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

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					

*IAW IEC-950

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.

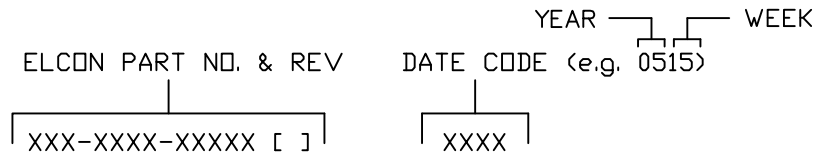
CROWN BANDS: BERYLLIUM COPPER ALLOY.

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



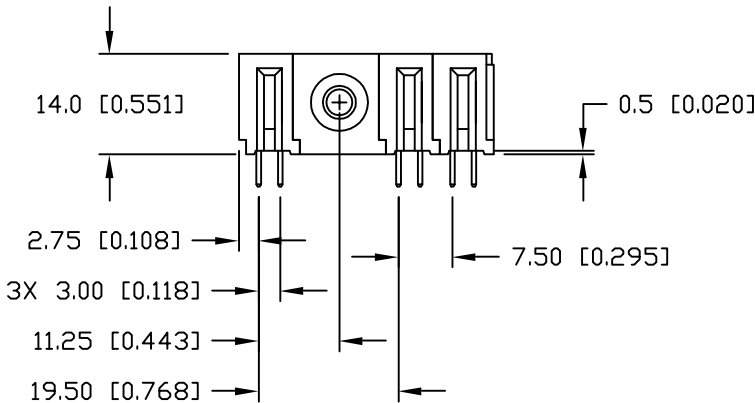
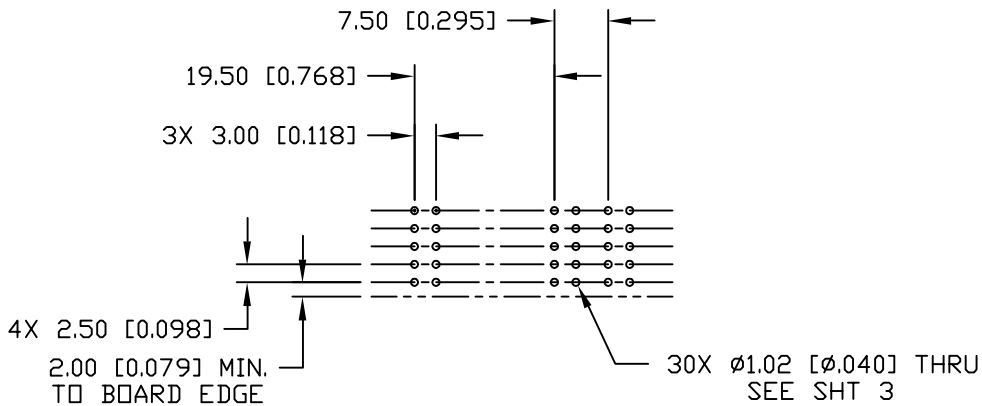
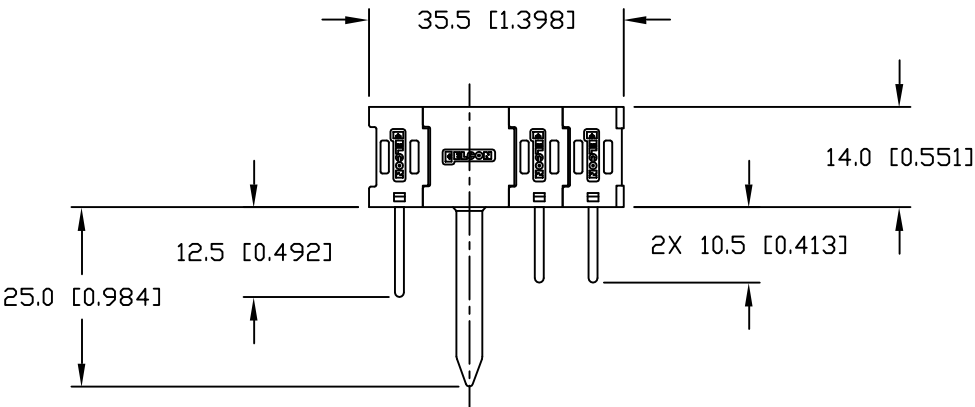
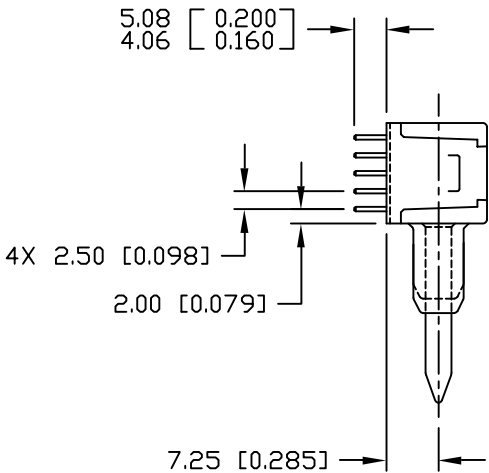
5. THIS CONNECTOR MATES WITH SOCKET CONNECTOR PN: 278-0918-00200.

