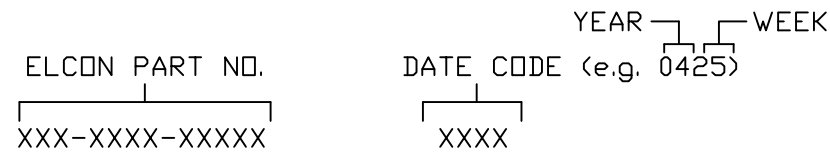


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REVISIONS

EC	REV	DESCRIPTION	DATE
0S1Q-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 [.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;

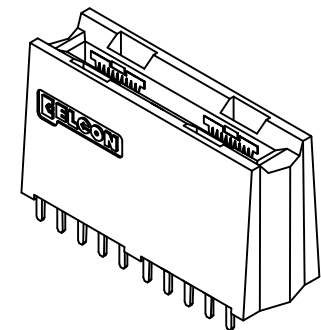
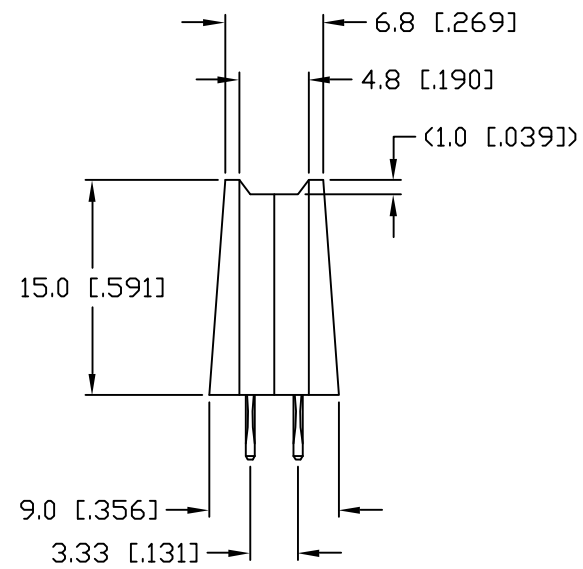
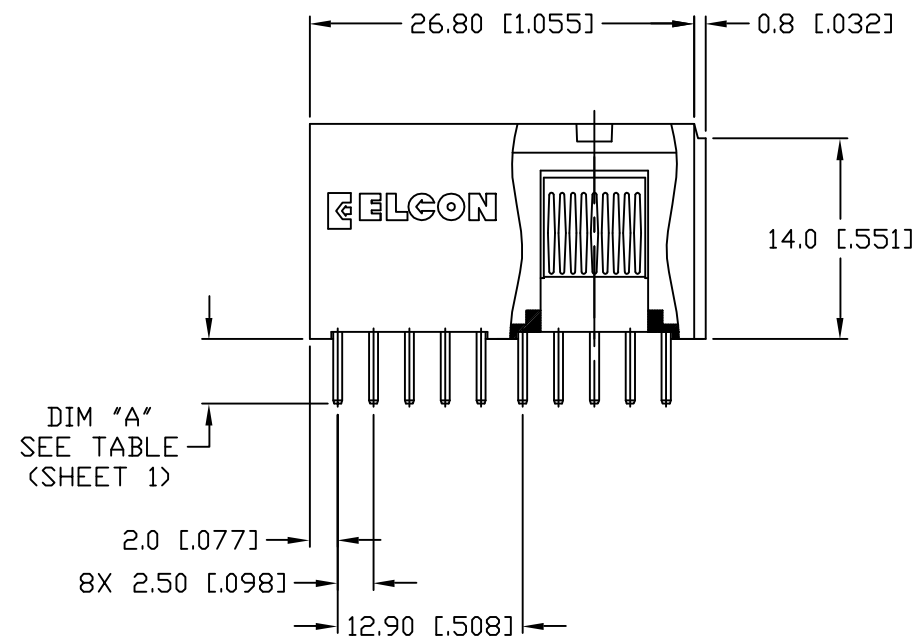
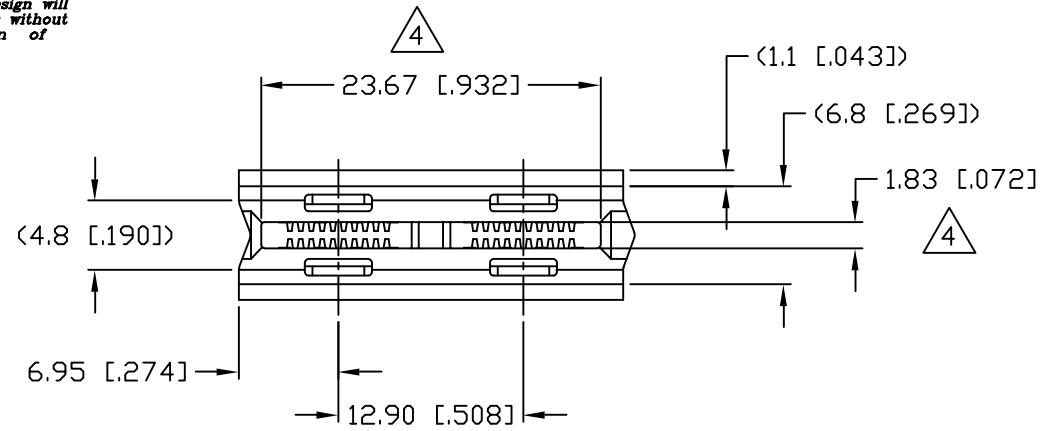
9. PART NUMBER INFORMATION

