
DESCRIPTION		PART NUMBER	
Tyco Electronics		Tyco Electronics	
Harrisburg, PA 17105-3608		Harrisburg, PA 17105-3608	
NAME		SOCKET CONNECTOR	
SIZE		STRAIGHT, COMPLIANT TAIL	
CAGE CODE		FLATPAQ	
DRAWING NO		RESTRICTED TO	
A100779		-	
C=6646571		SCALE	
3:1		SHEET	
1		OF	
3		REV	
A		A	

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 [.049 X .276]	35 amps	7.50 [.2953]	250
			22	24	.64 [.025] SQ.	3 amps	2.50 [.0984]	125 VOLTS

THE DIMENSIONS IN CONDUCTOR SCHEDULE FOR THIS REVISION ARE GOVERNED BY THE DIMENSIONS IN THE CONDUCTOR SCHEDULE FOR THE LATEST REVISION.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

9 PLC ±.3 [.012]

2 PLC ±.15 [.006]

3 PLC ±.15 [.006]

4 PLC ±.15 [.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=6646571

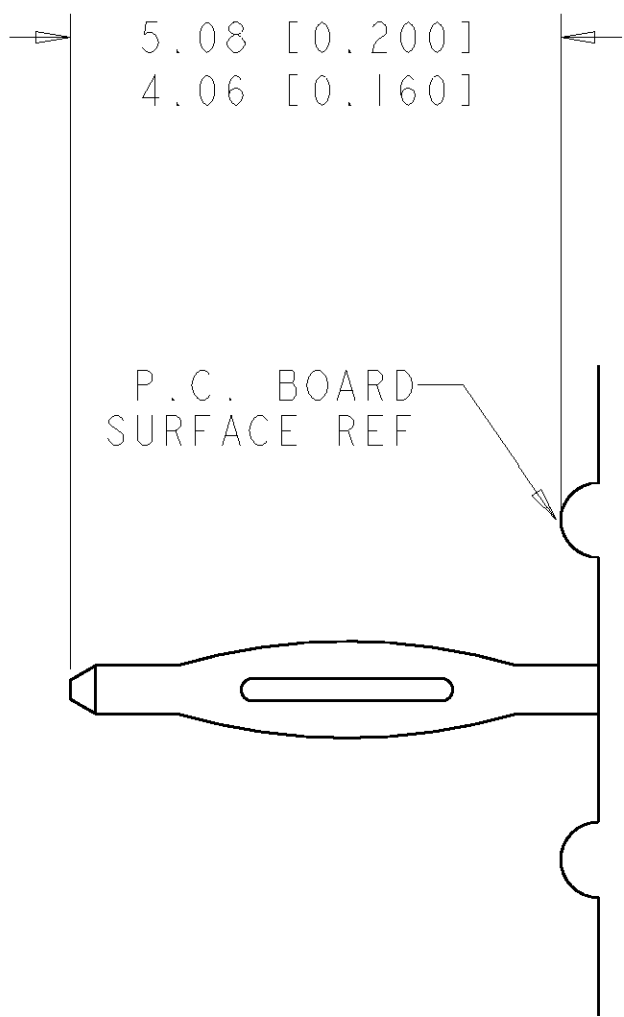