<div>MM INCH</div> <div>OR MM [INCH]</div> <div></div> <div>THIRD ANGLE PROJECTION</div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</div> <div>TOLERANCES</div> <div>ANGLES ± .5°</div> <div>DECIMALS</div> <div>.XX ± .25 [.010]</div> <div>.X ± .5 [.020]</div>	DRAWN R. F. A.	DATE 03/15/05	<div> Tyco Electronics Corporation Menlo Park, Ca 94025</div> <div></div>	
	CHECKED		TITLE PIN CONNECTOR, FLATPAQ RIGHT ANGLE, SOLDER TAILS PN: 279-0918-10100A	
	APPROVED			
	APPROVED			
	D. CHAU	03/16/05	SIZE B	DWG NUMBER C = 6646997
DCA APPROVED	03/18/05			
M. ALIM				
ACAD FILE NUMBER	C6646997A.DWG		DWG SCALE 1 = 1	SH 1 OF 3

REV.
A

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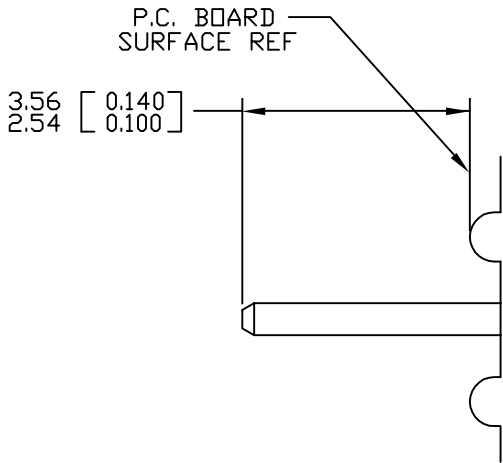
REVISIONS			
EC	REV	DESCRIPTION	DATE
SEE SHEET 1			



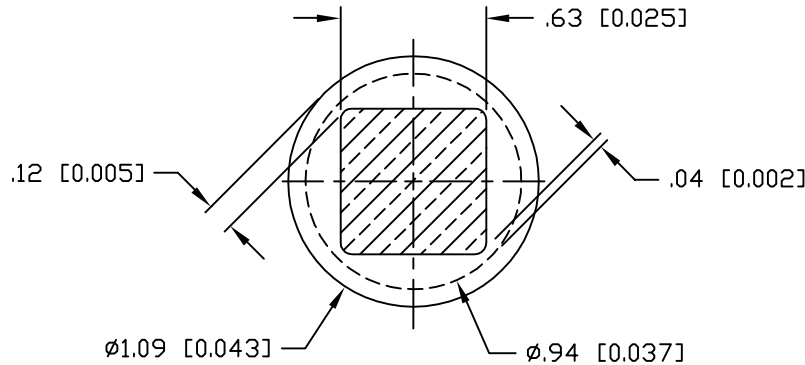
PRINTED CIRCUIT LAYOUT

<div>MM OR MM [INCH]</div> <div></div> <div>THIRD ANGLE PROJECTION</div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</div> <div>TOLERANCES</div> <div>ANGLES ± .5°</div> <div>DECIMALS</div> <div>.XX ± .25 [.010]</div> <div>.X ± .5 [.020]</div>	DRAWN R. F. A.	DATE 03/15/05	<div> Tyco Electronics Corporation Menlo Park, Ca 94025</div> <div></div>	
	CHECKED		TITLE PIN CONNECTOR, FLATPAQ RIGHT ANGLE, SOLDER TAILS PN: 279-0918-10100A	
	APPROVED		SIZE B	
	APPROVED D. CHAU DCA APPROVED M. ALIM	03/16/05 03/18/05	DWG NUMBER C = 6646997	
ACAD FILE NUMBER C6646997A.DWG			DWG SCALE 1 = 1	REV. A SH 2 OF 3

