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## REVISIONS

EC	REV	DESCRIPTION	DATE
0S1Q-0417-04	A	NEW RELEASE	11/22/04

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	6651840-1	479-0852-10100A	FP0151	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					
PIN	6651840-2	479-0852-10300A	FP1151	2	8	2	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 VOLTS
			FP1516	1	ACTIVE RIGHT ANGLE GUIDE SOCKET					

\*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.

## 3. FINISHES:

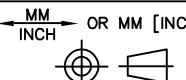
CONTACTS: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0, .000030" MIN. THK, OVER NICKEL PER QQ-N-290, CLASS 2, .000040" MIN. THICKNESS.

TERMINALS: TIN PLATED, MATTE FINISH, .000120" TO .000170" THICK.

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

YEAR ————— WEEK  
 ELCON PART NO. & REV DATE CODE (e.g. 0417)  
 XXX-XXXX-XXXXX [ ] XXXX

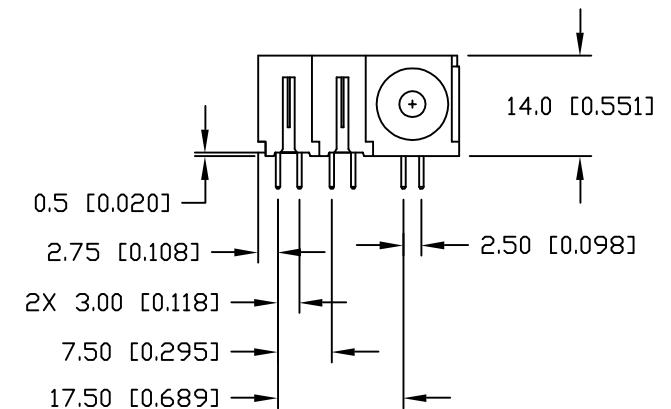
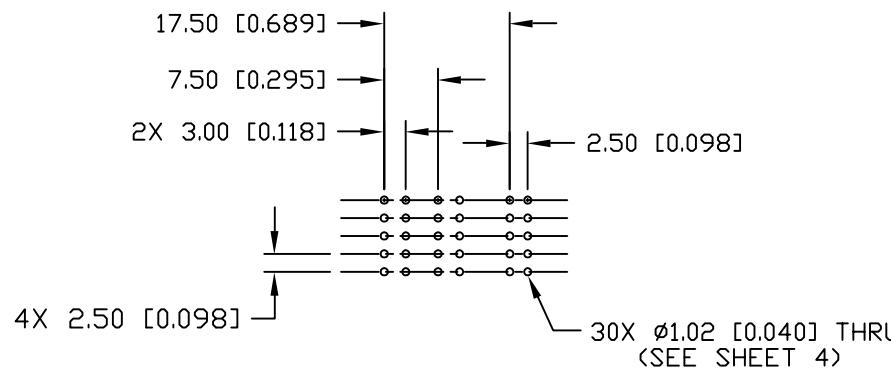
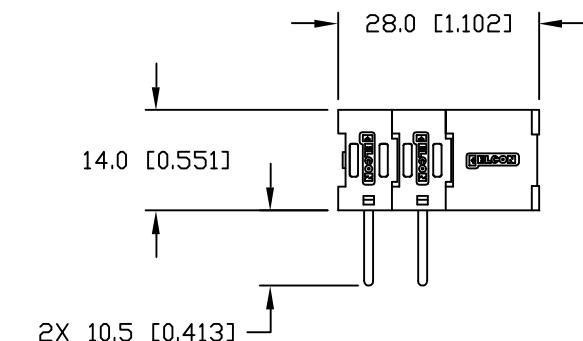
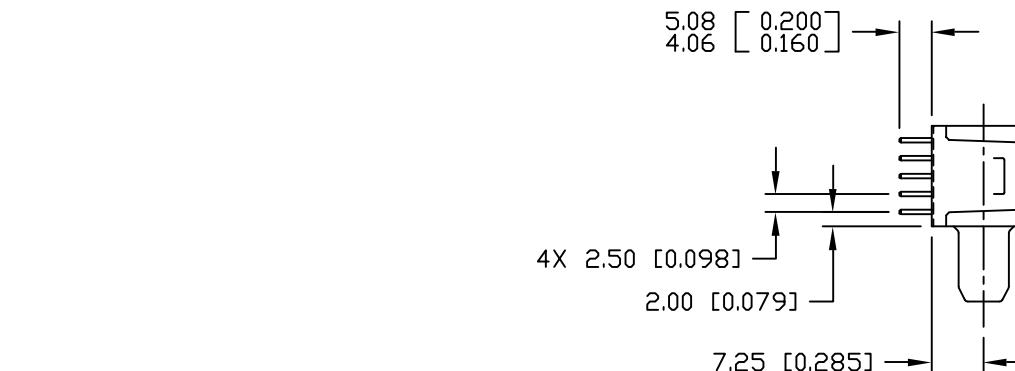
5. THIS CONNECTOR MATES WITH SOCKET CONNECTORS PN 278-0852-10200/-10400 AND PN 279-0852-10600.

