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REVISIONS			
EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	10/20/05

NOTES: UNLESS OTHERWISE SPECIFIED;

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

2. MATERIALS:

INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR-BLACK, UL94V-0 FLAMMABILITY RATED.

POWER CONTACTS: PHOSPHOR BRONZE ALLOY
COPPER ALLOY

SIGNAL CONTACT: BRASS ALLOY

CROWN BANDS: BERYLLIUM COPPER ALLOY

3. FINISHES:

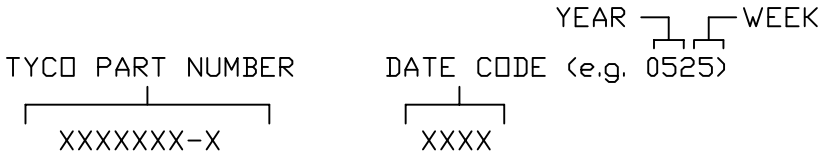
CONTACTS: SELECTIVE GOLD PER MIL-G-45204, TYPE II, CLASS 0, .000030" MIN. THK, OVER NICKEL PER QQ-N-290, CLASS 2, .000050" MIN. THICK.

PCB TERMINATION: TIN PLATE PER ASTM B-545, OVER NICKEL PER QQ-N-290

4 MOUNTING FLANGES ACCEPT M3 OR #4-40 SCREWS (USER SUPPLIED).

5 BLANK CAVITIES, NO ELECTRICAL CONNECTION.

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



7. SEE DRAWING C-6646410 FOR MATING SOCKET CONNECTOR.

7. CONNECTOR INFORMATION

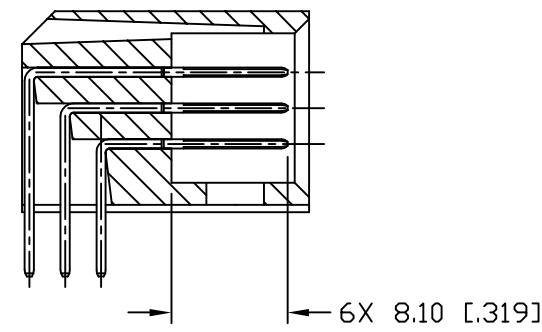
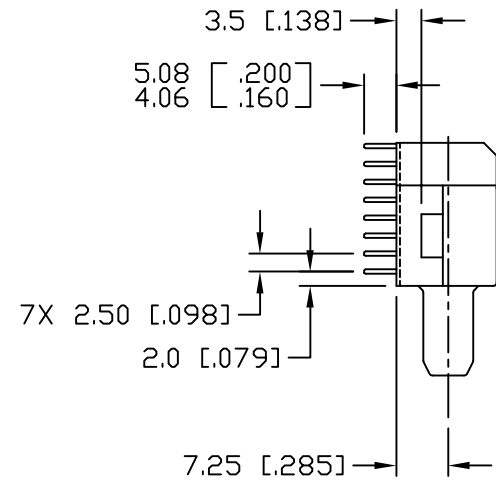
CONNECTOR	TYCO PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
PIN	6646816-1	FP0151	4	8	4	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 VOLTS
		FP0512	SPACER						
		FP0314	1	22	6	.64 [.025] SQ	3 AMPERES	2.50 [.0984]	125 VOLTS
		FP0506	2	RIGHT ANGLE GUIDE SOCKET					
		FP0500	1	LEFT MOUNTING FLANGE					
		FP0501	1	RIGHT MOUNTING FLANGE					