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 R. F. A.	DATE 01/19/05	Tyco Electronics Corporation Menlo Park, Ca 94025	
	CHECKED			
	APPROVED		TITLE	
	APPROVED D. CHAU	02/11/05	SOCKET CONNECTOR, CROWN EDGE PN: 285-0102-12100/285-0102-12300 PN: 285-0102-11300	
DCA APPROVED M. ALIM	03/02/05	SIZE	DWG NUMBER	REV.
ACAD FILE NUMBER	C6651170A.DWG	B	C = 6651170	A
			DWG SCALE	2=1
			SH 1 OF 5	

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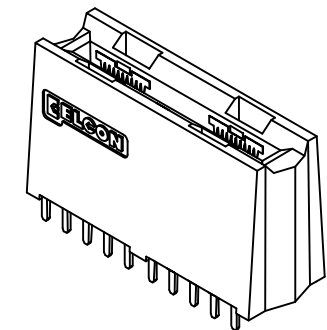
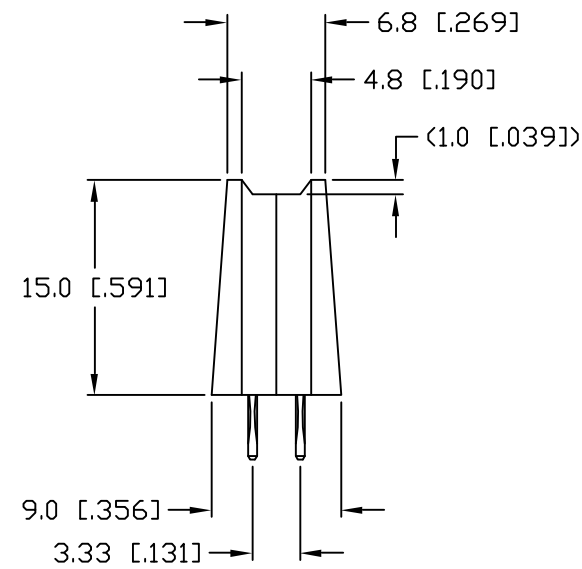
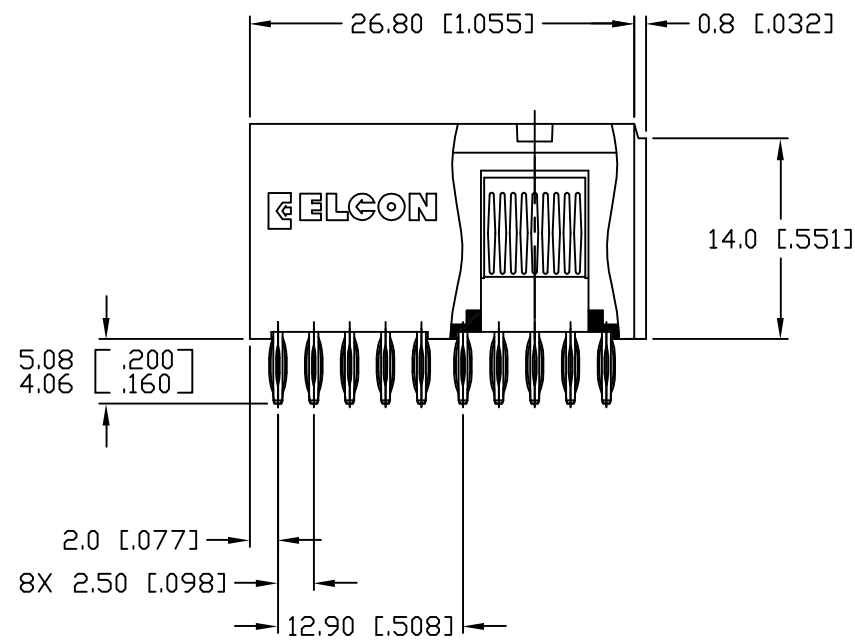
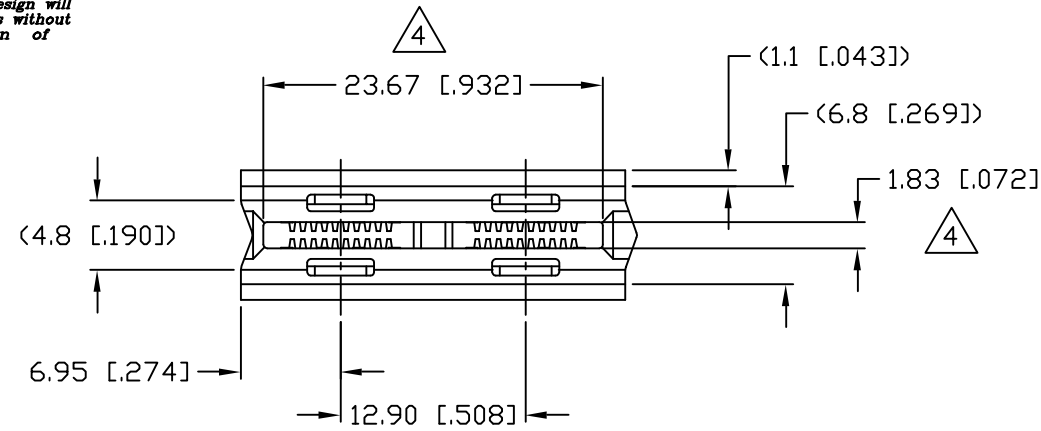
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



← MM OR MM [INCH] 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 	
	CHECKED	APPROVED		TITLE SOCKET CONNECTOR, CROWN EDGE STRAIGHT, 2 SEG, 4 PWR, SOLDER, NHP PN: 285-0102-12100/12300
	APPROVED	APPROVED D. CHAU	02/11/05	SIZE B
	DCA APPROVED M. ALIM	03/02/05	DWG NUMBER C = 6651170	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	



