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REVISIONS			
EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	07/21/05

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NOTES: UNLESS OTHERWISE SPECIFIED

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELC&ON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
2. MATERIALS:
 - INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR-BLACK UL94V-0 FLAMMABILITY RATED.
 - COMPLIANT SIGNAL PIN: PHOSPHOR BRONZE ALLOY.
 - POWER CONTACTS: PHOSPHOR BRONZE ALLOY, COPPER ALLOY.
 - CROWN BANDS: BERYLLIUM COPPER ALLOY.
 - GUIDE PIN: BRASS COPPER ALLOY.

6. MODULE INFORMATION

CONNECTOR	TYCO PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	6651718-1	FP0201	3	8	3	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 VOLTS
		FP0202	2		2				
		FP0413	1	22	6	.64 [.025] SQ.	3 AMPERES	2.50 [.0984]	125 VOLTS
		FP0503	1	STRAIGHT GUIDE PIN					
		FP0500	1	LEFT MOUNTING FLANGE					

*TAW TEC-950

3. FINISHES:

CONTACTS: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0
.000030" MIN. THK, OVER NICKEL PER QQ-N-290,
CLASS 2, .000040" MIN. THICKNESS.

TERMINALS: TIN PLATED, MATTE FINISH
.000040" MIN. THICKNESS.

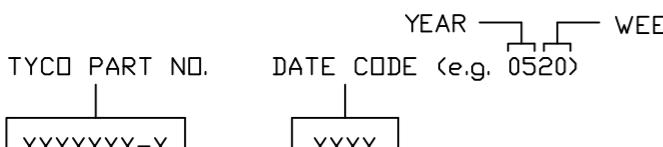
GUIDE PIN: NICKEL PLATE PER AMS 2404.

4 MOUNTING FLANGES ACCEPT M3 OR NO. 4 SCREWS, (USER SUPPLIED)

5. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:

YEAR

A



 THIRD ANGLE PROJECTION	DRAWN R. F. A.	DATE 07/20/05	 Tyco Electronics Tyco Electronics Corporation Menlo Park, Ca 94025		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	CHECKED		TITLE CONNECTOR, SOCKET, STRAIGHT COMPLIANT TAILS, FLATPAQ PN 6651718-1		
	APPROVED				
TOLERANCES ANGLES $\pm .5^\circ$	APPROVED		SIZE B	DWG NUMBER C - 6651718	REV. A
	D. CHAU	08/01/05			
DECIMALS .XX $\pm .25$ [.010]	DCA APPROVED		DWG SCALE 1=1	SH 1 OF 3	
	M. ALIM	08/02/05			
ACAD FILE NUMBER C6651718A.DWG					

