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## REVISIONS

EC	REV	DESCRIPTION	DATE
0S1Q-0081-05	A	NEW RELEASE	3/15/05

B

B

## 6. MODULE INFORMATION

CONNECTOR	TYCO PART NUMBER	ELCON PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
PIN	6646997-1	279-0918-10100A	FP0105	2	8	2	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 VOLTS
			FP0106	1		1				
			FP0507	1	RIGHT ANGLE GUIDE PIN					

NOTES: UNLESS OTHERWISE SPECIFIED.

\*IAW IEC-950

- 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.

GUIDE PIN: BRASS COPPER ALLOY.

## 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, .000120" TO .000170" THICK.

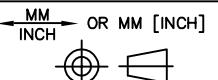
GUIDE PIN: NICKEL PLATED PER AMS 2404.

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

YEAR — WEEK

ELCON PART NO. & REV      DATE CODE (e.g. 0515)  
 XXX-XXXX-XXXXX [ ]      XXXX

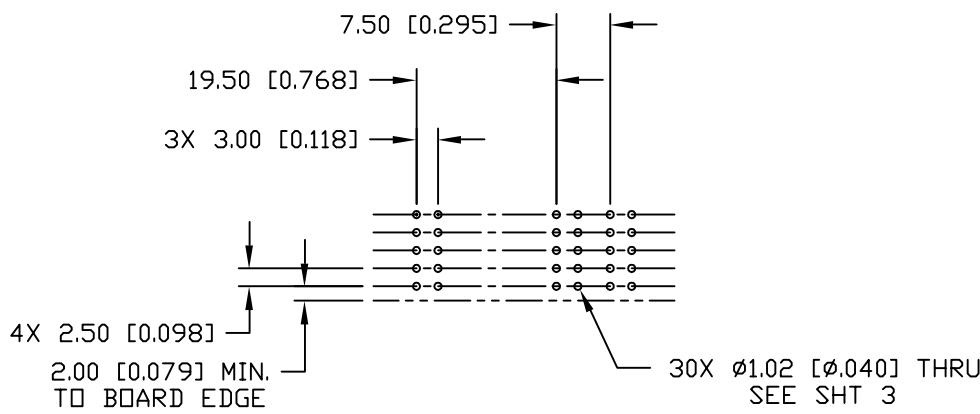
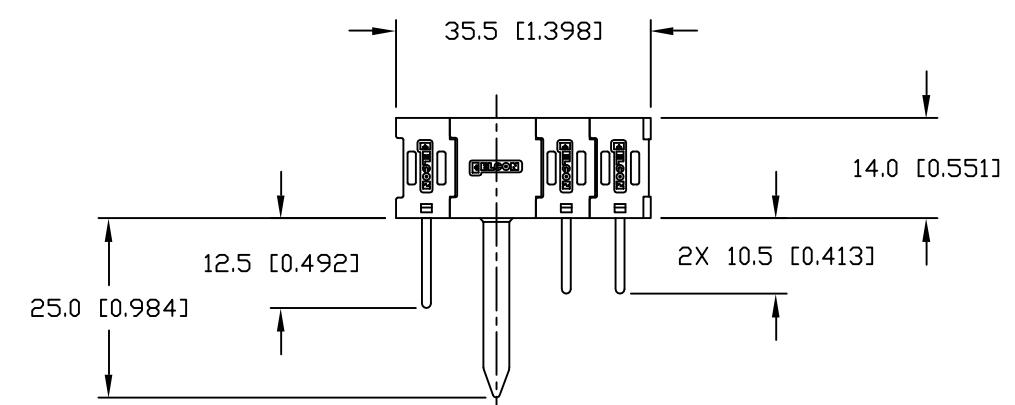
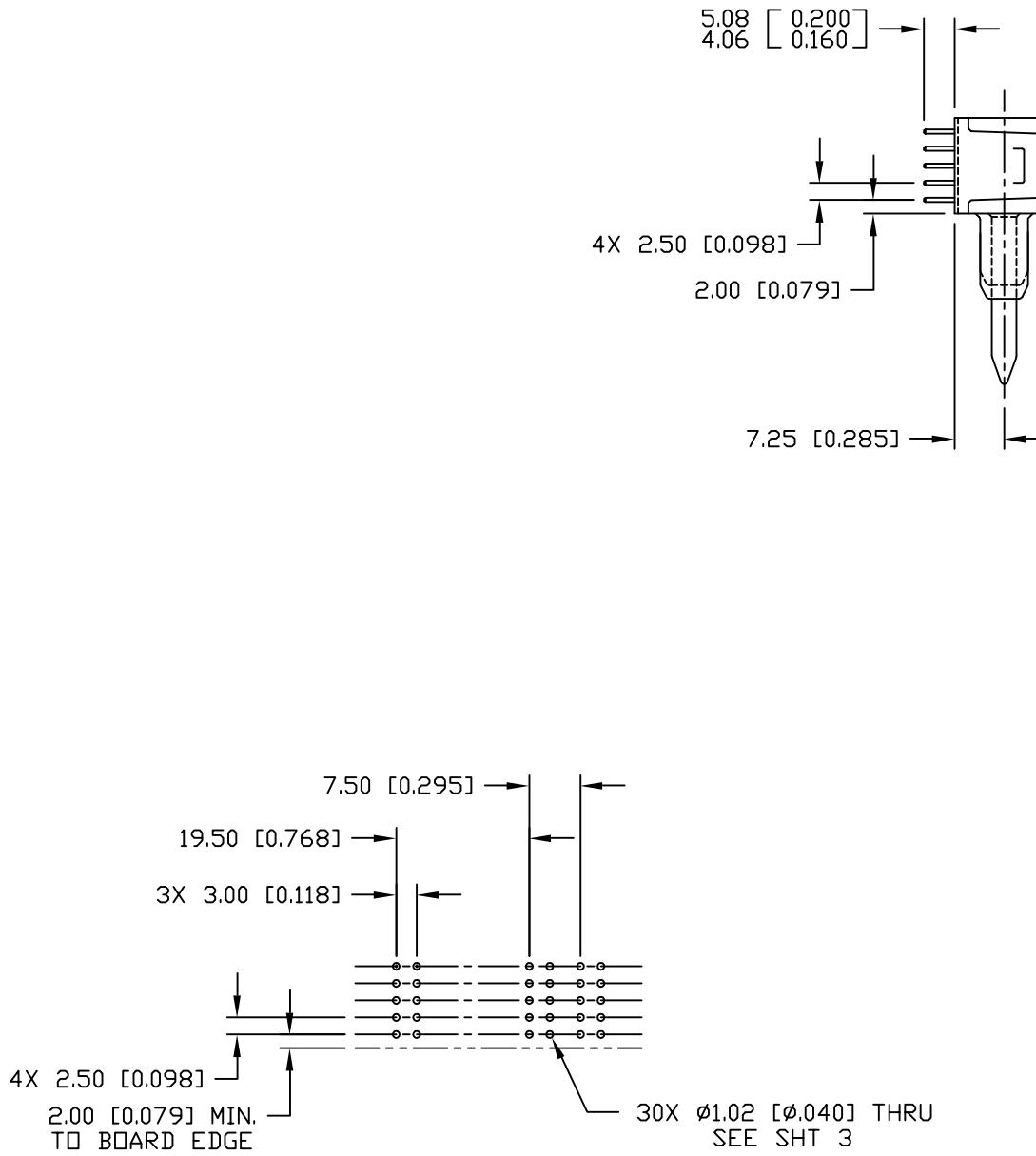
- THIS CONNECTOR MATES WITH SOCKET CONNECTOR PN: 278-0918-00200.

