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## REVISIONS

EC	REV	DESCRIPTION	DATE
—	A	NEW RELEASE	06/28/05

## 5. MODULE INFORMATION

CONNECTOR	TYCO PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	17766690-1	FP0104	2	8	2	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 VOLTS
		FP0516	1	ACTIVE RIGHT ANGLE GUIDE SOCKET					

\*IAW IEC-950

NOTES: UNLESS OTHERWISE SPECIFIED.

- 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.

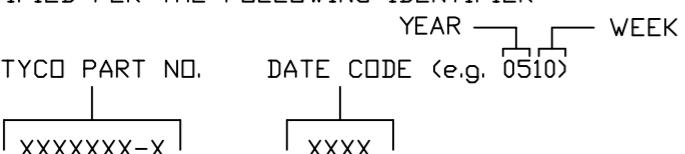
CROWN BANDS: BERYLLIUM COPPER ALLOY.

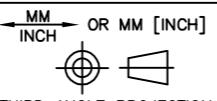
## 3. FINISHES:

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

TERMINALS: TIN PLATED, MATTE FINISH  
.000100" MIN. THICKNESS.

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

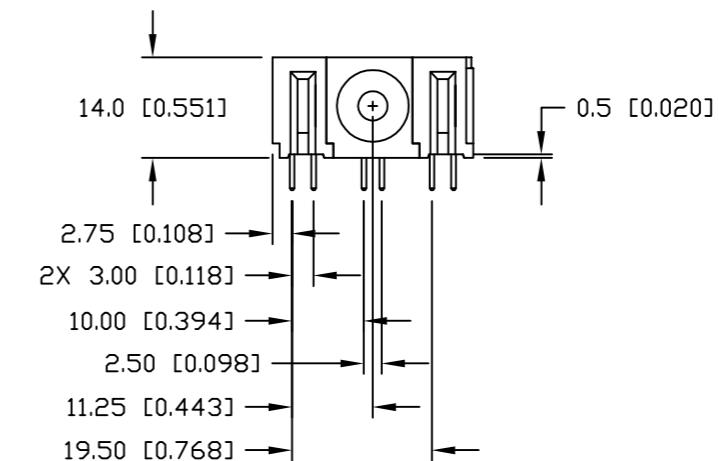
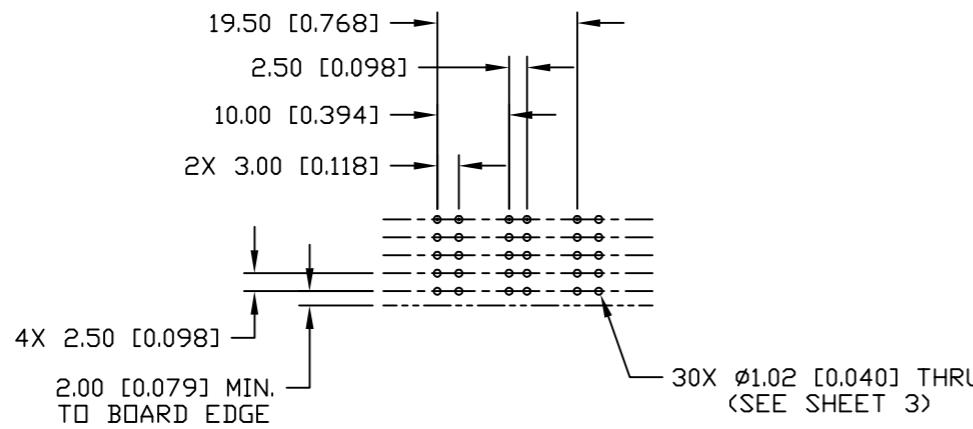
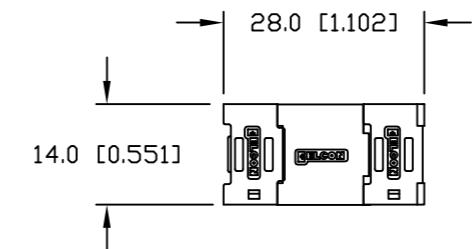
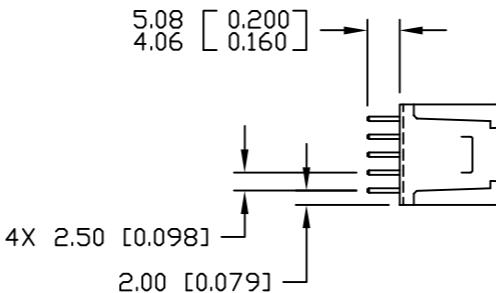


 THIRD ANGLE PROJECTION	DRAWN	DATE	<b>tyco</b> <b>Electronics</b>	Tyco Electronics Corporation Menlo Park, Ca 94025
	CHECKED			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	APPROVED			
TOLERANCES	APPROVED			
ANGLES $\pm .5^\circ$	D. CHAU	06/29/05		
DECIMALS	DCA APPROVED			
.XX $\pm .25$ [.010]	M. ALIM	06/30/05		
.X $\pm .5$ [.020]	ACAD FILE NUMBER	C1766690A.DWG	DWG SCALE	1 = 1
			REV.	SH 1 OF 3