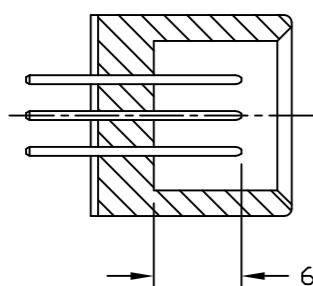
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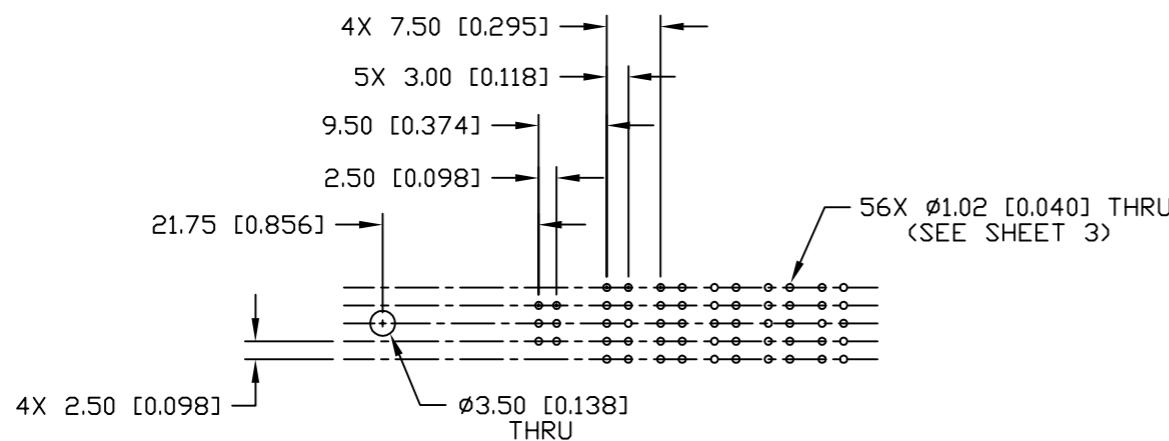
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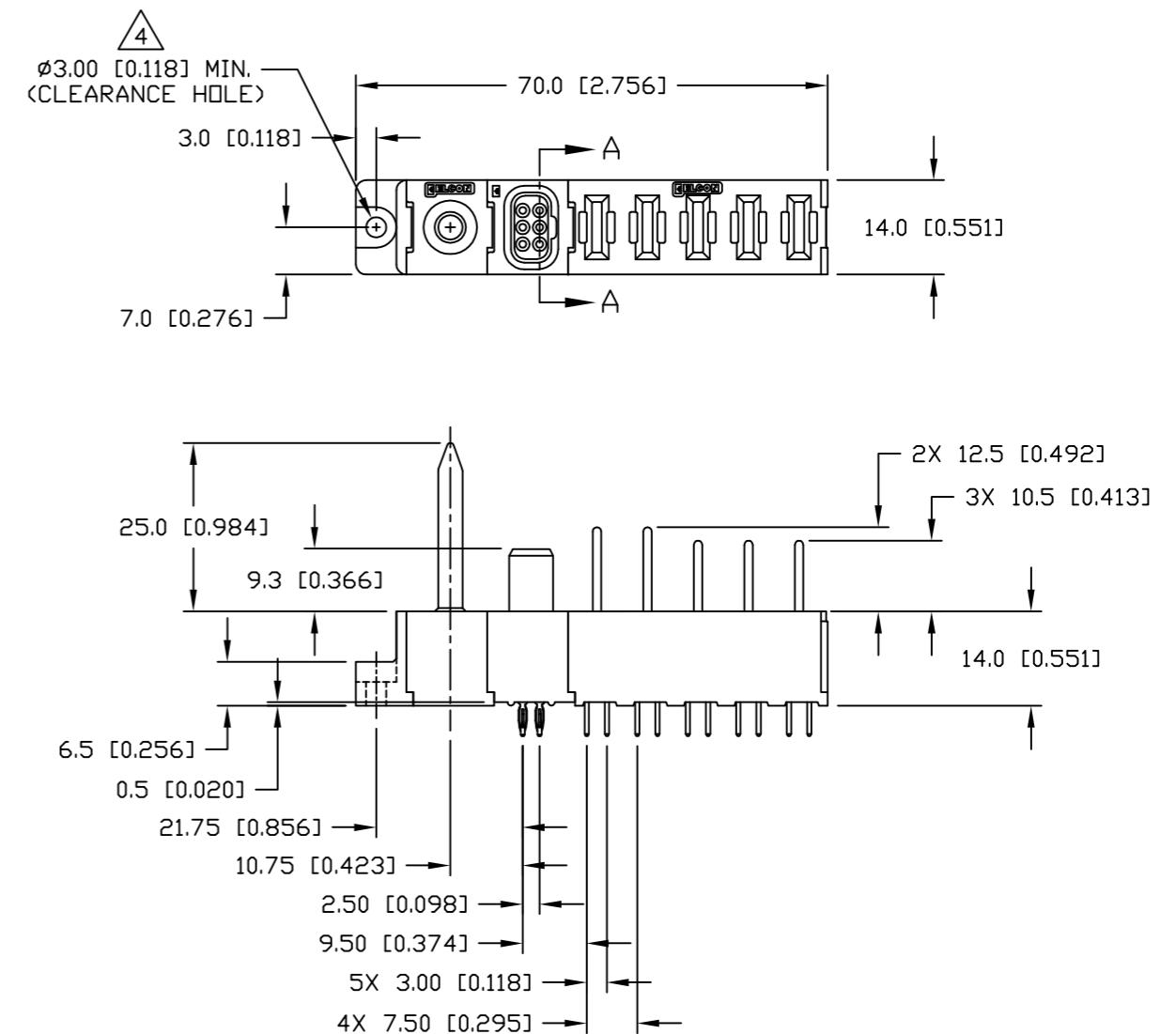
SECTION A-A

GENDER CHANGER NOT SHOWN FOR CLARITY



PRINTED CIRCUIT LAYOUT

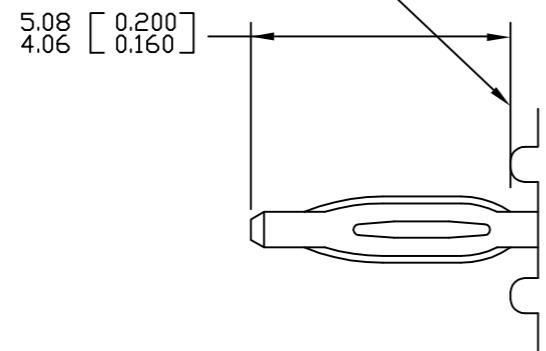
		REVISIONS	
EC	REV	DESCRIPTION	DATE
SEE SHEET 1			



