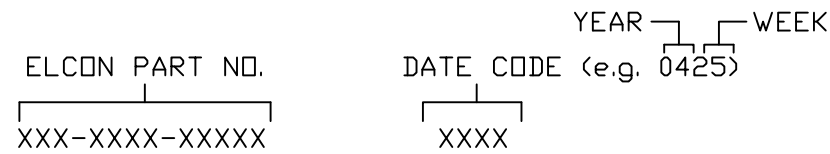


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REVISIONS

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 FIXTURE: FIX00001 FOR COMPLIANT APPLICATION IS AVAILABLE. PLEASE CONSULT FACTORY.

6. EXAMPLE PCB CONFIGURATION.

5. THIS CONFIGURATION WITH 3 SEGMENT POWER CONNECTOR IS SHOWN 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;

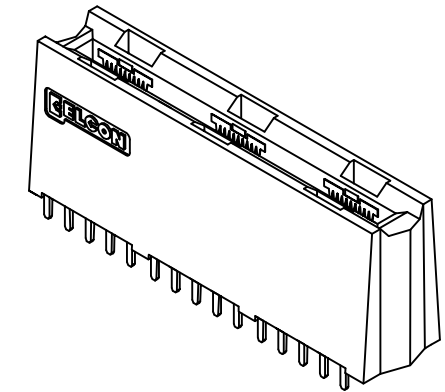
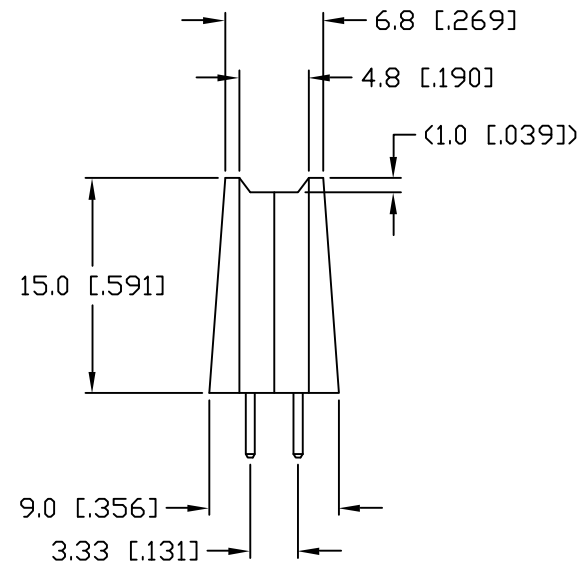
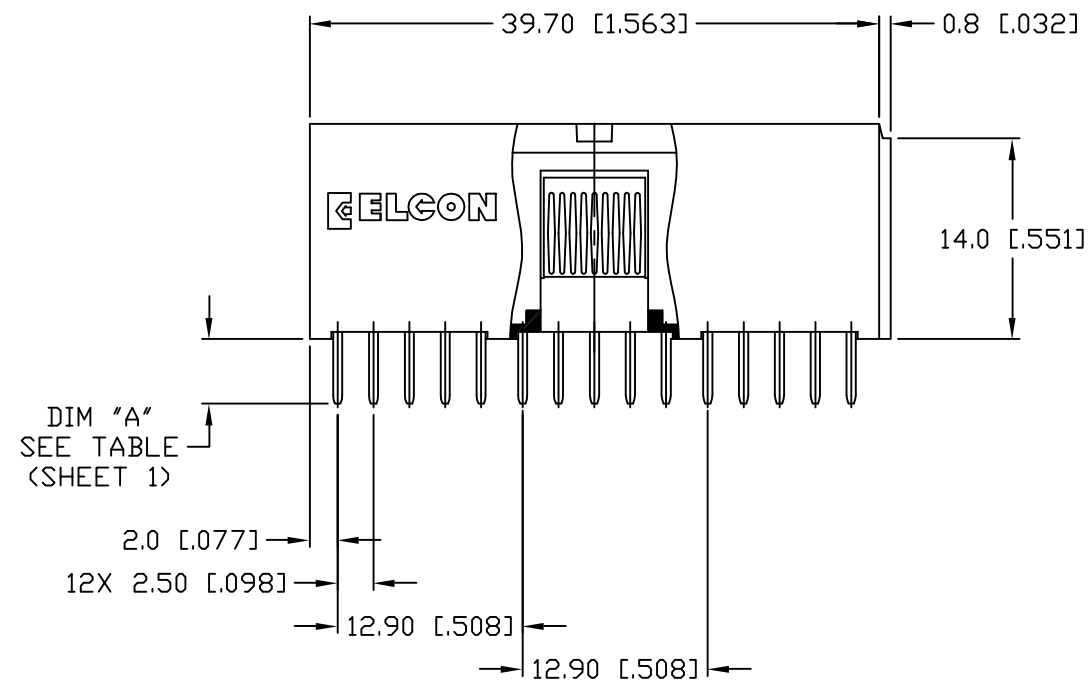
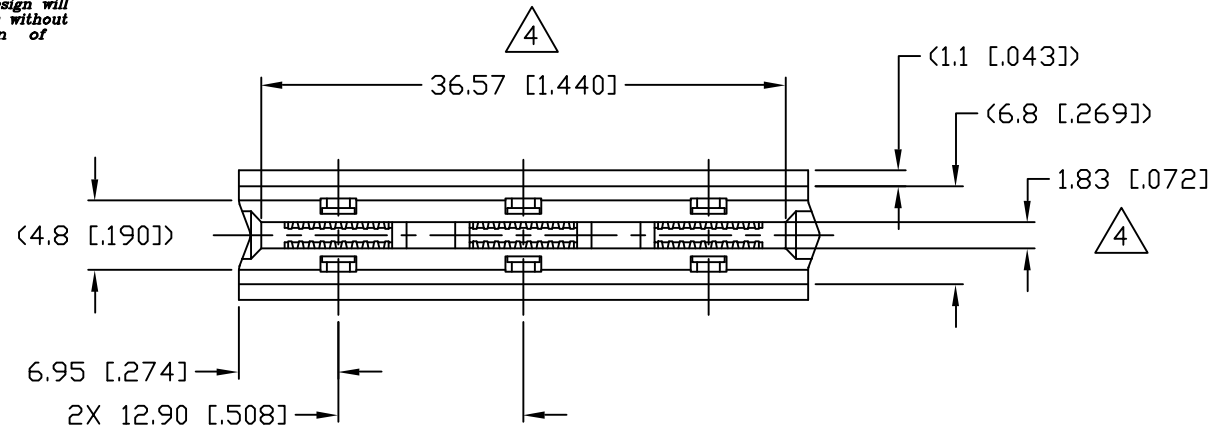
9. PART NUMBER INFORMATION