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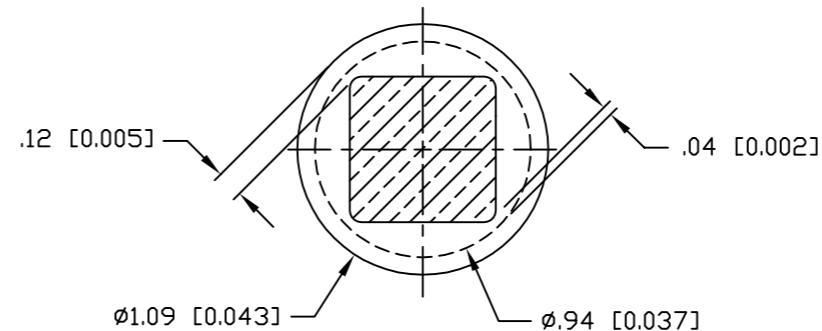
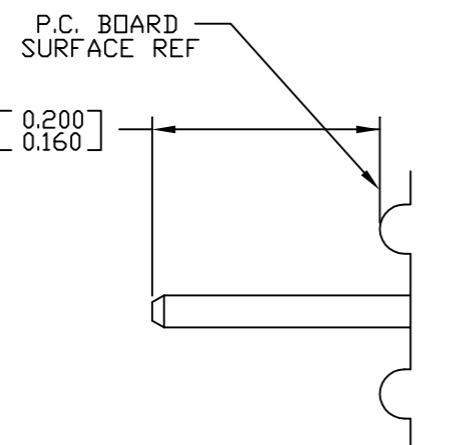
## REVISIONS

EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

PRINTED CIRCUIT LAYOUT

 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	DRAWN	DATE	<b>tyco</b> <b>Electronics</b>	Tyco Electronics Corporation Menlo Park, Ca 94025
	CHECKED			
	APPROVED			
	APPROVED			
	D. CHAU	06/29/05		
	DCA APPROVED			
	M. ALIM	06/30/05		
	DECIMALS			
	.XX ± .25 [.010]			
	.X ± .5 [.020]			
	ACAD FILE NUMBER	C1766690A.DWG		
	DWG SCALE	1 = 1	SH 2 OF 3	

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### SOLDER TERMINATION AREA

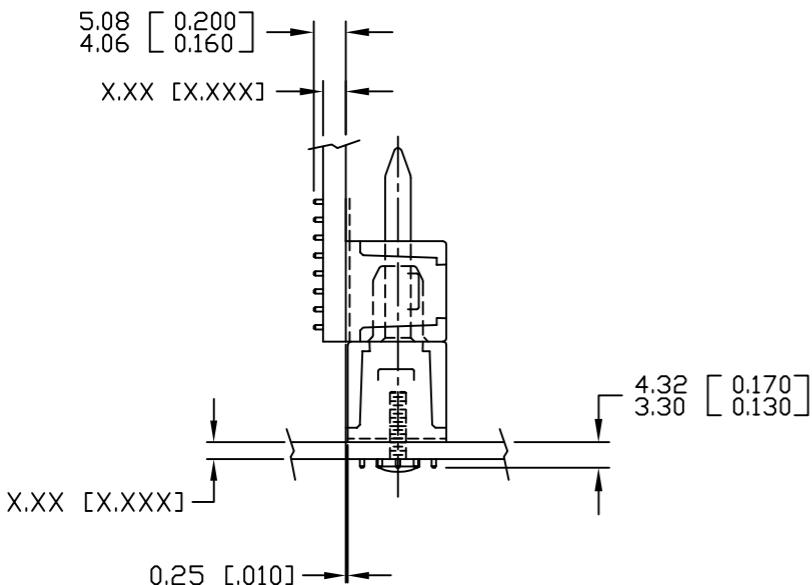
#### RECOMMENDED PRINTED CIRCUIT HOLE

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

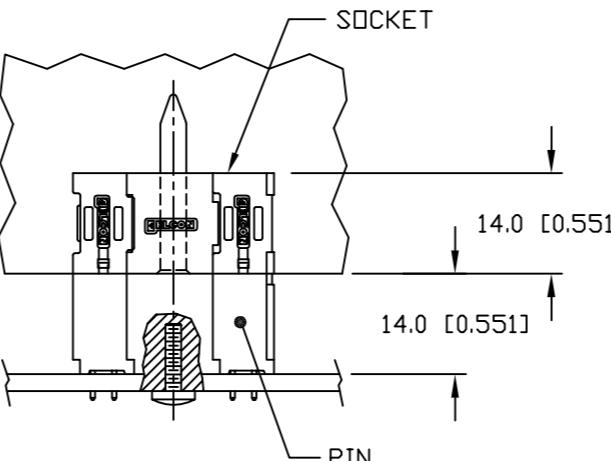
DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]

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

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



### MATED CONDITION



MM OR MM [INCH]		DRAWN	DATE	tyco		TITLE
INCH		R. F. A.	06/10/05	Electronics		Tyco Electronics Corporation Menlo Park, Ca 94025
THIRD ANGLE PROJECTION		CHECKED				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]		APPROVED				
TOLERANCES		APPROVED				
ANGLES $\pm .5^\circ$		D. CHAU	06/29/05			
DECIMALS		DCA APPROVED				
.XX $\pm .25$ [.010]		M. ALIM	06/30/05			
.X $\pm .5$ [.020]		ACAD FILE NUMBER	C1766690A.DWG			
		DWG SCALE	1 = 1	SH 3 OF 3		

# Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[1766690-1](#)