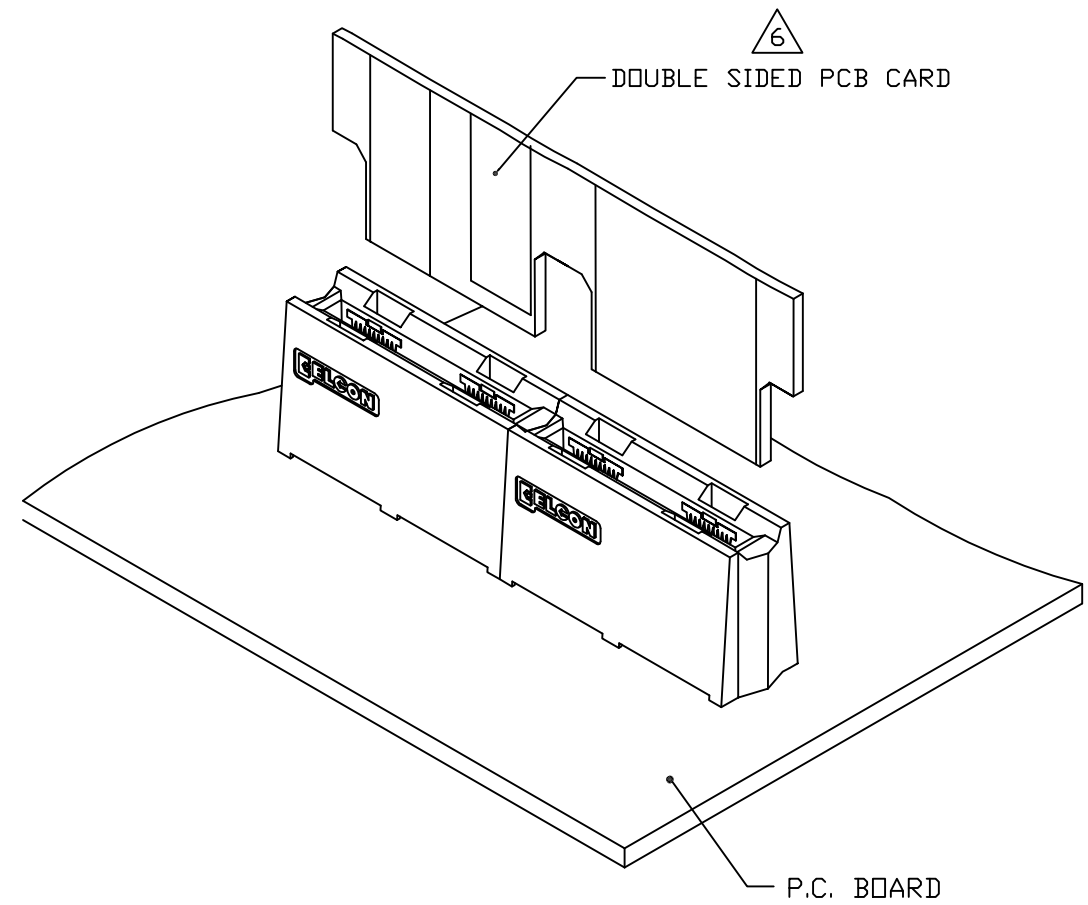
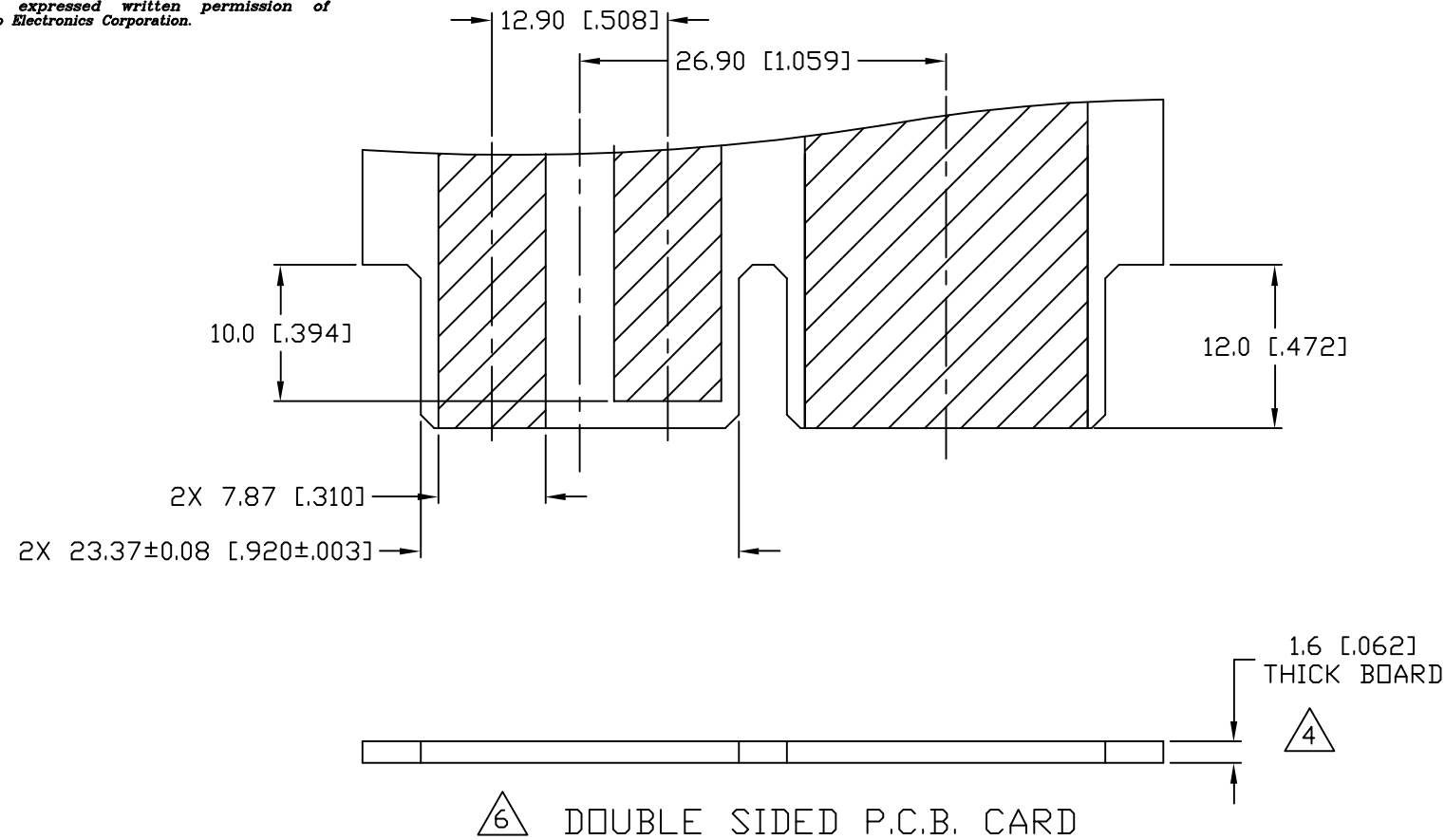
← MM OR MM [INCH] INCH  THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN R. F. A.	DATE 01/19/05	 Tyco Electronics Corporation Menlo Park, Ca 94025 	
	CHECKED			TITLE SOCKET CONNECTOR, CROWN EDGE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