 <small>MM OR MM [INCH]</small> <small>INCH</small> <small>THIRD ANGLE PROJECTION</small>	DRAWN R. F. A.	DATE 11/17/04	<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		
TOLERANCES	APPROVED		
ANGLES $\pm .5^\circ$	D. CHAU	11/22/04	
DECIMALS	DCA APPROVED		
.XX $\pm .25$ [.010]	M. ALIM	11/30/04	
.X $\pm .5$ [.020]	ACAD FILE NUMBER	C6651840A.DWG	DWG SCALE 1=1 SH 1 OF 4

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## REVISIONS

EC	REV	DESCRIPTION	DATE
SEE SHEET 1			

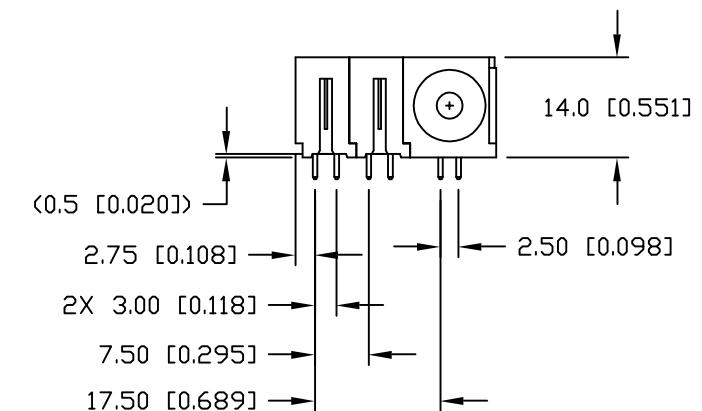
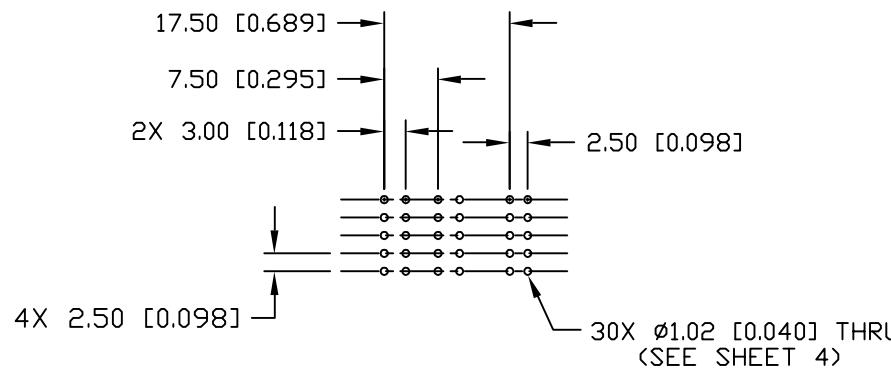
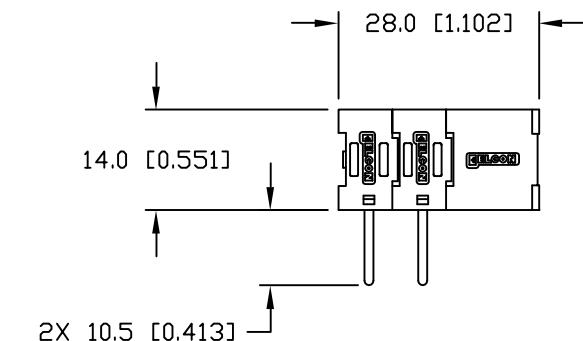