CONNECTOR	REFERENCE TYCO PN	ELCON PART NUMBER	TERMINATION TYPE	PC TAIL LENGTH DIM "A"	RECOMMENDED MOUNTING BOARD	MATING BOARD
SOCKET	6650383-3	284-0102-12100	SOLDER TAIL (SHORT)	3.56 [.140] 2.54 [.100]	1.6 [.062] THICK	1.6 [.062] THICK
SOCKET	6650383-2	284-0102-12300	SOLDER TAIL (STANDARD)	5.08 [.200] 4.06 [.160]	3.2 [.125] OR THINNER	1.6 [.062] THICK
SOCKET	6650383-1	284-0102-11300	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>	<p>← MM OR MM [INCH]</p> <p>INCH</p>	<p>DRAWN</p> <p>M.C. CANT</p>	<p>DATE</p> <p>01/19/05</p>	<p>tyco Tyco Electronics Corporation ELCON Menlo Park, Ca 94025</p>		
	<p>CHECKED</p>		<p>TITLE</p> <p>SOCKET CONNECTOR, CROWN EDGE PN: 284-0102-12100/284-0102-12300 PN: 284-0102-11300</p>			
	<p>APPROVED</p>		<p>APPROVED</p> <p>D. CHAU</p> <p>02/11/05</p>	<p>SIZE</p> <p>B</p>	<p>DWG NUMBER</p> <p>C = 6650383</p>	<p>REV.</p> <p>A</p>
	<p>APPROVED</p> <p>M. ALIM</p> <p>03/02/05</p>	<p>ACAD FILE NUMBER</p> <p>C6650383A.DWG</p>	<p>DWG SCALE</p> <p>2=1</p>	<p>SH</p> <p>1 OF 5</p>		