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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

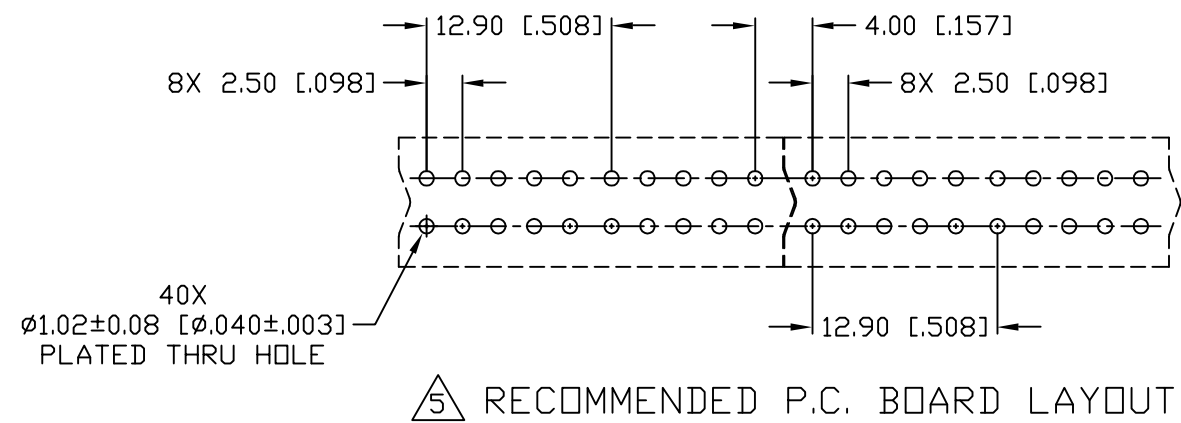
B

B



A

A



← MM OR MM [INCH] INCH  THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	DRAWN R. F. A.	DATE 01/19/05	 Tyco Electronics Corporation Menlo Park, Ca 94025 
	CHECKED		
TOLERANCES	APPROVED		SIZE DWG NUMBER REV. B C = 6651170 A
ANGLES ± .5°	APPROVED D. CHAU	02/11/05	
DECIMALS	DCA APPROVED M. ALIM	03/02/05	
.XX ± .25 [.010] .X ± .5 [.020]	ACAD FILE NUMBER	C6651170A.DWG	DWG SCALE 2=1 SH 4 OF 5

