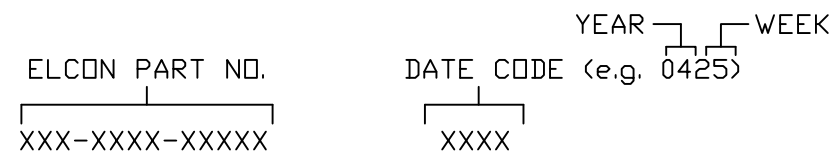


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REVISIONS			
EC	REV	DESCRIPTION	DATE
DS1Q-0029-05	A	NEW RELEASE	01/19/05

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



7. RECOMMENDED PRESSING TOOL:  
 FIX00058 FOR PART NUMBER 285-0102-01300.  
 CONTACT ELCON FOR TOOLING QUOTE OR TO ORDER.

6. EXAMPLE PCB CONFIGURATION.

5. THIS 2X2 SEGMENT CONFIGURATION SHOWN IS FOR REFERENCE ONLY. COMBINATION OF MULTIPLE NUMBERS OF 2 AND 3 SEGMENT MODULES COULD BE USED PER USER PREFERENCE. OVERALL COMBINATION SHOULD NOT EXCEED 8.0" IN LENGTH.

4. SOCKETS ACCEPT 1.6 [0.062] ±10% THICK PC BOARD.

3. FINISHES:

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

TERMINALS: TIN PLATE, MATTE FINISH, .000100" MINIMUM THICKNESS

2. MATERIALS:

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

CONTACTS: PHOSPHOR BRONZE ALLOY

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

NOTES: UNLESS OTHERWISE SPECIFIED;

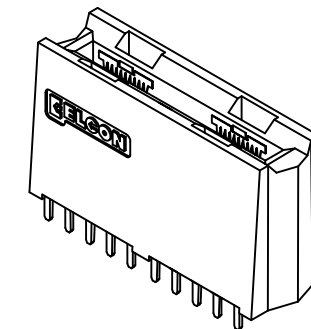
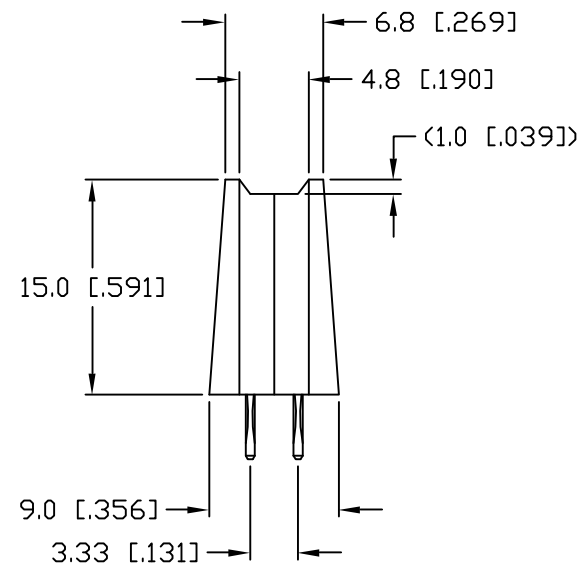
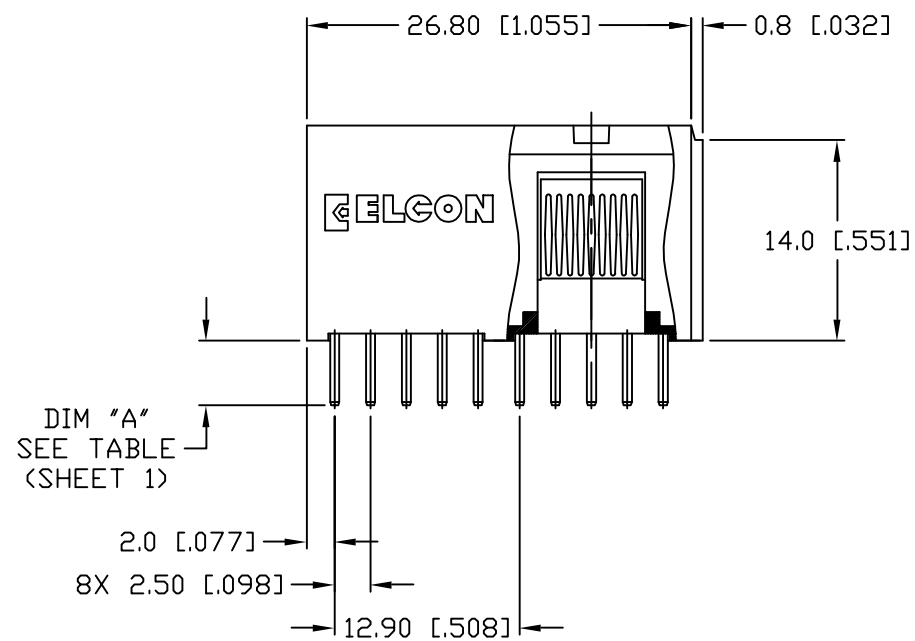
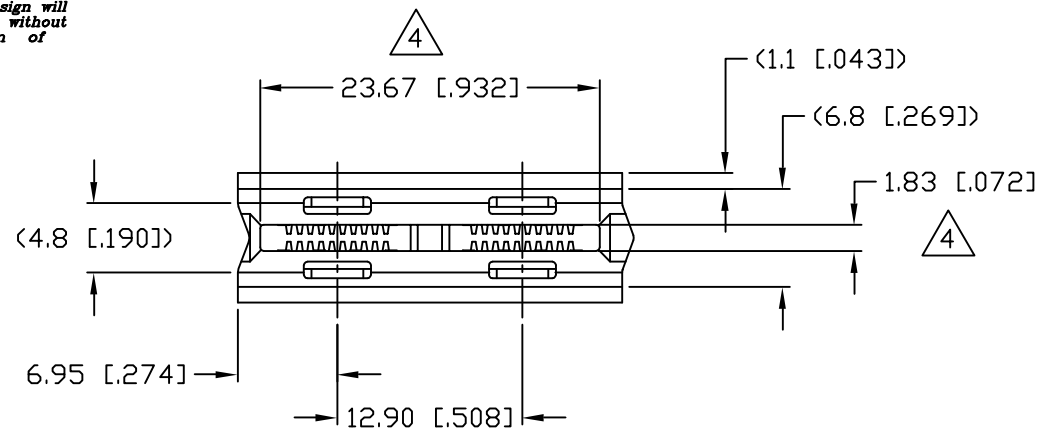
9. PART NUMBER INFORMATION

