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EC		REV	DESCRIPTION			DATE	
CPR		A	NEW RELEASE			09/28/05	

NOTES: UNLESS OTHERWISE SPECIFIED.

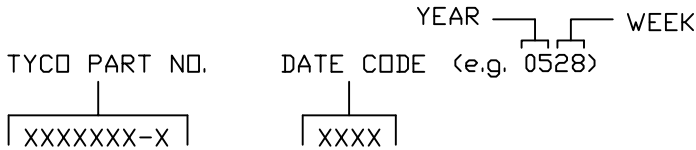
1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
2. MATERIALS:

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

POWER CONTACTS: COPPER ALLOY.
3. FINISHES:

CONTACT PLATING: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0, .000030" MIN. THICKNESS OVER NICKEL, PER QQ-N-290,

TERMINALS: TIN PLATED, MATTE FINISH .000100" MIN. THICKNESS.
4. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER.



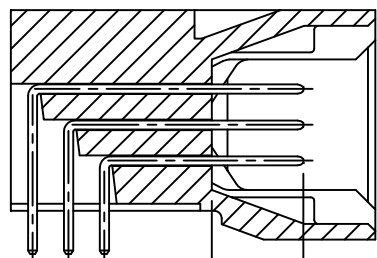
5. CONNECTOR INFORMATION

CONNECTOR	TYCO PART NUMBER	CONFIGURATION REF #	CONTACT	POSITION	CONTACT PITCH	VOLTAGE RATING*
PIN	6643858-1	MPK013	SIGNAL	10-33	2.50 [.098]	60 VOLTS
			POWER	9, 34-36	6.50 [.256]	125 VOLTS
			POWER	1-8	4.50 [.177]	COMMON

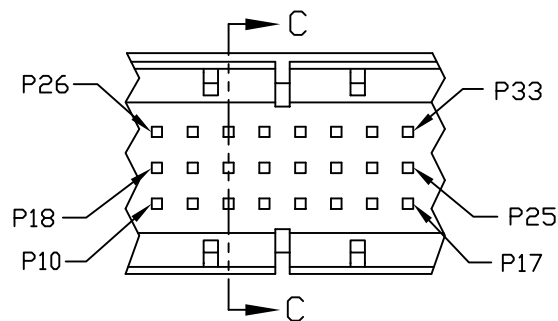
*IAW UL 60950

<div>← MM INCH → 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 09/28/05	<div> Tyco Electronics Corporation Menlo Park, Ca 94025</div> <div></div> <div>TITLE</div> <div>CONNECTOR, PIN, RIGHT ANGLE SHORT SOLDER TAILS, MINIPAK PN 6643858-1</div>		
	CHECKED				
	APPROVED				
	APPROVED D. CHAU	09/28/05	SIZE B	DWG NUMBER C = 6643858	REV. A
	M. ALIM	09/29/05			
ACAD FILE NUMBER C6643858A.DWG		DWG SCALE 1=1		SH 1 OF 3	

