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

NOTES: UNLESS OTHERWISE SPECIFIED.

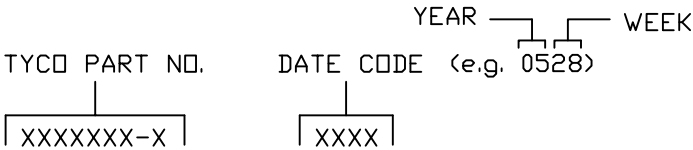
1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
2. MATERIALS:

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.



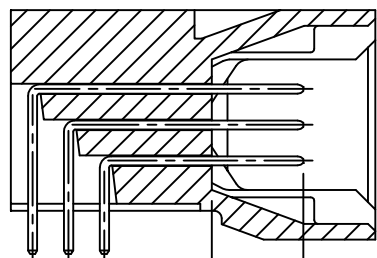
5. CONNECTOR INFORMATION

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

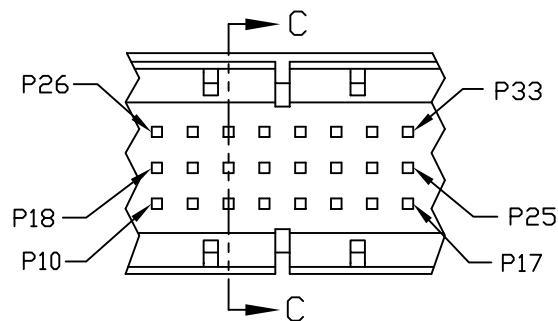
\*IAW UL 60950

<div><div>← MM OR MM [INCH]</div><div>↔ 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></div>	DRAWN R. F. A.	DATE 09/28/05	<div><div></div><div>Tyco Electronics Corporation Menlo Park, Ca 94025</div><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
	DCA APPROVED M. ALIM	09/29/05			
ACAD FILE NUMBER C6643858A.DWG		DWG SCALE 1=1		SH 1 OF 3	

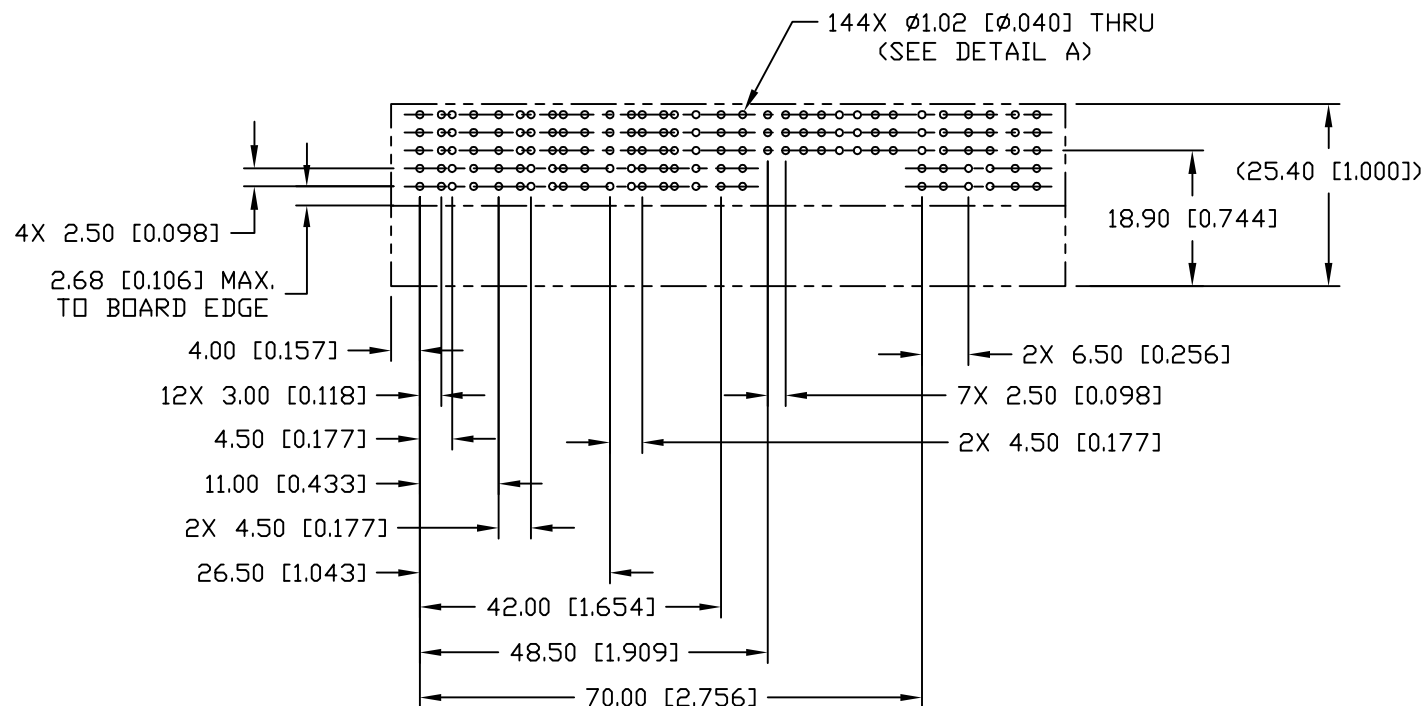
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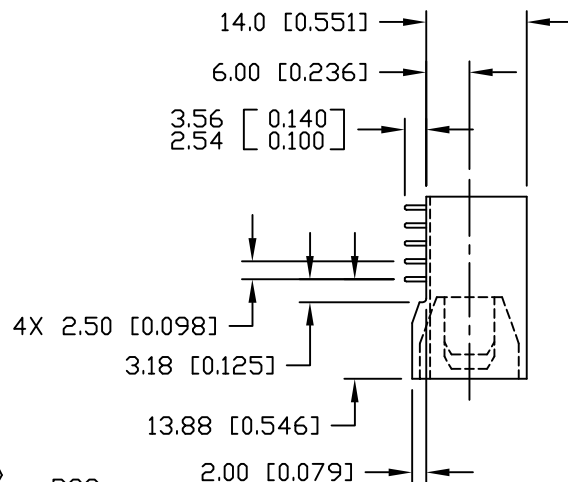
SECTION C-C