	DRAWN	DATE	
	R. F. A.	07/20/05	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	CHECKED		TITLE
TOLERANCES	APPROVED		CONNECTOR, SOCKET, STRAIGHT COMPLIANT TAILS, FLATPAQ PN 6651718-1
ANGLES $\pm .5^\circ$	APPROVED		
DECIMALS	D. CHAU	08/01/05	
.XX $\pm .25$ [.010]	DCA APPROVED		
.X $\pm .5$ [.020]	M. ALIM	08/02/05	
	ACAD FILE NUMBER	C6651718A.DWG	DWG SCALE 1=1 SH 2 OF 3

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P.C. BOARD
SURFACE REF

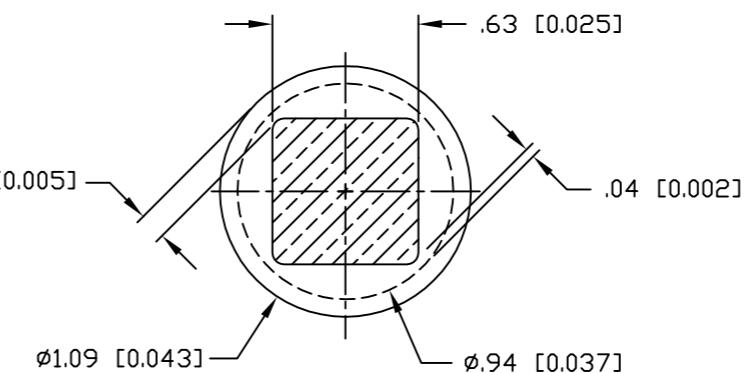


COMPLIANT PIN DETAIL

INSERTION/EXTRACTION FORCES

MAXIMUM PUSH-IN: 133.3N PER PIN
[30 LBS]

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



SOLDER TERMINATION AREA

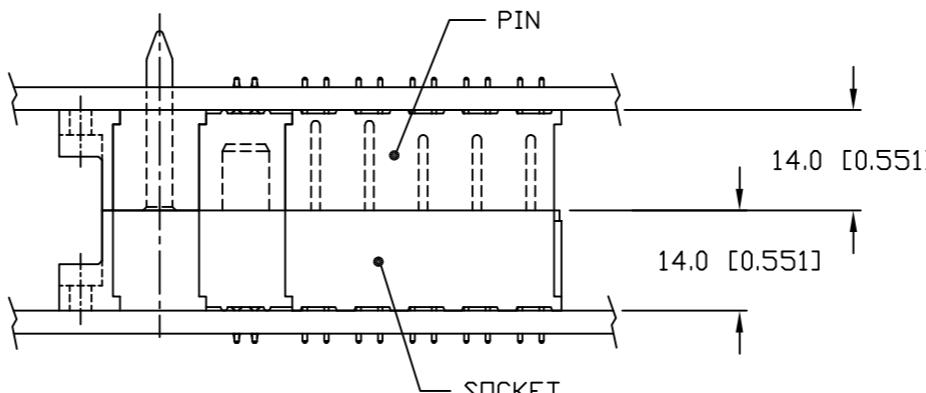
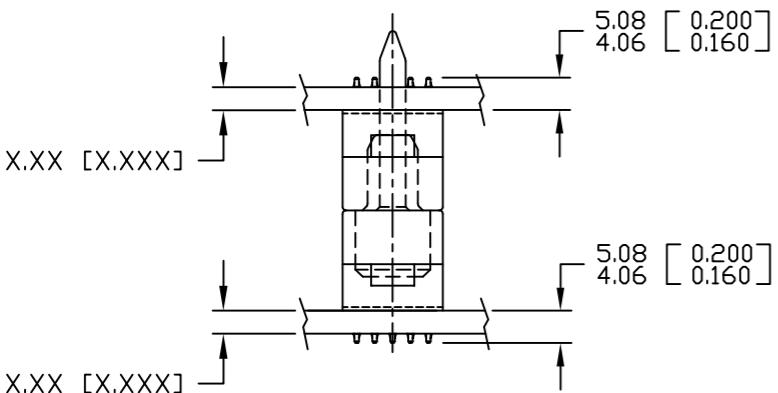
RECOMMENDED PRINTED CIRCUIT HOLE

FINISHED HOLE: Ø1.02 [0.040] ±.08 [0.003]

DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]

COPPER PLATE: .025 [0.0010] MINIMUM (PER SURFACE)

TIN PLATE: .008 [0.0003] MINIMUM (PER SURFACE)



MATED CONDITION

MM INCH		DRAWN R. F. A.	DATE 07/20/05	tyco Electronics		TITLE
THIRD ANGLE PROJECTION		CHECKED				USER INFORMATION COMPLIANT TAIL TERMINATION AND MATED CONDITION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]		APPROVED				
TOLERANCES		APPROVED				
ANGLES $\pm .5^\circ$		D. CHAU	08/01/05			
DECIMALS		DCA APPROVED				
.XX $\pm .25$ [.010]		M. ALIM	08/02/05			
.X $\pm .5$ [.020]		ACAD FILE NUMBER	C6651718A.DWG			DWG SCALE 1=1 SH 3 OF 3

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[6651718-1](#)