 <small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</small>	DRAWN	DATE	<b>tyco</b> <b>Electronics</b> Tyco Electronics Corporation Menlo Park, Ca 94025 <b>ELCON</b>
	CHECKED		
	APPROVED		
	APPROVED		
	APPROVED		
	D. CHAU	03/16/05	
	DCA APPROVED		
	M. ALIM	03/18/05	
	ACAD FILE NUMBER	C6646997A.DWG	
	DWG SCALE	1=1	SH 1 OF 3

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## REVISIONS

EC	REV	DESCRIPTION	DATE
SEE SHEET 1			



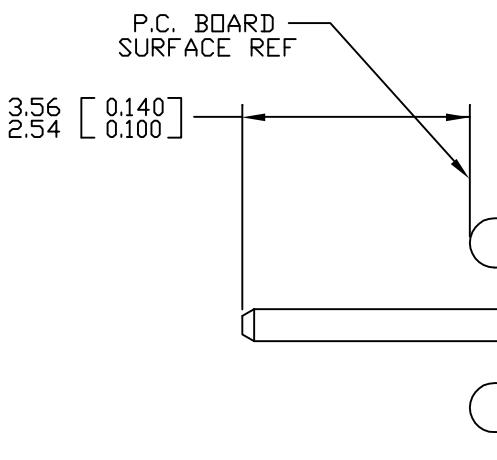
## PRINTED CIRCUIT LAYOUT

 <b>THIRD ANGLE PROJECTION</b>	DRAWN	DATE	 <b>Tyco Electronics</b> Tyco Electronics Corporation Menlo Park, Ca 94025
	CHECKED		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	APPROVED		
TOLERANCES	APPROVED		
ANGLES $\pm .5^\circ$	APPROVED		
DECIMALS	D. CHAU	03/16/05	
.XX $\pm .25$ [.010]	DCA APPROVED		
.X $\pm .5$ [.020]	M. ALIM	03/18/05	
ACAD FILE NUMBER	C6646997A.DWG		
			DWG SCALE 1=1 SH 2 OF 3