4

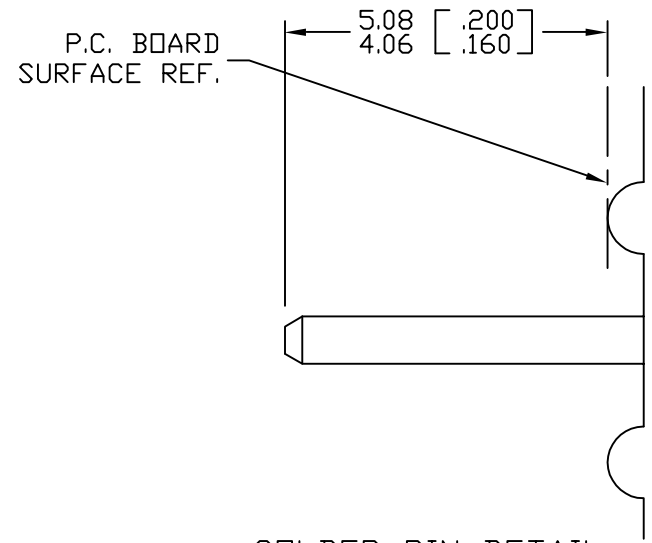
3

2

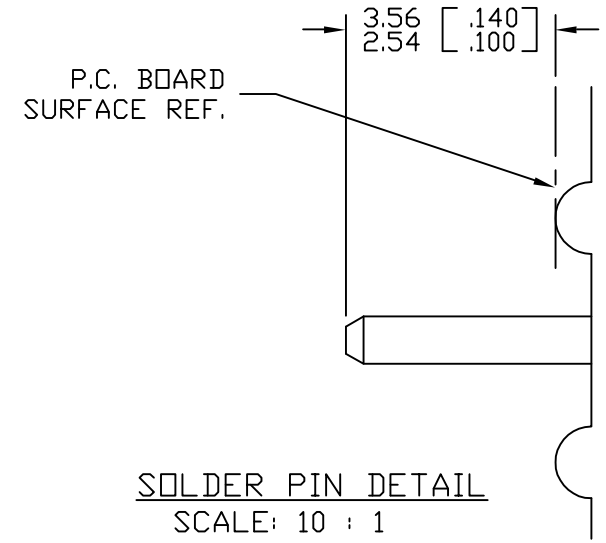
1

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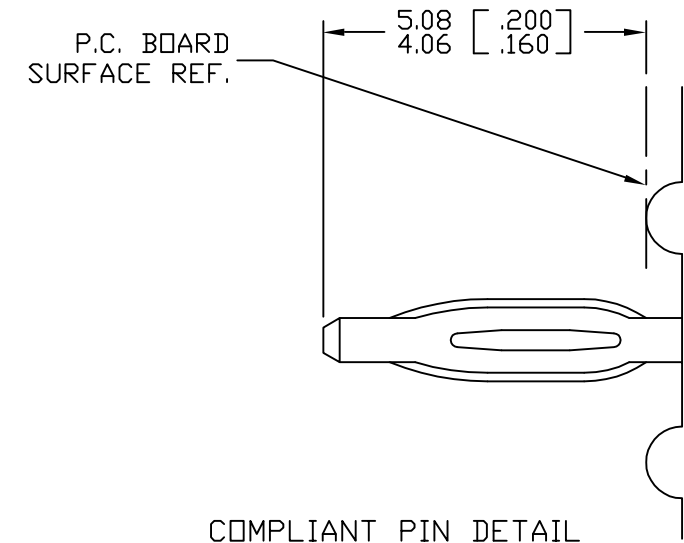
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



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)

 THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES $\pm .5^\circ$ DECIMALS .XX $\pm .25$ [.010] .X $\pm .5$ [.020]	DRAWN R. F. A.	DATE 01/19/05	 Tyco Electronics Corporation Menlo Park, Ca 94025 	
	CHECKED			TITLE
	APPROVED			USER INFORMATION SOLDER & COMPLIANT TERMINATION CROWN EDGE
	APPROVED D. CHAU	02/11/05	SIZE B	
DCA APPROVED M. ALIM	03/02/05	DWG NUMBER C = 6651170	REV. A	
ACAD FILE NUMBER C6651170A.DWG			DWG SCALE 2=1 SH 5 OF 5	