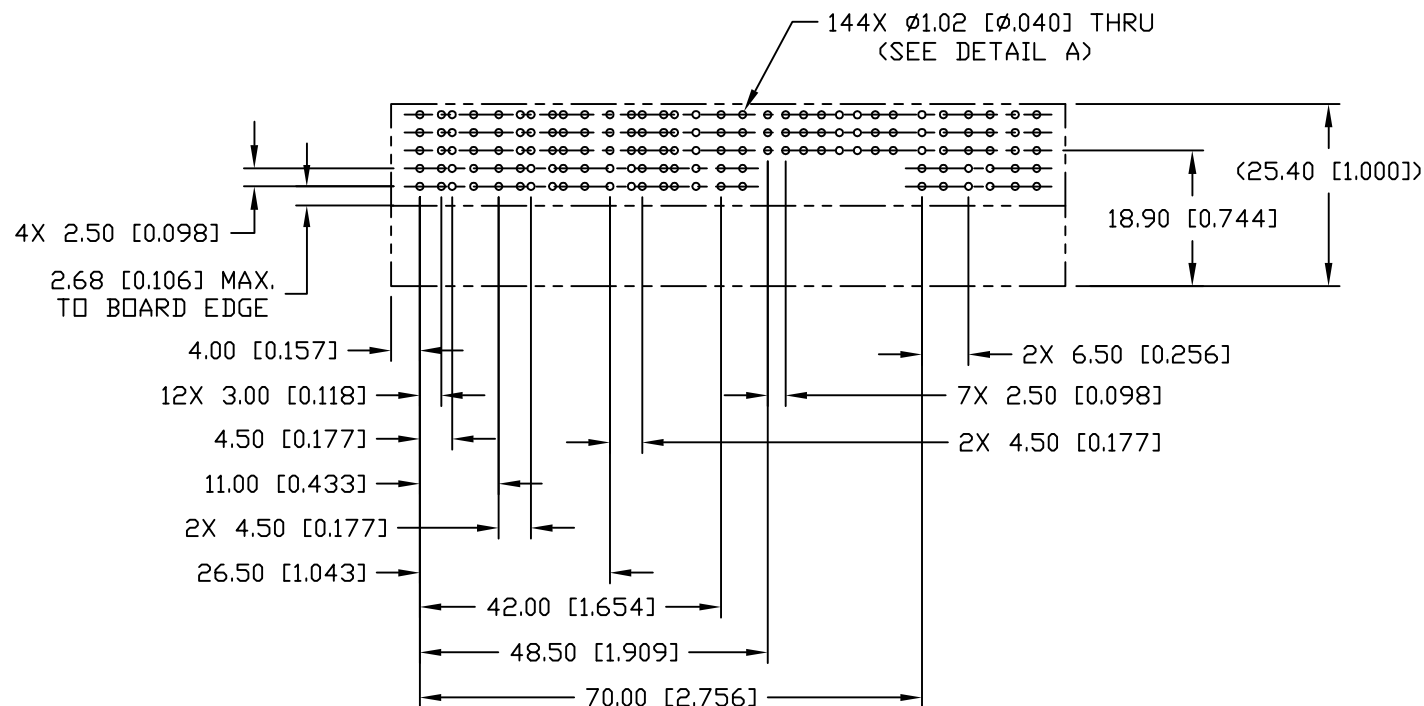
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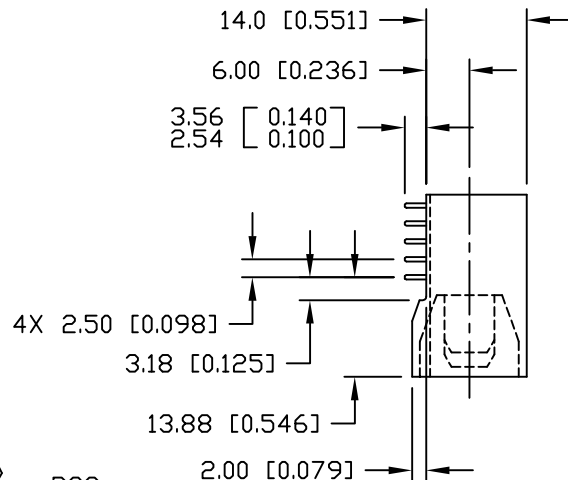
SECTION C-C