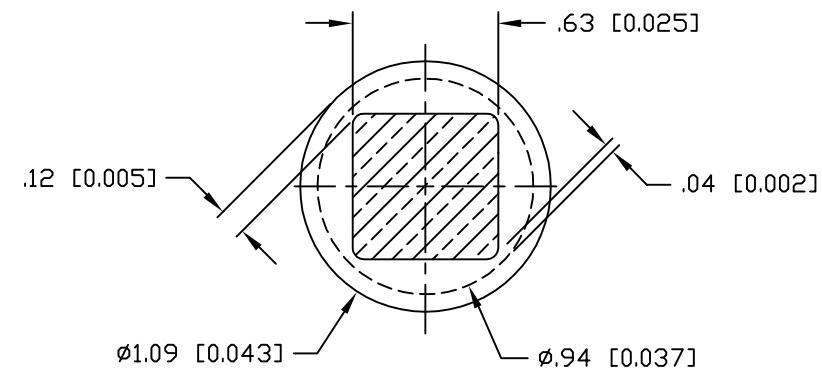
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SEE SHEET 1			



SOLDER PIN DETAIL



## SOLDER TERMINATION AREA

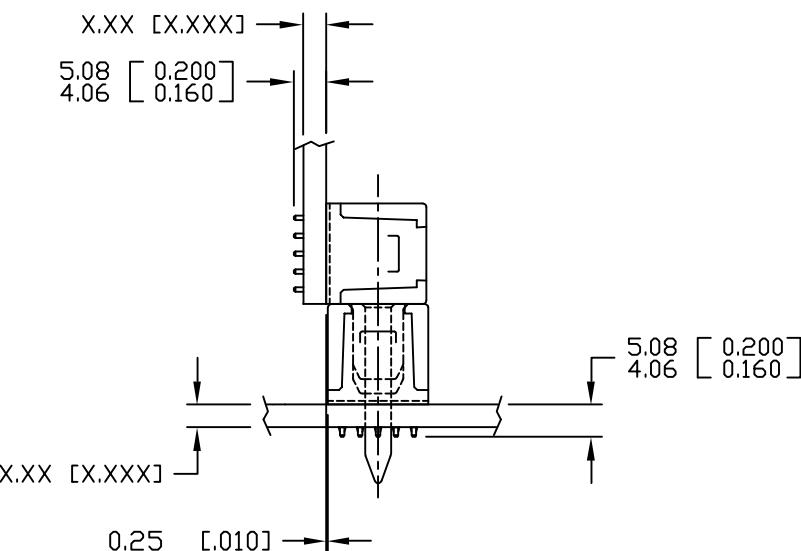
## RECOMMENDED PRINTED CIRCUIT HOLE

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

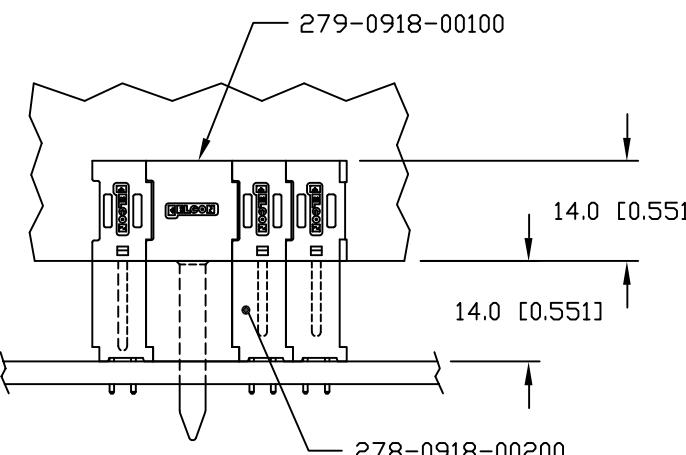
DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]

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

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



MATED CONDITION



OR MM [INCH] THIRD ANGLE PROJECTION	DRAWN	DATE	<b>tyco</b> <b>Electronics</b> Tyco Electronics Corporation Menlo Park, Ca 94025 <b>ELCON</b>
	CHECKED		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	APPROVED		TITLE
TOLERANCES	APPROVED		USER INFORMATION
ANGLES $\pm .5^\circ$	APPROVED		SOLDER TAIL TERMINATION
DECIMALS	D. CHAU	03/16/05	AND MATED CONDITION
.XX $\pm .25$ [.010]	DCA APPROVED		
.X $\pm .5$ [.020]	M. ALIM	03/18/05	
	ACAD FILE NUMBER	C6646997A.DWG	SIZE DWG NUMBER
			C - 6646997
			REV. A
	DWG SCALE	1 = 1	SH 3 OF 3

# Mouser Electronics

Authorized Distributor

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