CONNECTOR	REFERENCE TYCO PN	ELCON PART NUMBER	TERMINATION TYPE	PC TAIL LENGTH DIM "A"	RECOMMENDED MOUNTING BOARD	MATING BOARD
SOCKET	6651170-3	285-0102-12100	SOLDER TAIL (SHORT)	3.56 [.140] 2.54 [.100]	1.6 [.062] THICK	1.6 [.062] THICK
SOCKET	6651170-1	285-0102-12300	SOLDER TAIL (STANDARD)	5.08 [.200] 4.06 [.160]	3.2 [.125] OR THINNER	1.6 [.062] THICK
SOCKET	6651170-2	285-0102-11300	COMPLIANT TAIL	5.08 [.200] 4.06 [.160]	2.3 [.093] OR THICKER	1.6 [.062] THICK

<p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</p> <p>TOLERANCES</p> <p>ANGLES ± .5°</p> <p>DECIMALS</p> <p>.XX ± .25 [.010]</p> <p>.X ± .5 [.020]</p>	DRAWN	DATE	Tyco Electronics Corporation Menlo Park, Ca 94025		
	R. F. A.	01/19/05			
	CHECKED		TITLE		
	APPROVED		SOCKET CONNECTOR, CROWN EDGE PN: 285-0102-12100/285-0102-12300 PN: 285-0102-11300		
APPROVED			SIZE	DWG NUMBER	REV.
D. CHAU	02/11/05		B	C = 6651170	A
DCA APPROVED					
M. ALIM	03/02/05				
ACAD FILE NUMBER	C6651170A.DWG		DWG SCALE	2=1 SH 1 OF 5	