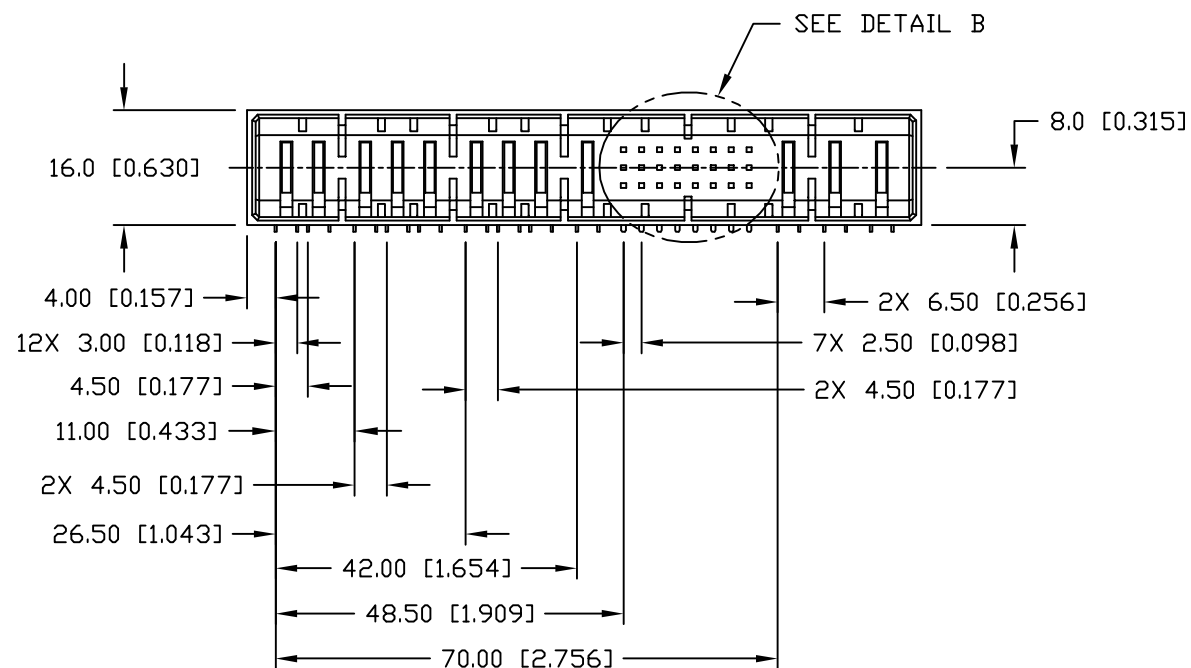
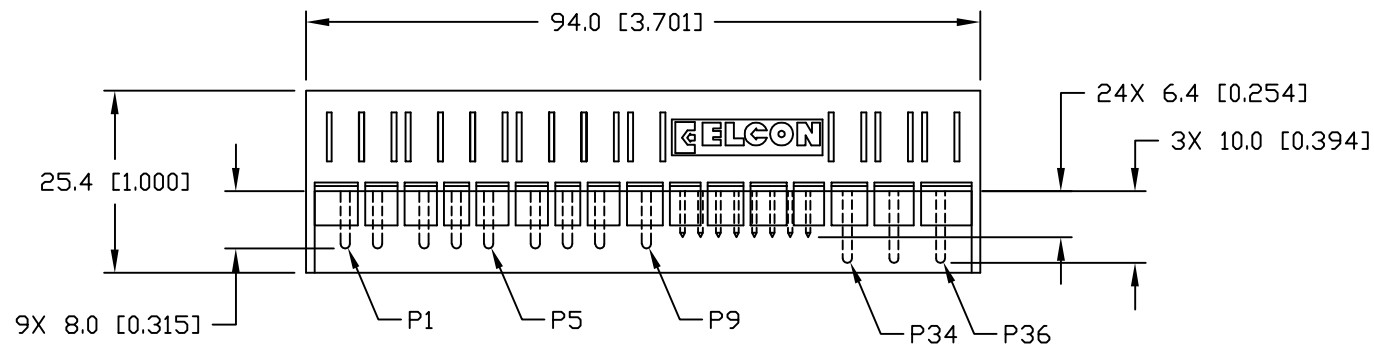
DETAIL B