*IAW IEC-950

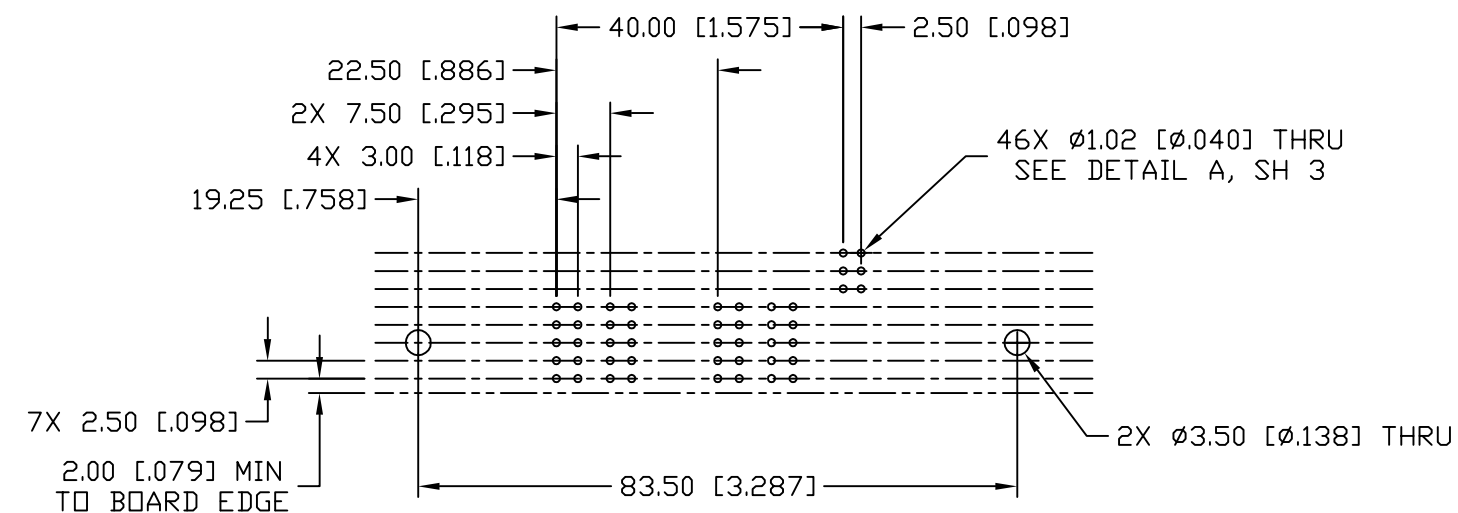
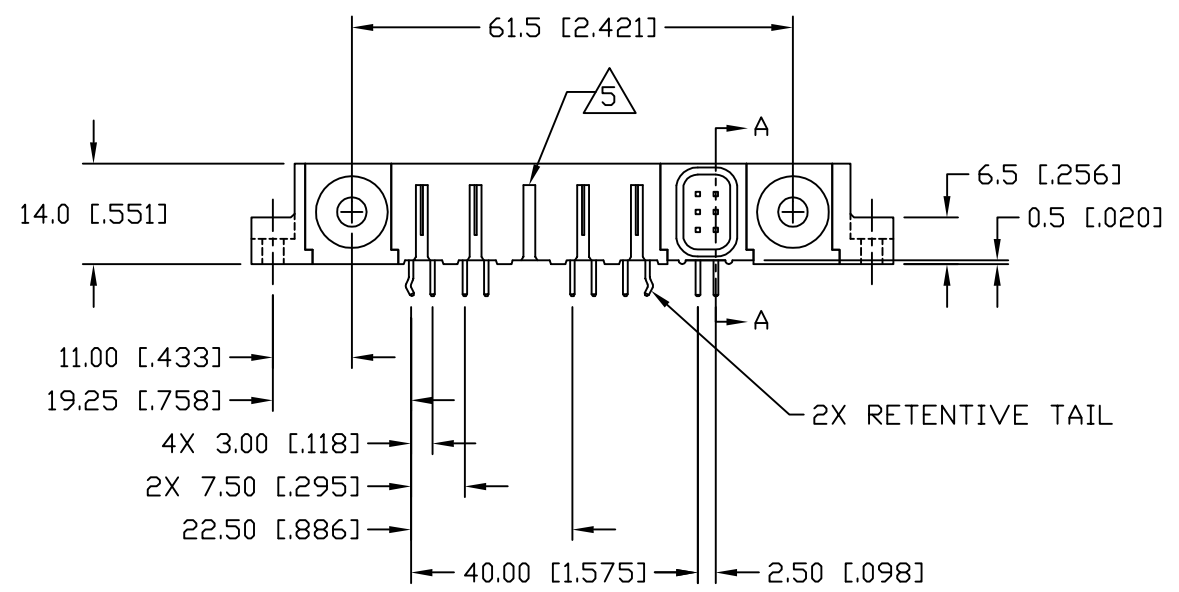
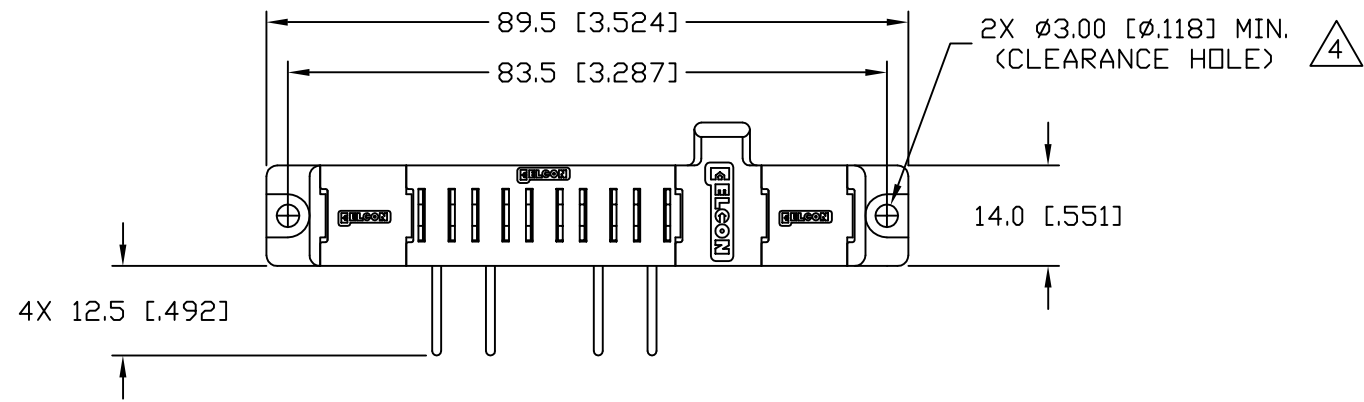
MM OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN HA NGUYEN	DATE 10/19/05	Tyco Electronics Corporation Menlo Park, Ca 94025 TITLE CONNECTOR, PIN, RIGHT ANGLE STD SOLDER TAILS, FLATPAQ PN: 6646816-1		
	CHECKED				
	APPROVED				
	APPROVED D. CHAU	10/20/05	SIZE B	DWG NUMBER C = 6646816	REV. A
	M. ALIM	10/20/05			
ACAD FILE NUMBER C6646816A.DWG			DWG SCALE 1 = 1		SH 1 OF 3