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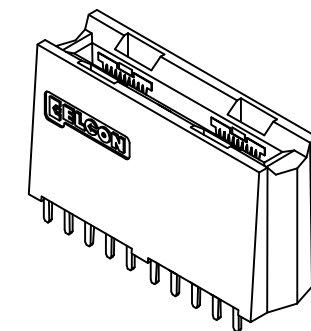
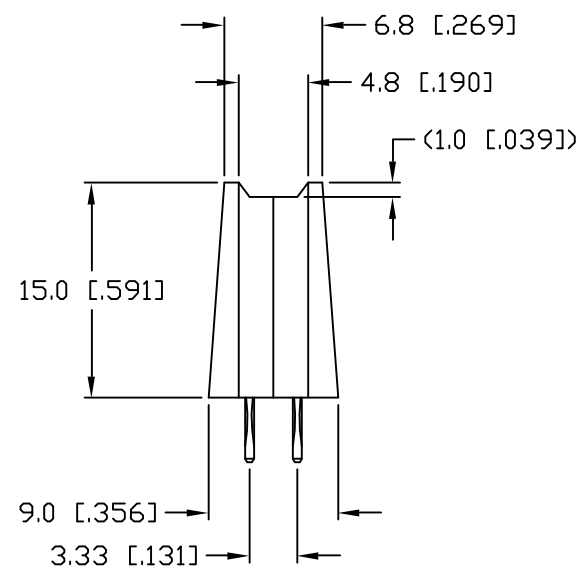
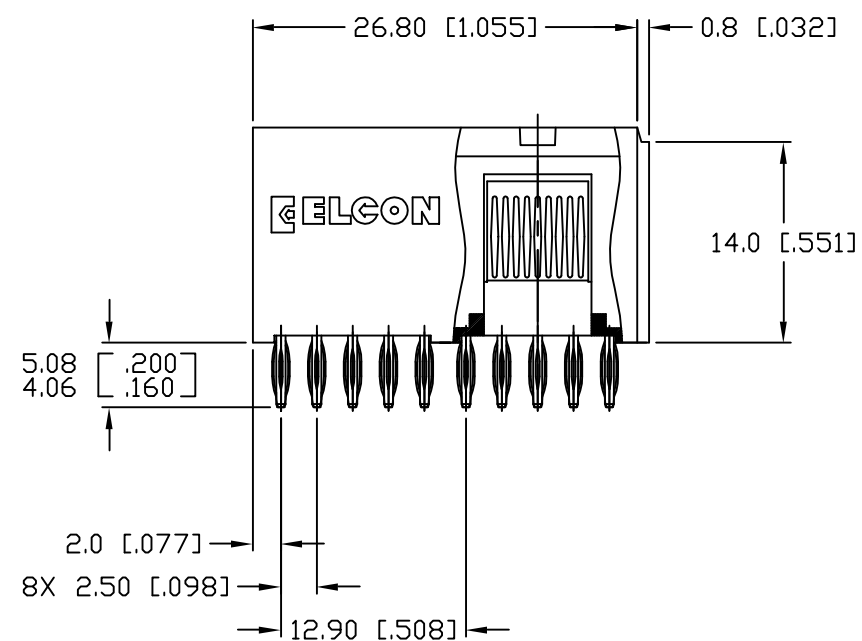
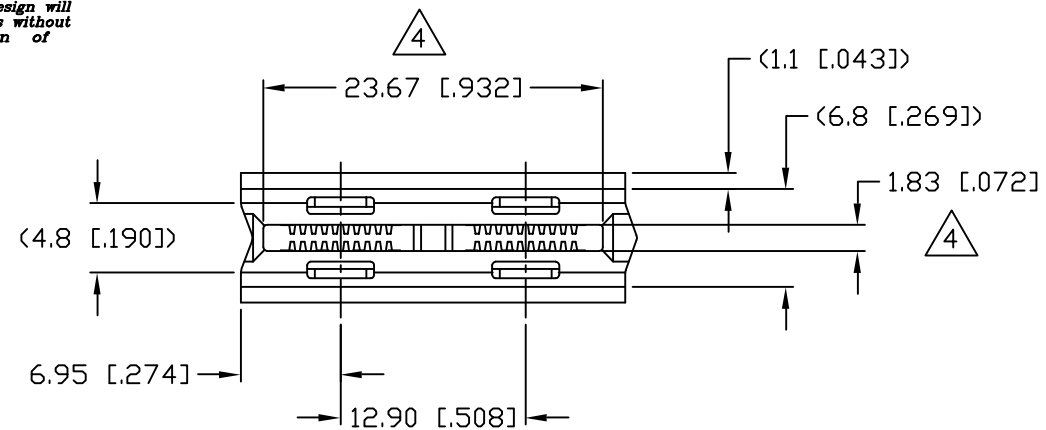
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