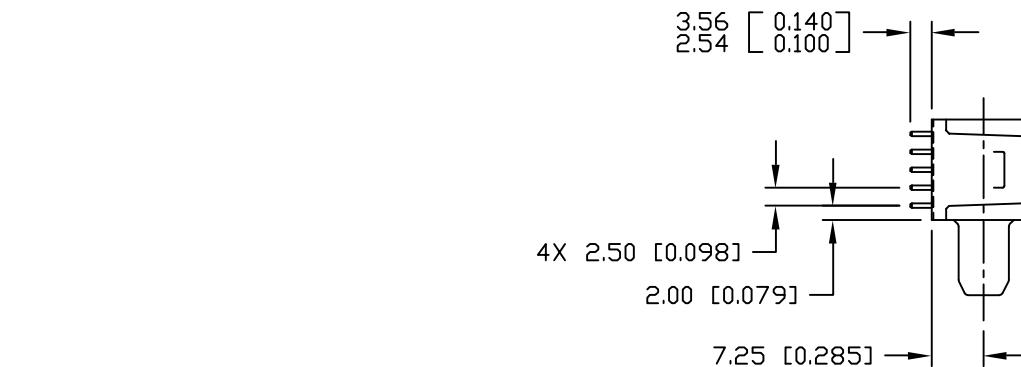
PRINTED CIRCUIT LAYOUT

 <b>THIRD ANGLE PROJECTION</b>	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		<b>TITLE</b>
TOLERANCES	APPROVED		PIN CONNECTOR, FLATPAQ RIGHT ANGLE, STD SOLDER TAILS
ANGLES $\pm .5^\circ$	APPROVED		PN: 479-0852-10100A
DECIMALS	D. CHAU	11/22/04	
.XX $\pm .25$ [.010]	DCA APPROVED		
.X $\pm .5$ [.020]	M. ALIM	11/30/04	<b>SIZE</b> DWG NUMBER
			<b>C</b> = 6651840 A
	ACAD FILE NUMBER	C6651840A.DWG	DWG SCALE 1=1 SH 2 OF 4

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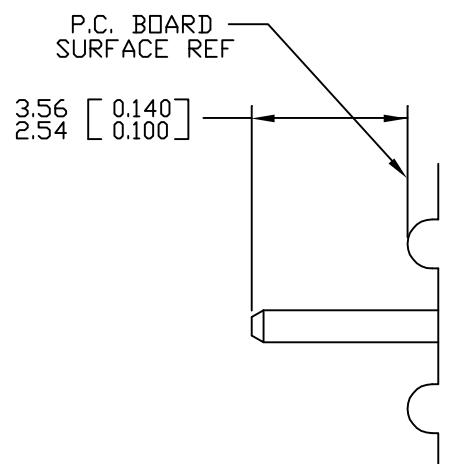
## REVISIONS