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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



SECTION A-A
SCALE: 2:1

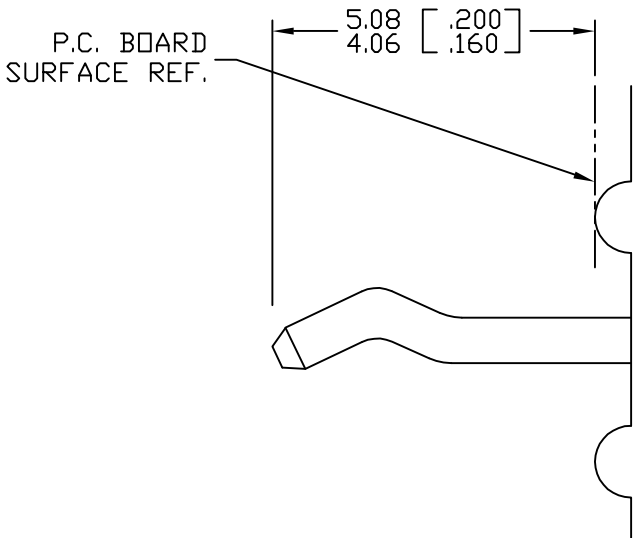


PRINTED CIRCUIT BOARD LAYOUT

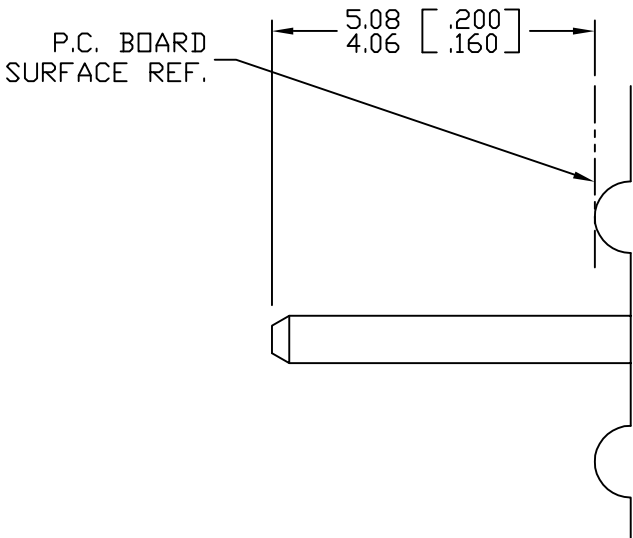
MM OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN HA NGUYEN	DATE 10/19/05	Tyco Electronics Corporation Menlo Park, Ca 94025		
	CHECKED				
	APPROVED		TITLE CONNECTOR, PIN, RIGHT ANGLE STD SOLDER TAILS, FLATPAQ PN: 6646816-1		
	APPROVED				
	D. CHAU	10/20/05	SIZE B	DWG NUMBER C = 6646816	REV. A
M. ALIM		10/20/05			
ACAD FILE NUMBER		C6646816A.DWG		DWG SCALE 1=1	SH 2 OF 3

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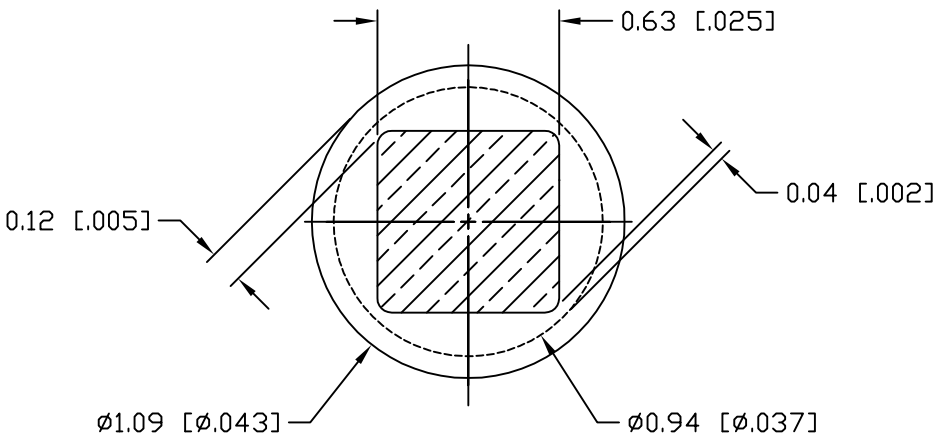
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