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 R. F. A.	DATE 01/19/05	 Tyco Electronics Corporation Menlo Park, Ca 94025 	TITLE
	CHECKED			SOCKET CONNECTOR, CROWN EDGE STRAIGHT, 2 SEG, 4 PWR, SOLDER, NHP PN: 285-0102-12100/12300
	APPROVED			SIZE B
	D. CHAU	02/11/05		DWG NUMBER C = 6651170
M. ALIM	03/02/05		REV. A	
ACAD FILE NUMBER	C6651170A.DWG		DWG SCALE	2=1 SH 2 OF 5

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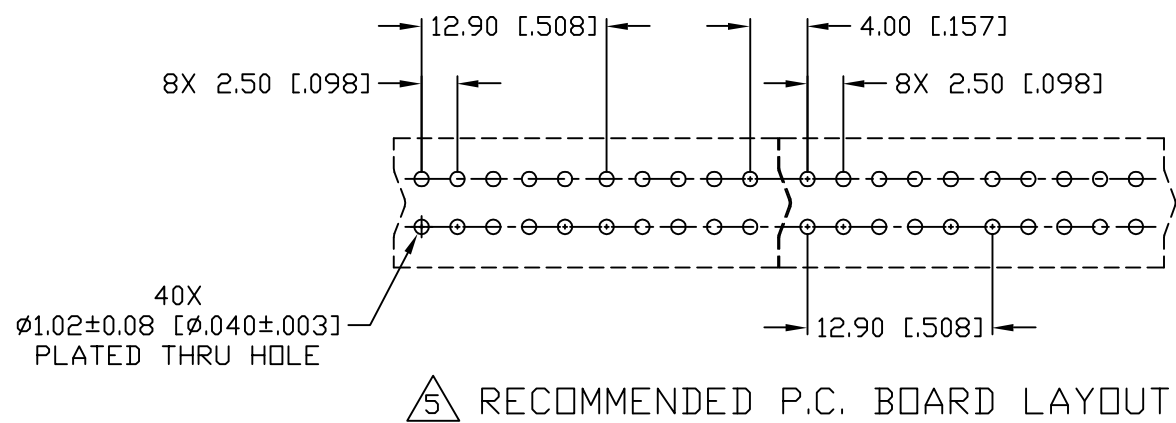
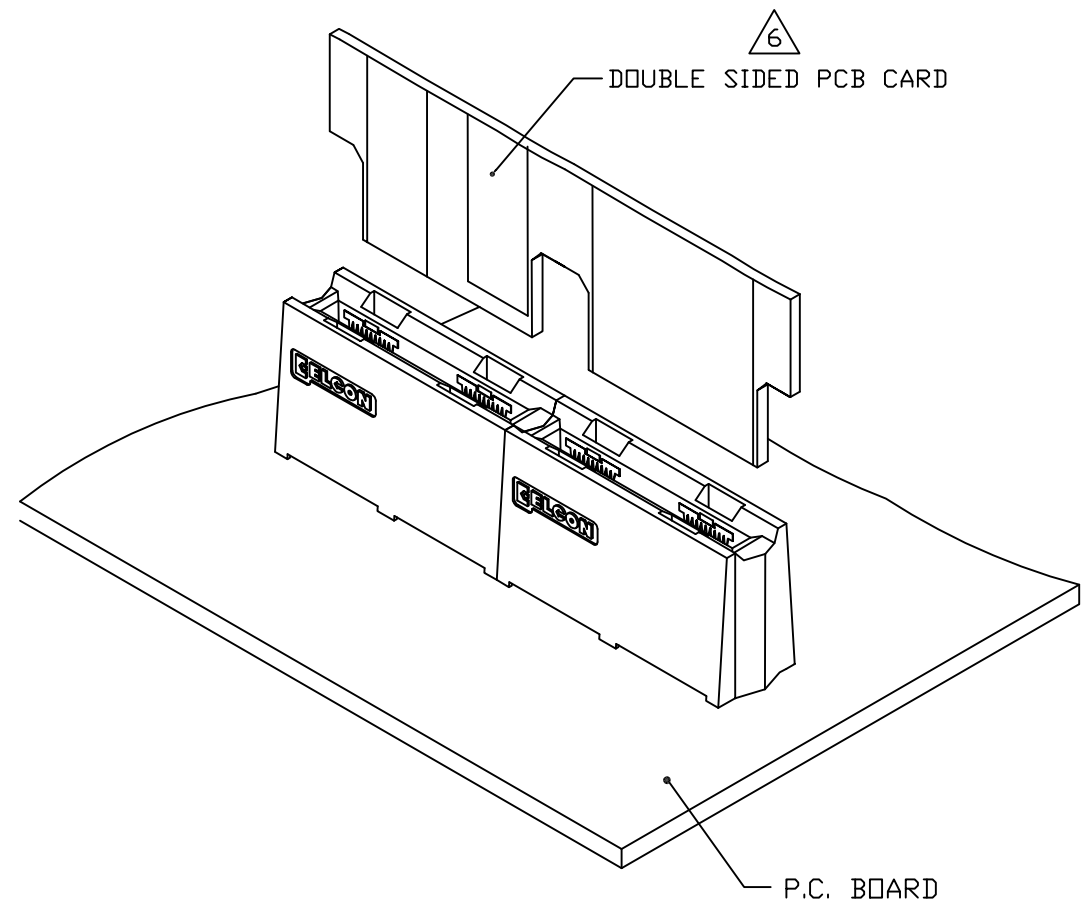
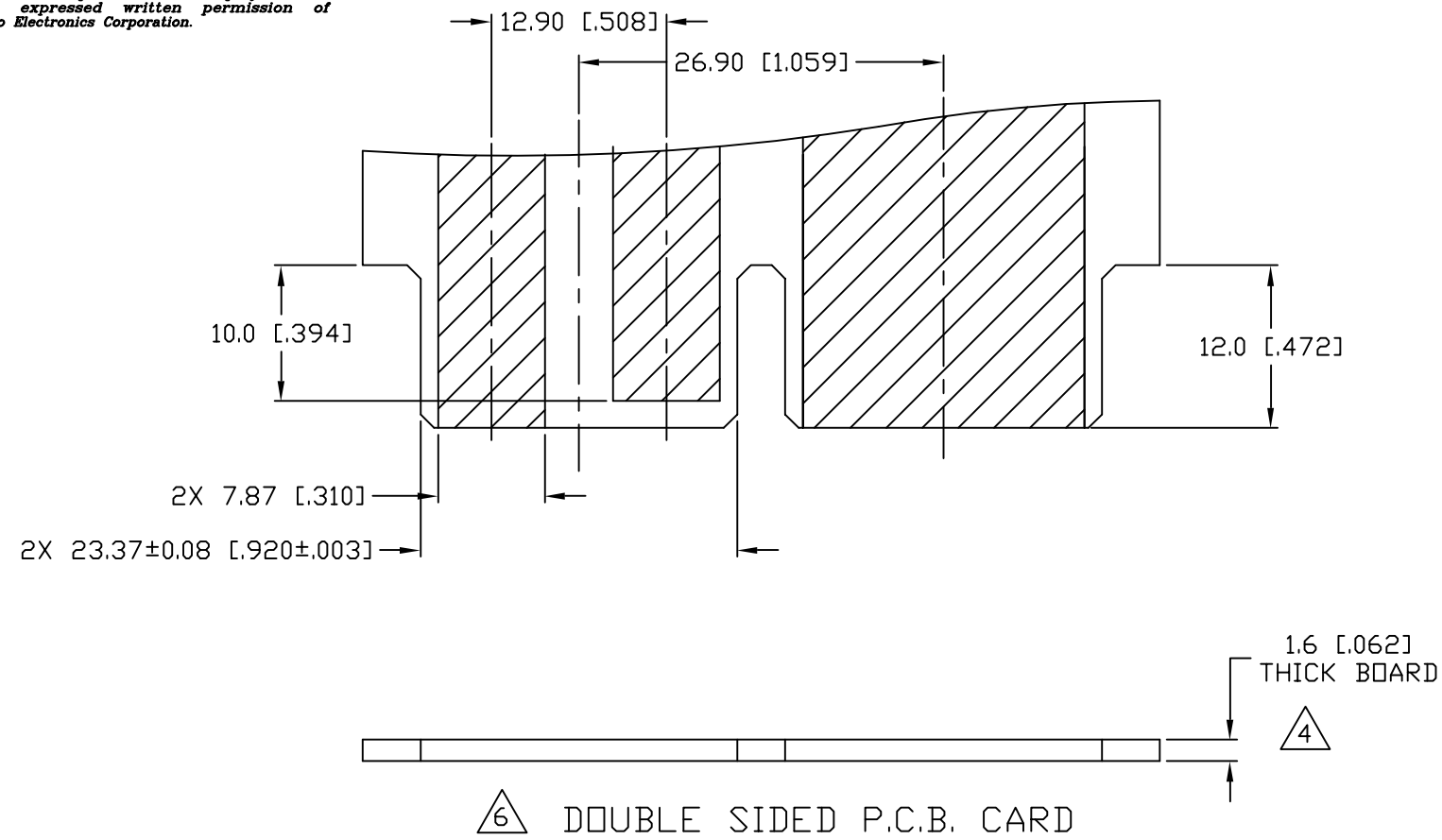
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