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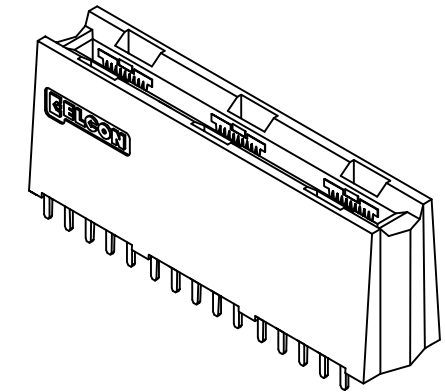
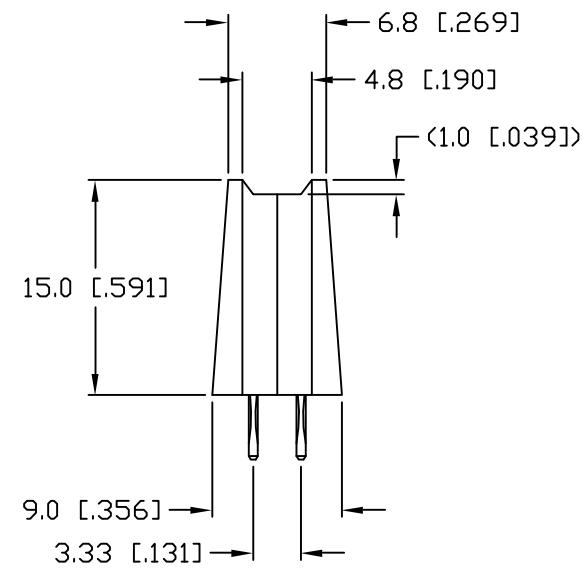
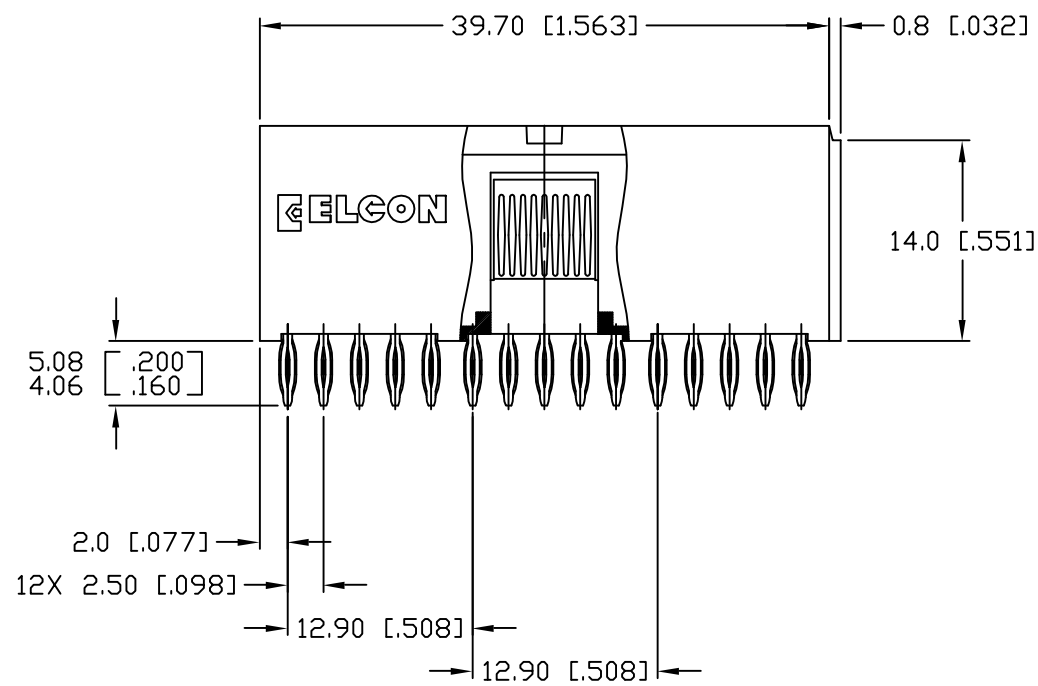
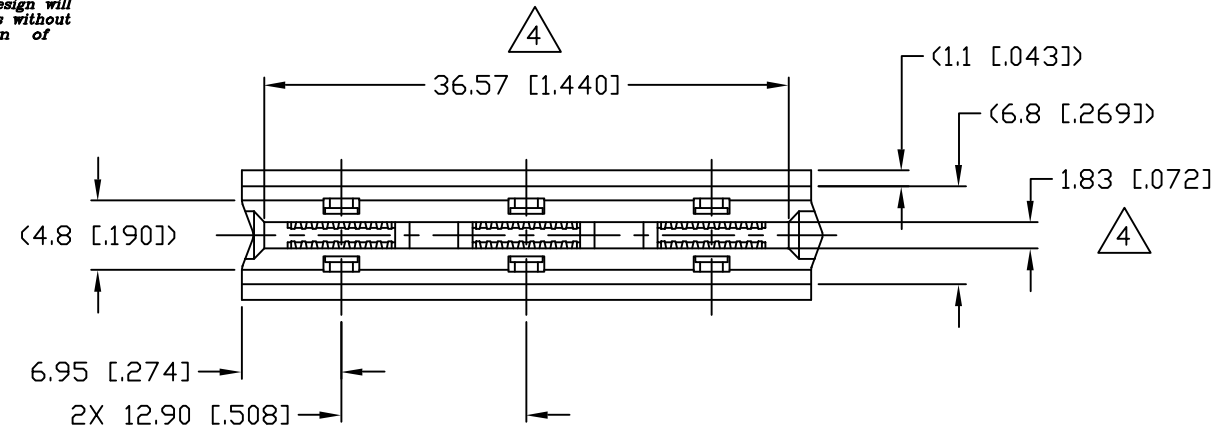
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