RETENTIVE TAIL DETAIL
SCALE: 10 : 1



SOLDER PIN DETAIL
SCALE: 10 : 1



SOLDER TERMINATION AREA

SCALE: 40 : 1

RECOMMENDED PRINTED CIRCUIT HOLE

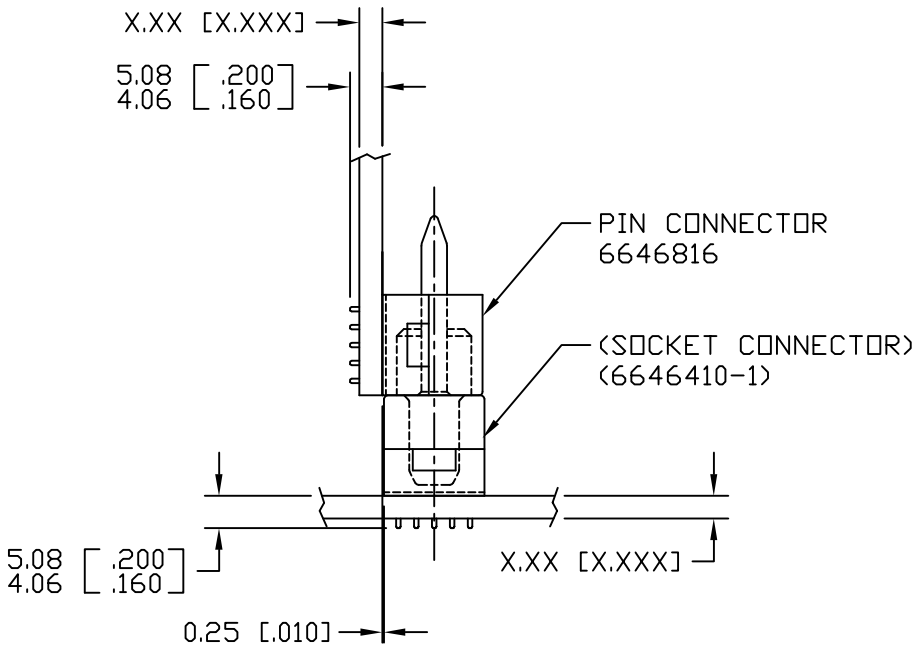
FINISHED HOLE: Ø1.02 [.040] ± 0.08 [.003]

DRILLED HOLE: Ø1.15 [.0453] ± 0.013 [.0005]

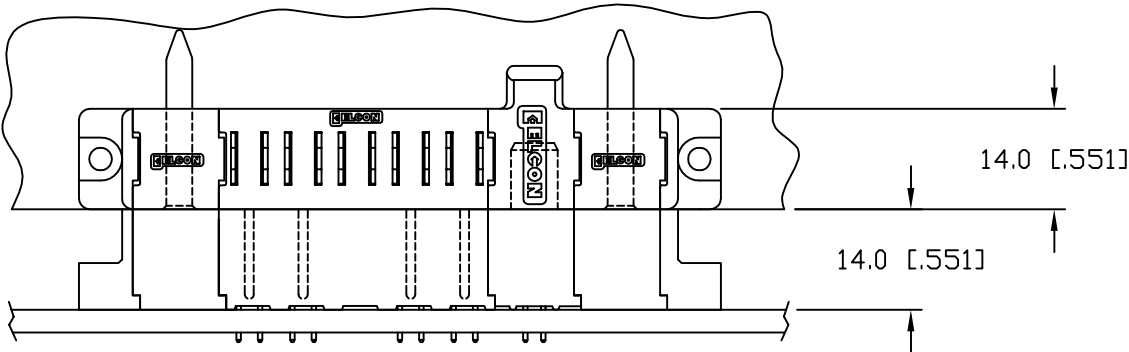
COPPER PLATE: 0.025 [.0010] MINIMUM (PER SURFACE)

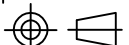
TIN PLATE: 0.008 [.0003] MINIMUM (PER SURFACE)

DETAIL A



MATED CONDITION



← MM INCH OR MM [INCH]  THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN HA NGUYEN	DATE 10/19/05	tyco Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON		
	CHECKED		TITLE USER INFORMATION SOLDER TAIL TERMINATION AND MATED CONDITION		
	APPROVED				
	APPROVED				
D. CHAU	10/20/05	SIZE B	DWG NUMBER C = 6646816	REV. A	
DCA APPROVED	10/20/05				
M. ALIM	10/20/05				
ACAD FILE NUMBER		C6646816A.DWG		DWG SCALE	1 = 1
				SH 3 OF 3	