EC	REV	DESCRIPTION	DATE
SEE SHEET 1			

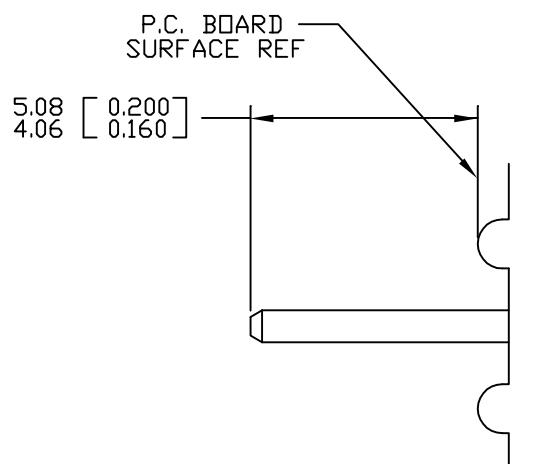
PRINTED CIRCUIT LAYOUT

 <b>THIRD ANGLE PROJECTION</b>	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		<b>TITLE</b>
TOLERANCES	APPROVED		PIN CONNECTOR, FLATPAQ
ANGLES $\pm .5^\circ$	APPROVED		RIGHT ANGLE, SHORT SOLDER TAILS
DECIMALS	D. CHAU	11/22/04	PN: 479-0852-10300A
.XX $\pm .25$ [.010]	DCA APPROVED		
.X $\pm .5$ [.020]	M. ALIM	11/30/04	
	ACAD FILE NUMBER	C6651840.DWG	
			DWG SCALE 1=1 SH 3 OF 4

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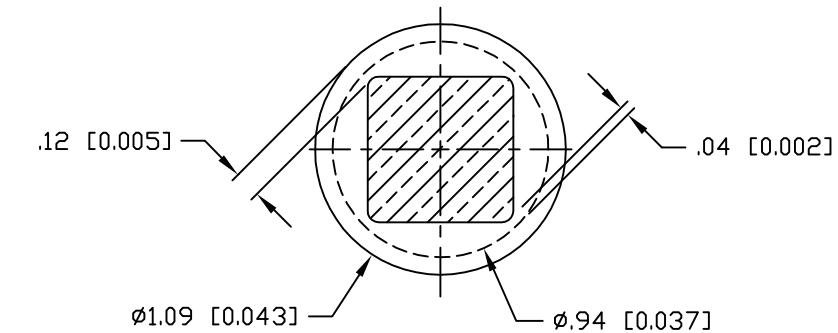


SOLDER PIN DETAIL



SOLDER PIN DETAIL

REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

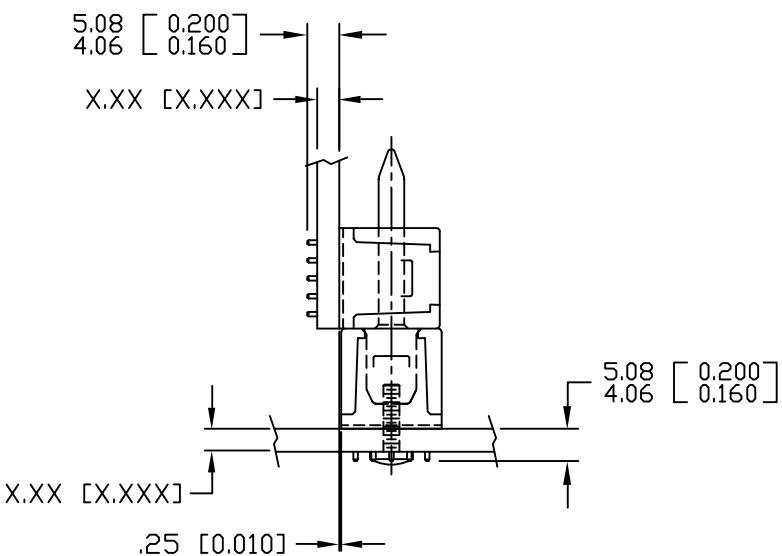
SOLDER TERMINATION AREARECOMMENDED PRINTED CIRCUIT HOLE