← MM 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 M.C. CANT	DATE 01/19/05	tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025 ELCON	
	CHECKED			TITLE SOCKET CONNECTOR, CROWN EDGE STRAIGHT, 3 SEG, 6 PWR, SOLDER, NHP PN: 284-0102-12100/284-0102-12300
	APPROVED		SIZE B	DWG NUMBER C = 6650383
	APPROVED D. CHAU DCA APPROVED M. ALIM	02/11/05 03/02/05	REV. A	
ACAD FILE NUMBER C6650383A.DWG		DWG SCALE 2=1 SH 2 OF 5		

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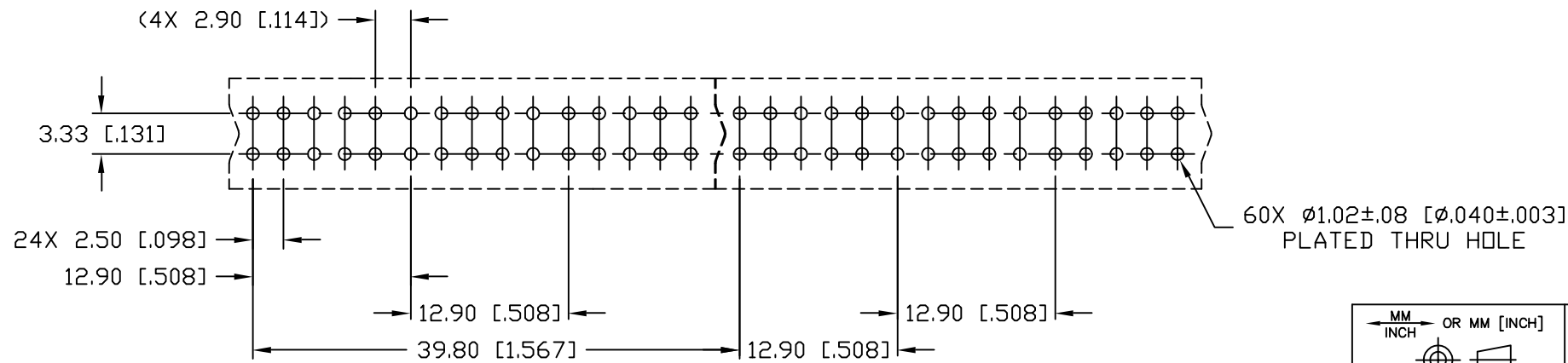
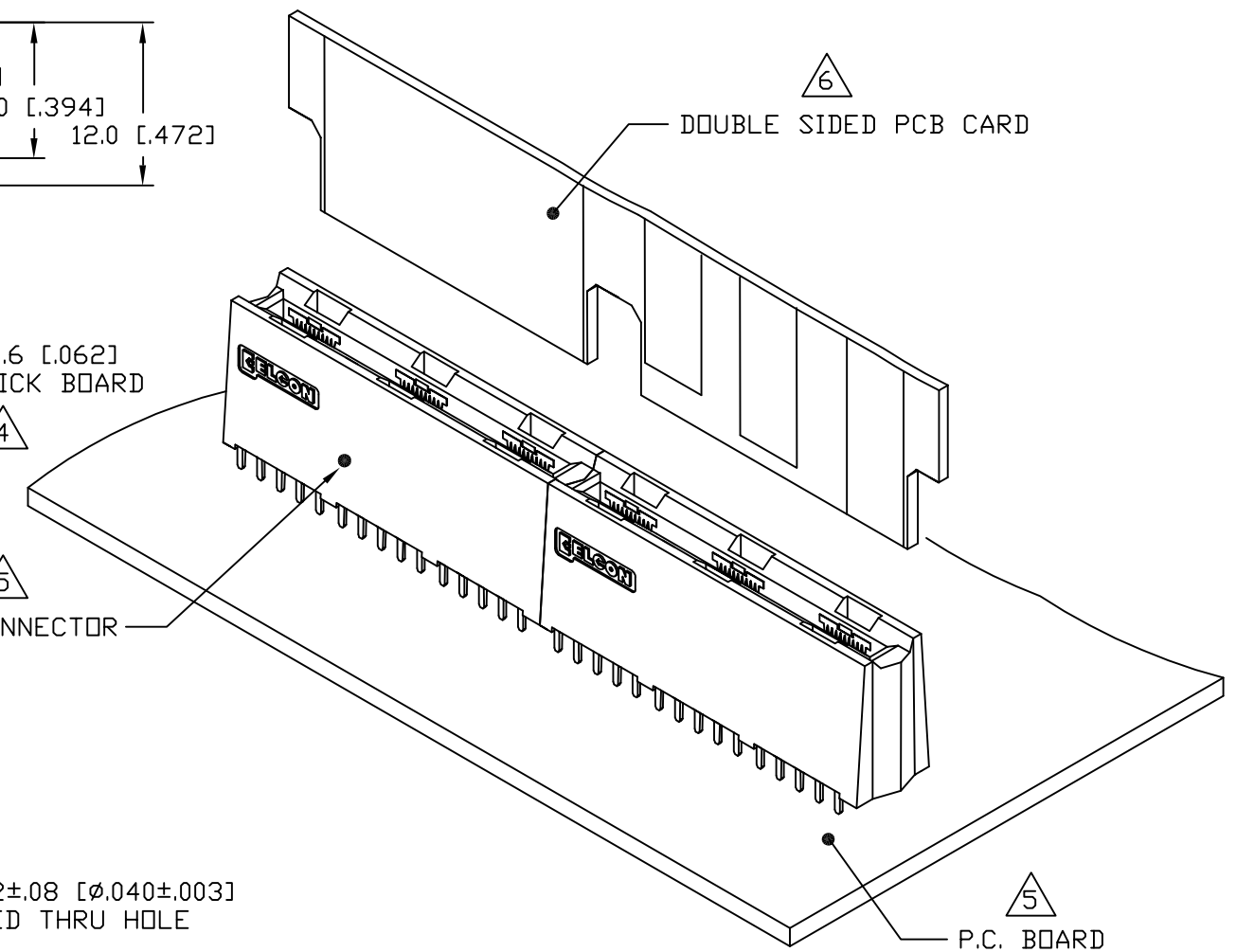
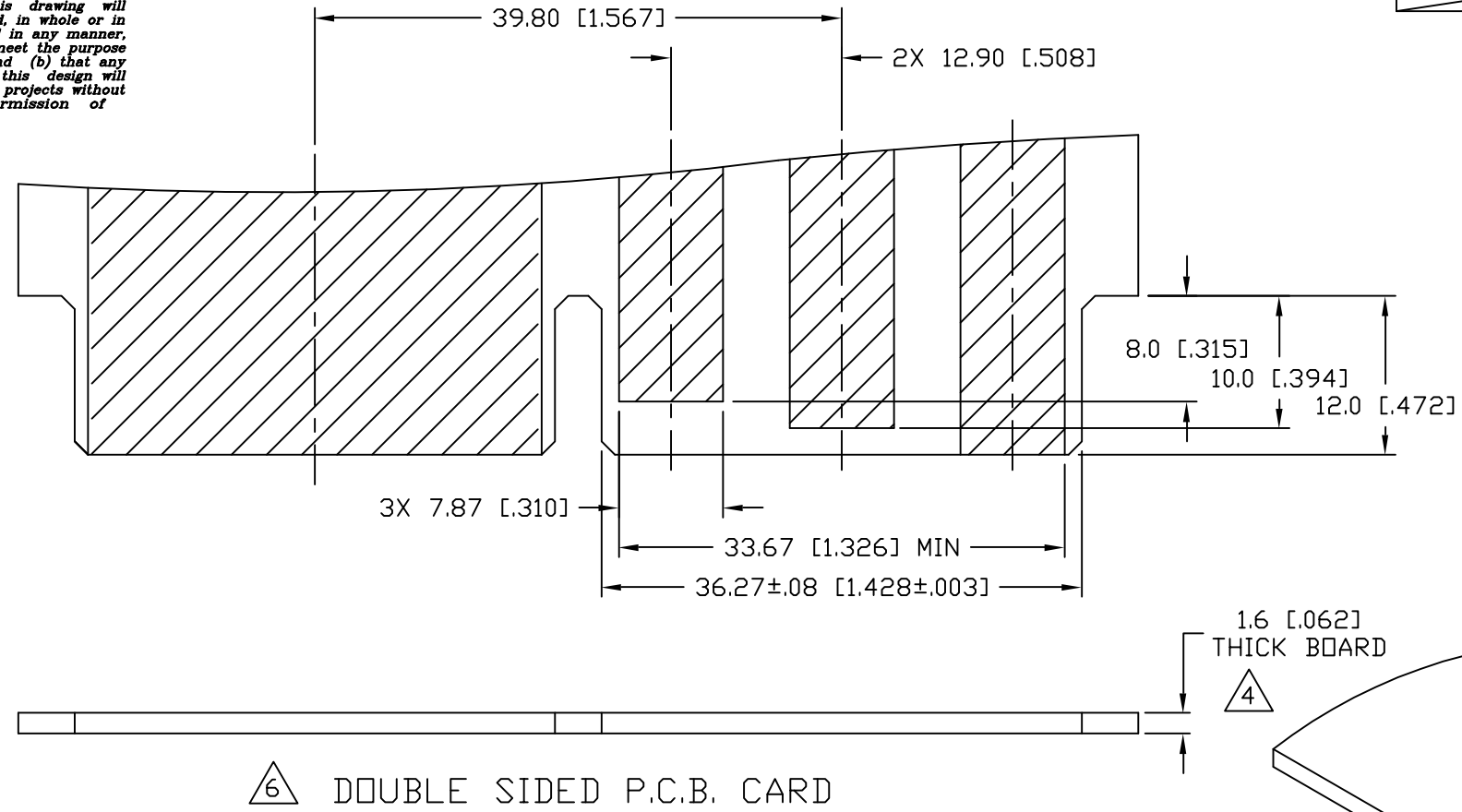
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