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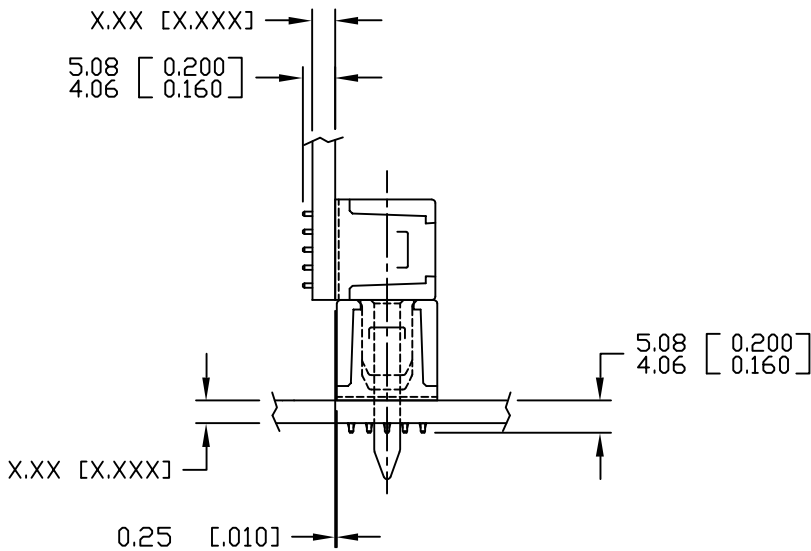
SOLDER PIN DETAIL



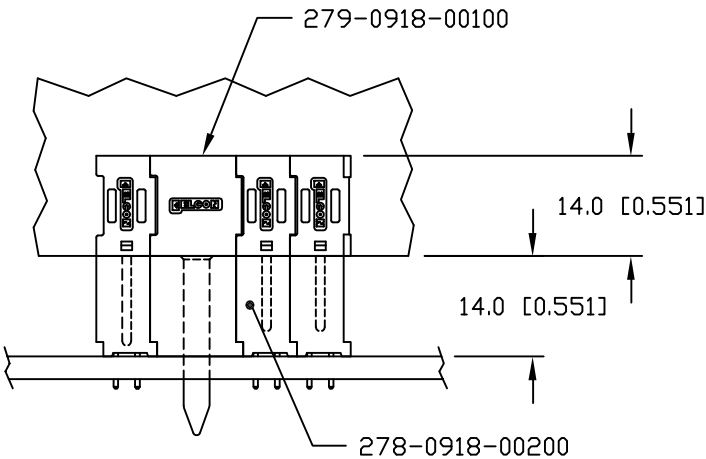
SOLDER TERMINATION AREA

RECOMMENDED PRINTED CIRCUIT HOLE

FINISHED HOLE: $\phi 1.02 [0.040] \pm .08 [0.003]$
DRILLED HOLE: $\phi 1.15 [0.0453] \pm .013 [0.0005]$
COPPER PLATE: .025 [0.0010] MINIMUM (PER SURFACE)
TIN PLATE: .008 [0.0003] MINIMUM (PER SURFACE)



MATED CONDITION



<div>MM INCH</div> <div></div> <div>THIRD ANGLE PROJECTION</div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</div> <div>TOLERANCES</div> <div>ANGLES $\pm .5^\circ$</div> <div>DECIMALS</div> <div>.XX $\pm .25 [0.010]$</div> <div>.X $\pm .5 [0.020]$</div>	DRAWN R. F. A.	DATE 03/15/05	<div> Tyco Electronics Corporation Menlo Park, Ca 94025</div> <div></div>			
	CHECKED		TITLE			
	APPROVED		USER INFORMATION SOLDER TAIL TERMINATION AND MATED CONDITION			
	APPROVED D. CHAU	03/16/05	SIZE B	DWG NUMBER C = 6646997	REV. A	
M. ALIM		03/18/05				
ACAD FILE NUMBER		C6646997A.DWG			DWG SCALE 1 = 1	SH 3 OF 3