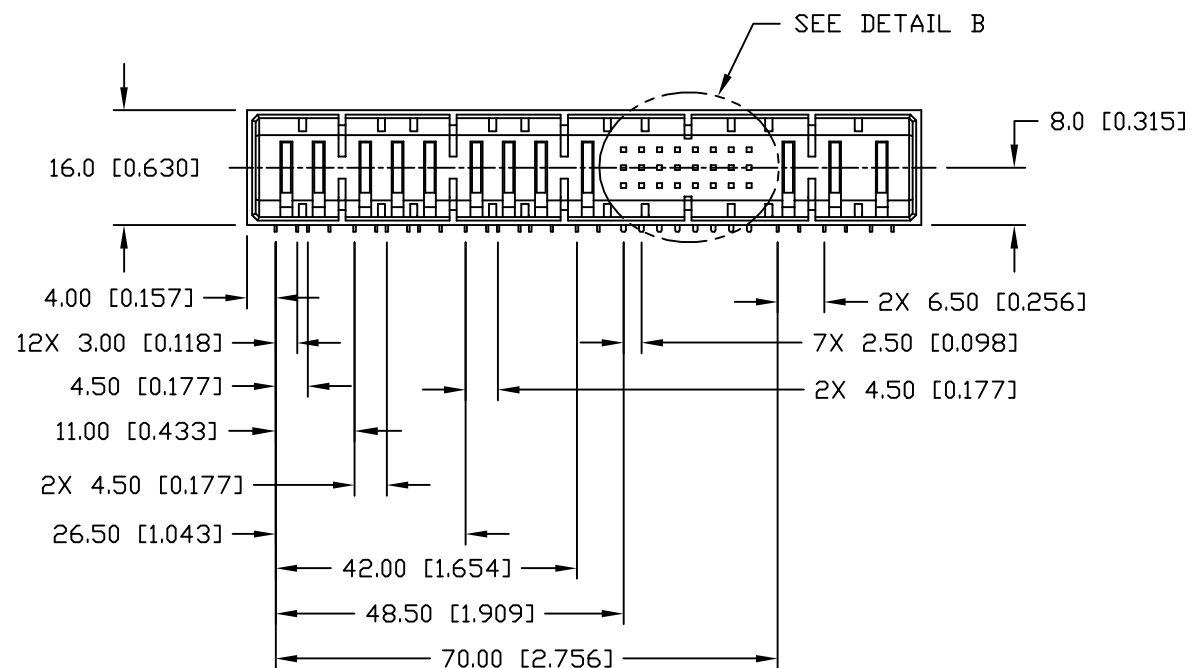
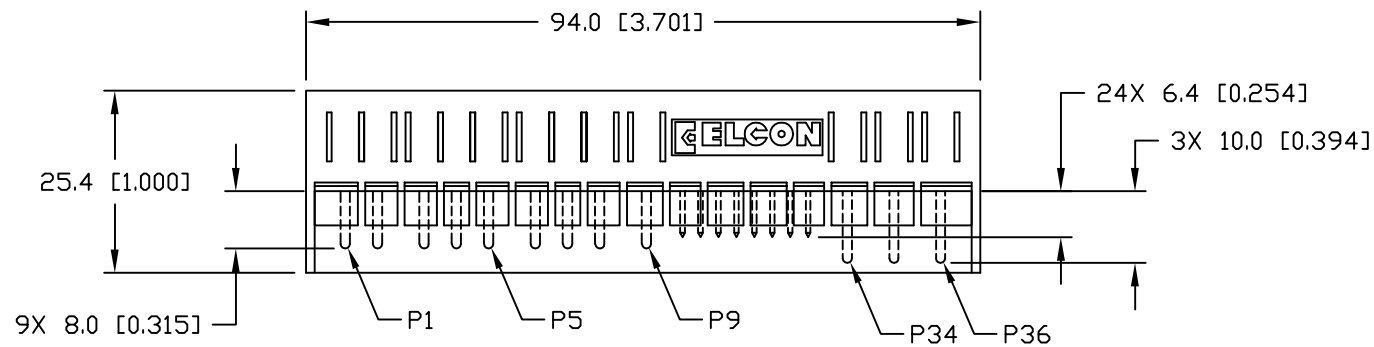
DETAIL B