RESTRICTED TO -

SCALE 3:1

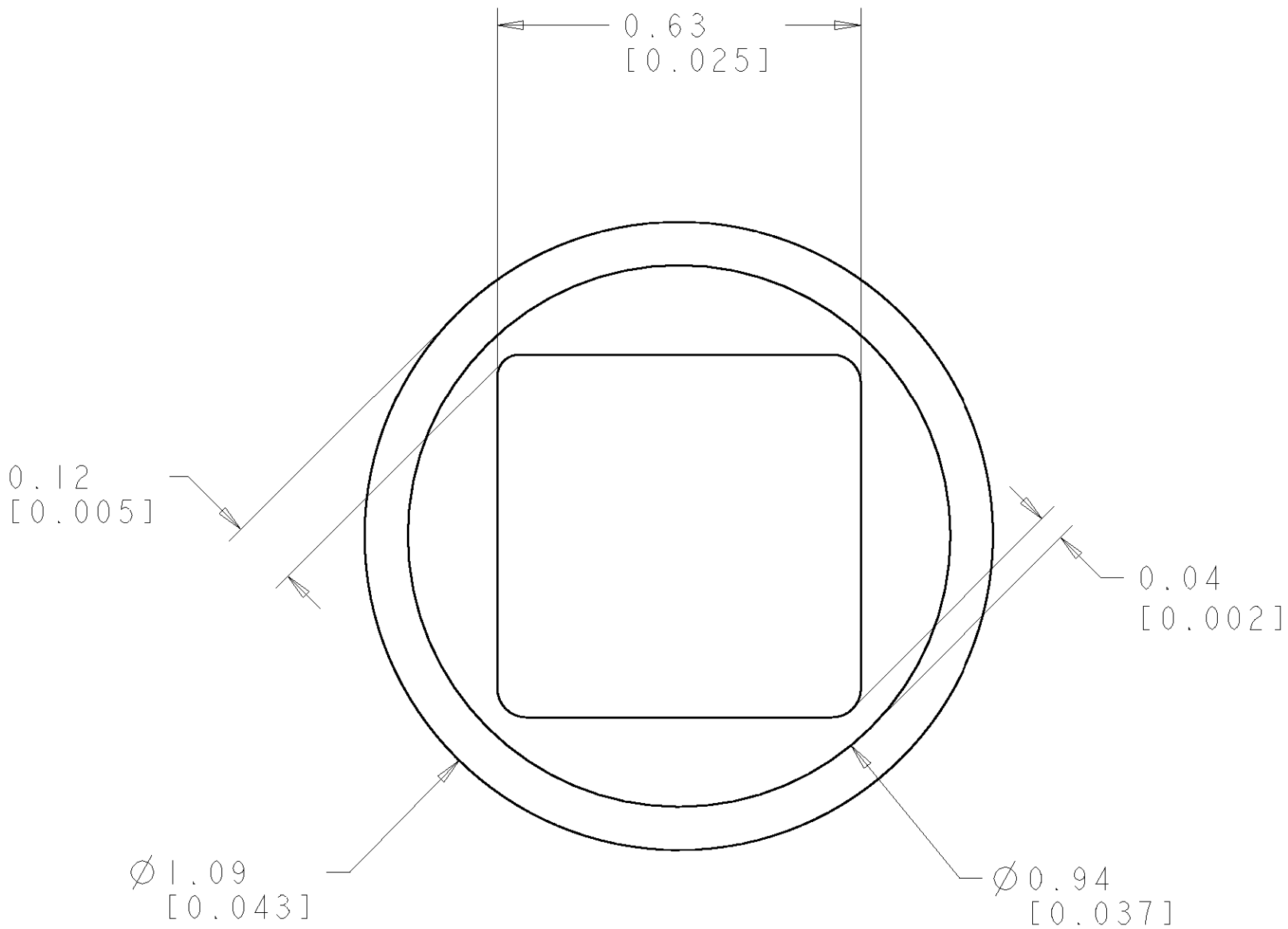
SHEET 2 OF 3

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 EXEMPT THE CONTROLLING AND CONTINUING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST EDITION.		DWN R.GRZYBOWSKI	19APH2007	 Tyco Electronics Harrisburg, PA 17105-3608	
		CHK P.DAMATO	19APH2007		
		APVD S.FLICKINGER	19APH2007	NAME SOCKET CONNECTOR STRAIGHT, COMPLIANT TAIL FLATPAQ	
		PRODUCT SPEC			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	
mm		0 PLC ±.3 [0.012] 1 PLC ±.3 [0.012] 2 PLC ±.15 [0.006] 3 PLC ±. 4 PLC ±. ANGLES ± 5		SIZE CAGE CODE DRAWING NO	
		FINISH		RESTRICTED TO	
MATERIAL		WEIGHT		A100779C=6646571	
-		-		-	
CUSTOMER DRAWING				SCALE 3:1	SHEET 3 OF 3 REV A

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[6646571-1](#)