← 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 M.C. CANT	DATE 01/19/05	 Tyco Electronics Corporation Menlo Park, Ca 94025 	
	CHECKED			TITLE SOCKET CONNECTOR, CROWN EDGE STRAIGHT, 3 SEG, 6 PWR, COMPLIANT PN: 284-0102-11300
	APPROVED		APPROVED	SIZE B
	D. CHAU	02/11/05	M. ALIM	DWG NUMBER C = 6650383
	ACAD FILE NUMBER C6650383A.DWG		REV. A	
			DWG SCALE 2=1 SH 3 OF 5	

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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

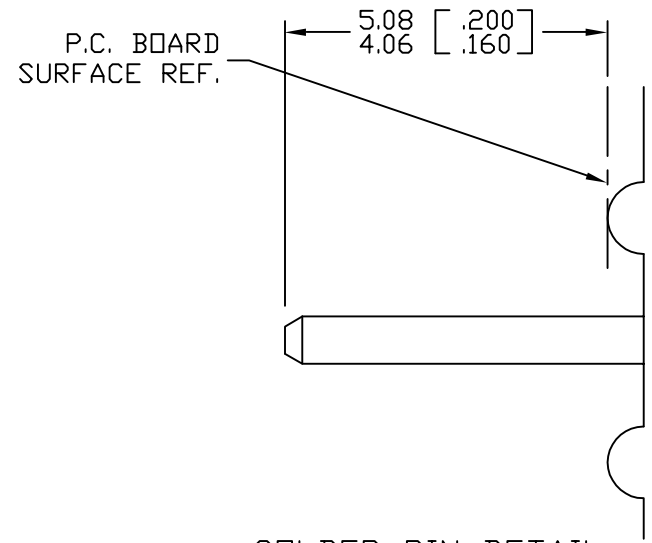


5 RECOMMENDED P.C. BOARD LAYOUT

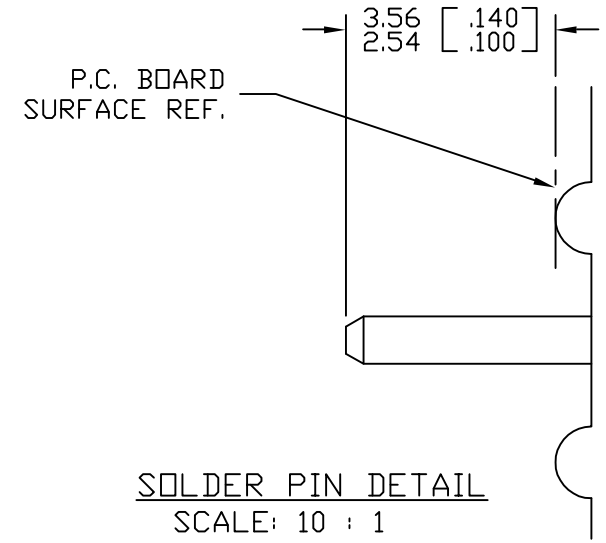
MM INCH THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN M.C. CANT CHECKED	DATE 01/19/05	 Tyco Electronics Corporation Menlo Park, Ca 94025
	APPROVED D. CHAU APPROVED M. ALIM	DATE 02/11/05 03/02/05	
	ACAD FILE NUMBER C6650383A.DWG	DWG NUMBER B C = 6650383	REV. A
		DWG SCALE 2=1	SH 4 OF 5

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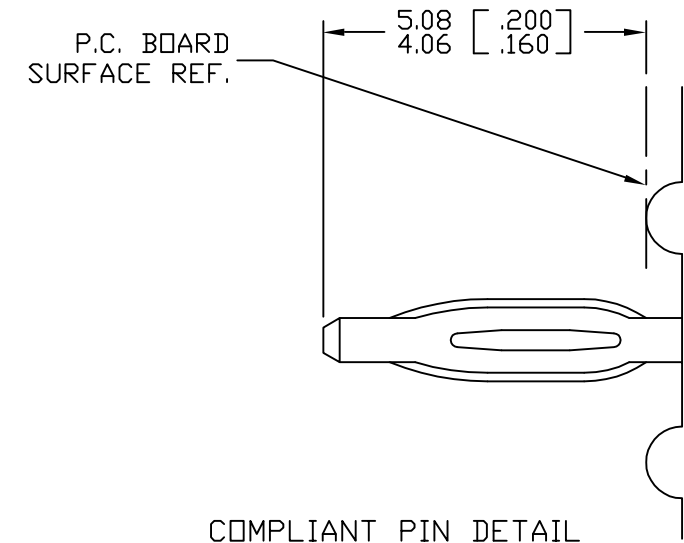
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



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 $\pm .5^\circ$</p> <p>DECIMALS</p> <p>.XX $\pm .25$ [.010] .X $\pm .5$ [.020]</p>	DRAWN M.C. CANT	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 = 6650383	REV. A	
ACAD FILE NUMBER C6650383A.DWG		DWG SCALE 2=1	SH 5 OF 5	