<p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</p> <p>TOLERANCES</p> <p>ANGLES ± .5°</p> <p>DECIMALS</p> <p>.XX ± .25 [.010]</p> <p>.X ± .5 [.020]</p>	<p>DRAWN</p> <p>R. F. A.</p>	<p>DATE</p> <p>01/19/05</p>	<p><b>tyco</b> Tyco Electronics Corporation</p> <p><b>Electronics</b> Menlo Park, Ca 94025</p>	<p><b>ELCON</b></p>	
	<p>CHECKED</p>		<p>TITLE</p> <p>SOCKET CONNECTOR, CROWN EDGE STRAIGHT, 2 SEG, 4 POWER, COMPLIANT PN: 285-0102-11300</p>		
	<p>APPROVED</p>		<p>SIZE</p> <p>B</p>	<p>DWG NUMBER</p> <p>C = 6651170</p>	<p>REV.</p> <p>A</p>
	<p>D. CHAU</p> <p>DCA APPROVED</p> <p>M. ALIM</p> <p>ACAD FILE NUMBER</p>	<p>02/11/05</p> <p>03/02/05</p>	<p>C6651170A.DWG</p>		
			<p>DWG SCALE</p> <p>2=1</p>	<p>SH</p> <p>3 OF 5</p>	

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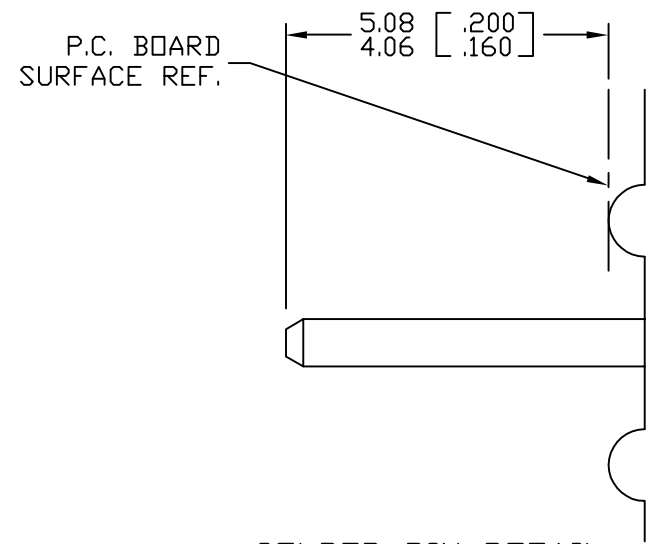
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