RECOMMENDED PC LAYOUT



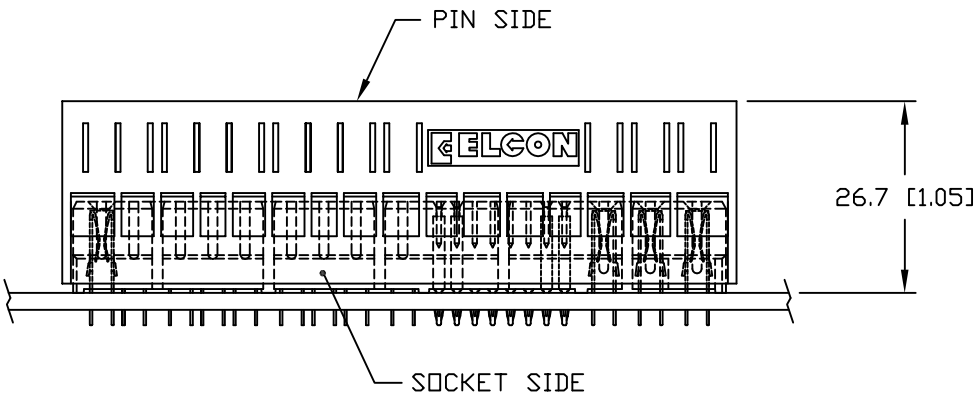
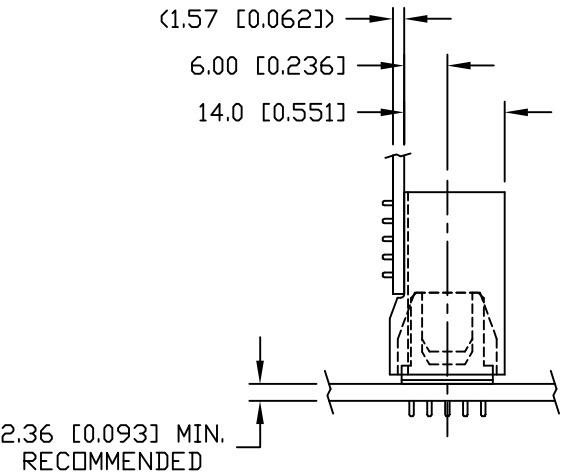
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



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

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REVISIONS			
EC	REV	DESCRIPTION	DATE
		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]  $\pm 0.08$  [0.003]

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

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

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

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

# Mouser Electronics

Authorized Distributor

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