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

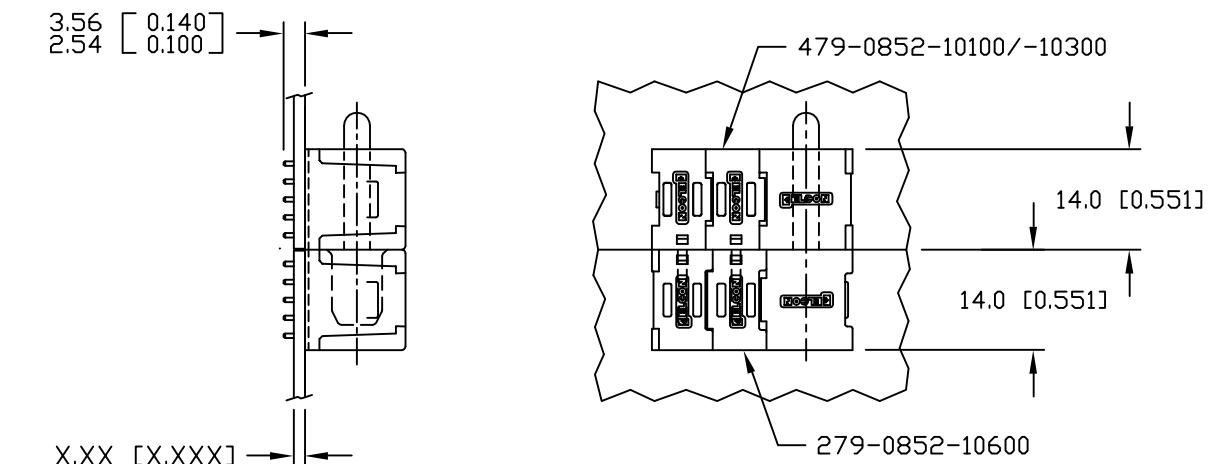
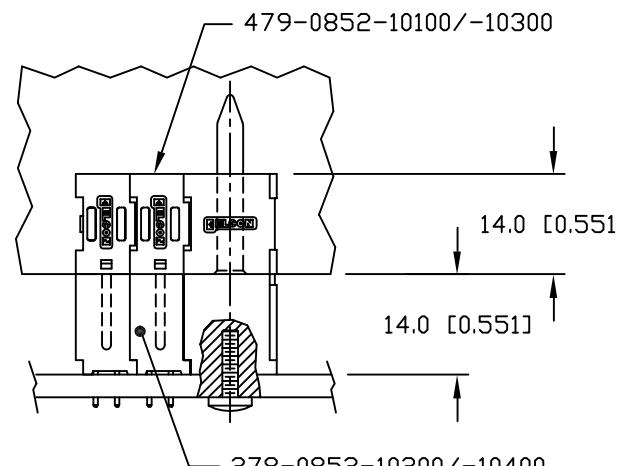
DRILLED HOLE: Ø1.15 [0.453] ±.013 [0.0005]

COPPER PLATE: .025 [.0010] MINIMUM (PER SURFACE)

TIN PLATE: .008 [.0003] MINIMUM (PER SURFACE)



MATED CONDITION



MATED CONDITION

 THIRD ANGLE PROJECTION	DRAWN R. F. A.	DATE 11/17/04	<b>tyco</b> <b>Electronics</b>	Tyco Electronics Corporation Menlo Park, Ca 94025
	CHECKED			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	APPROVED		ELCON	
TOLERANCES	APPROVED			
ANGLES $\pm .5^\circ$	D. CHAU	11/22/04		
DECIMALS	DCA APPROVED			
.XX $\pm .25$ [.010]	M. ALIM	11/30/04		
.X $\pm .5$ [.020]	ACAD FILE NUMBER	C6651840.DWG	REV.	A
			DWG SCALE	1=1 SH 4 OF 4

# Mouser Electronics

Authorized Distributor

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[6651840-1](#)