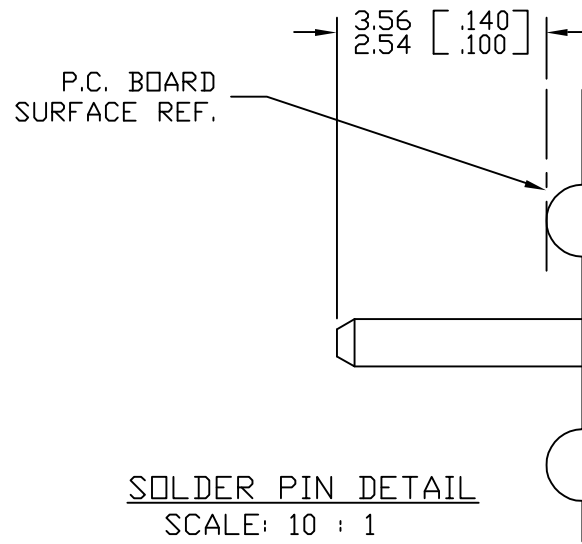
THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [0.010] .X ± .5 [0.020]	DRAWN R. F. A.	DATE 01/19/05	<b>tyco</b> <b>Electronics</b>	Tyco Electronics Corporation Menlo Park, Ca 94025	<b>ELCON</b>
	CHECKED		TITLE		
	APPROVED		USER INFORMATION RECOMMENDED PC BOARD LAYOUT CROWN EDGE		
	APPROVED		D. CHAU 02/11/05	SIZE B	DWG NUMBER C = 6651170
	DCA APPROVED M. ALIM 03/02/05	ACAD FILE NUMBER C6651170A.DWG	DWG SCALE 2=1	SH 4 OF 5	

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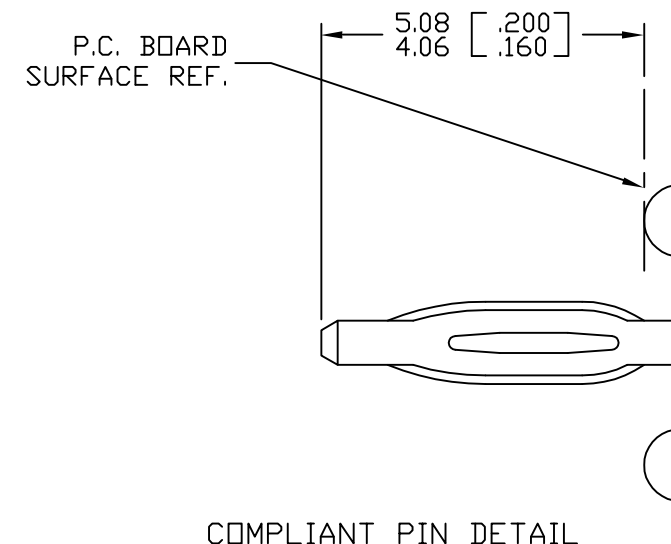
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



SOLDER PIN DETAIL  
SCALE: 10 : 1



SOLDER PIN DETAIL  
SCALE: 10 : 1



COMPLIANT PIN DETAIL  
SCALE: 10 : 1  
INSERTION/EXTRACTION FORCES  
MAXIMUM PUSH IN: 133.3N PER PIN  
[30 LBS]  
MINIMUM PUSH OUT: 44.4N PER PIN  
[10 LBS]

RECOMMENDED PRINTED CIRCUIT HOLE  
SOLDER OR COMPLIANT PRESS FIT  
FINISHED HOLE:  $\phi 1.02$  [.040]  $\pm .08$  [.003]  
DRILLED HOLE:  $\phi 1.15$  [.0453]  $\pm .013$  [.0005]  
COPPER PLATE: .025 [.0010] MINIMUM (PER SURFACE)  
TIN PLATE: .008 [.0003] MINIMUM (PER SURFACE)

<p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</p> <p>TOLERANCES</p> <p>ANGLES <math>\pm .5^\circ</math></p> <p>DECIMALS</p> <p>.XX <math>\pm .25</math> [.010] .X <math>\pm .5</math> [.020]</p>	DRAWN R. F. A.	DATE 01/19/05	Tyco Electronics Corporation Menlo Park, Ca 94025	TITLE USER INFORMATION SOLDER & COMPLIANT TERMINATION CROWN EDGE		
	CHECKED					SIZE B
	APPROVED					
	APPROVED D. CHAU	02/11/05				
	DCA APPROVED M. ALIM	03/02/05				
ACAD FILE NUMBER		C6651170A.DWG	DWG SCALE		2=1 SH 5 OF 5	

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[CE156F22-9-C](#) [CT100F22-2-D](#) [CT100F22-3-D](#) [CT100F24-2-D](#) [CT100F24-3-D](#) [CT100F24-6-C](#)