RECOMMENDED PC LAYOUT



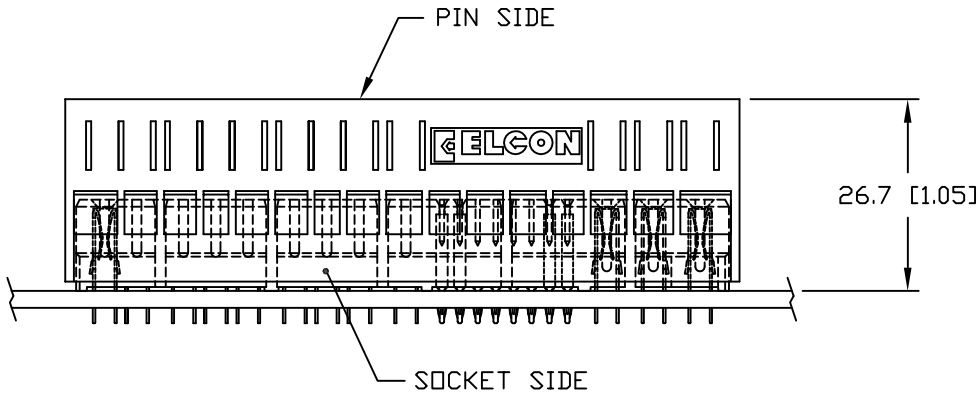
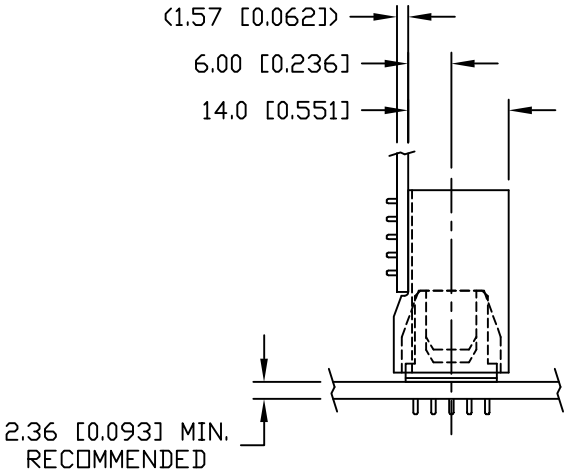
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



<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 $\pm .5^\circ$</div> <div>DECIMALS</div> <div>.XX $\pm .25$ [0.010]</div> <div>.X $\pm .5$ [0.020]</div>	DRAWN R. F. A.	DATE 09/28/05	<div> Tyco Electronics Corporation Menlo Park, Ca 94025</div> <div></div>		TITLE CONNECTOR, PIN, RIGHT ANGLE SHORT SOLDER TAILS, MINIPAK PN 6643858-1	
	CHECKED					
	APPROVED		SIZE B		DWG NUMBER C = 6643858	
	APPROVED D. CHAU	09/28/05	REV. A		DWG SCALE 1=1	
DCA APPROVED M. ALIM		09/29/05	ACAD FILE NUMBER C6643858A.DWG		SH 2 OF 3	

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		SEE SHEET 1	



MATED CONDITION

DETAIL A

COMPLIANT TERMINATION AREA

RECOMMENDED PRINTED CIRCUIT HOLE
FOR COMPLIANT PRESS FIT

FINISHED HOLE: $\varnothing 1.02$ [0.040] ± 0.08 [0.003]

DRILLED HOLE: $\varnothing 1.15$ [0.0453] ± 0.013 [0.0005]

COPPER PLATE: .025 [0.0010] MINIMUM (PER SURFACE)

TIN PLATE: .008 [0.0003] MINIMUM (PER SURFACE)

<div><div>MM INCH</div><div>OR MM [INCH]</div><div></div><div>THIRD ANGLE PROJECTION</div></div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</div> <div>TOLERANCES</div> <div>ANGLES ± .5°</div> <div>DECIMALS</div> <div>.XX ± .25 [0.010]</div> <div>.X ± .5 [0.020]</div>	DRAWN R. F. A.	DATE 09/28/05	<div><div><div>tyco</div><div>Electronics</div></div><div>Tyco Electronics Corporation Menlo Park, Ca 94025</div><div>ELCON</div></div>			
	CHECKED		TITLE USER INFORMATION AND MATED CONDITION PN 6643858-1			
	APPROVED					
	APPROVED D. CHAU	09/28/05				
	DCA APPROVED M. ALIM	09/29/05	SIZE B	DWG NUMBER C = 6643858		REV. A
ACAD FILE NUMBER C6643858A.DWG			DWG SCALE 1=1		SH 3 OF 3	