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REVISIONS			
EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	07/28/05

5. CONNECTOR INFORMATION

CONNECTOR	TYCO PART NUMBER	CONFIGURATION REF #	CONTACT	POSITION	CONTACT PITCH	VOLTAGE RATING*
SOCKET	1766694-1	MPK018	SIGNAL	3-26	2.50 [.098]	60 VOLTS
			POWER	1-2	6.00 [.236]	60 VOLTS
			POWER	27-29	7.50 [.295]	250 VOLTS

*IAW UL 60950

NOTES: UNLESS OTHERWISE SPECIFIED,

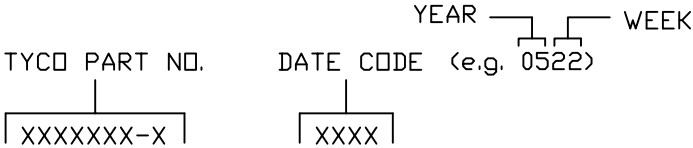
1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
2. MATERIALS:

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

POWER CONTACTS: COPPER ALLOY.
3. FINISHES:

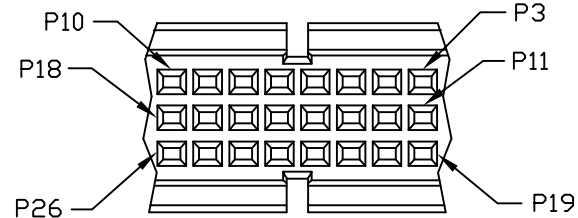
CONTACT PLATING: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0, .000030" MIN. THICKNESS OVER NICKEL, PER QQ-N-290,

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

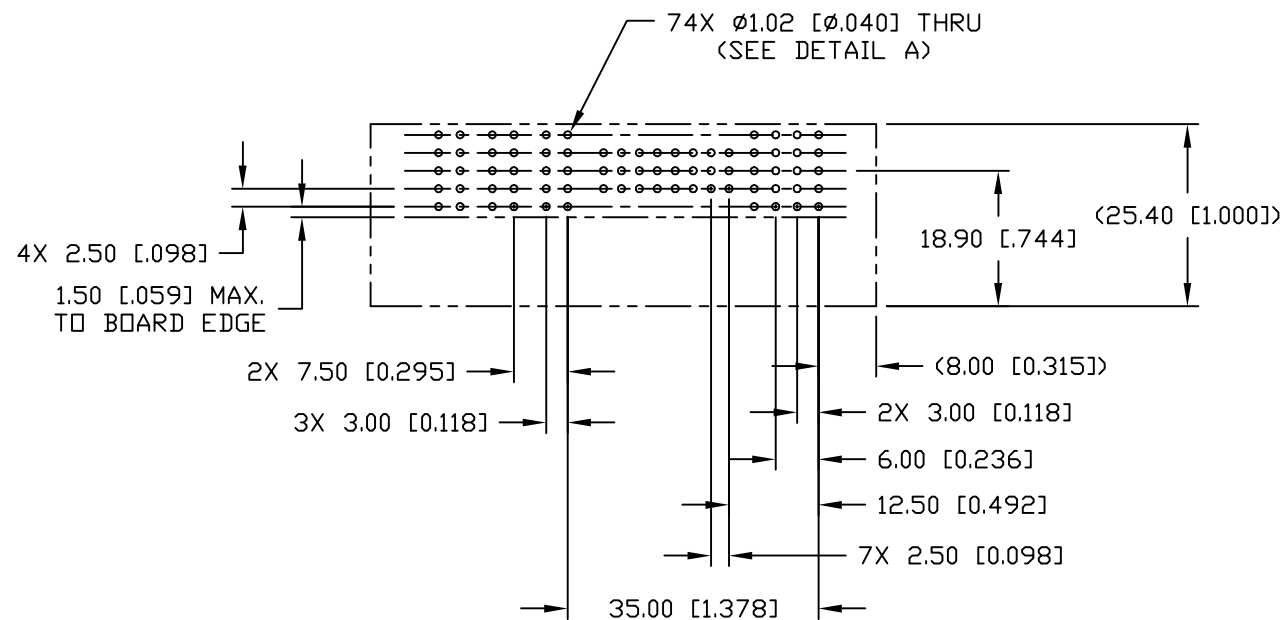
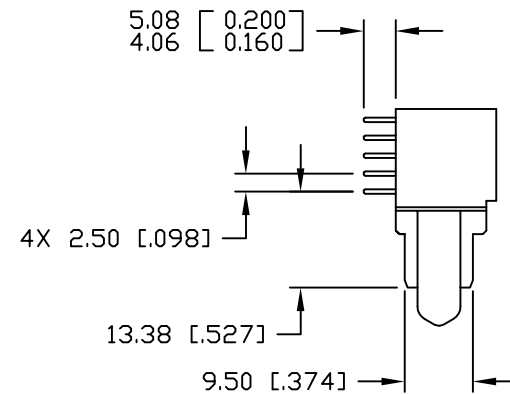


← MM INCH → OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN	R. F. A.	DATE	06/22/05	Tyco Electronics Corporation Menlo Park, Ca 94025 TITLE CONNECTOR, SOCKET, RIGHT ANGLE STANDARD SOLDER TAILS, MINIPAK PN 1766694-1			
	CHECKED							
	APPROVED							
	APPROVED			SIZE	DWG NUMBER	REV.		
	D. CHAU	07/28/05	B	C = 1766694	A			
M. ALIM	07/28/05	ACAD FILE NUMBER			C1766694A.DWG	DWG SCALE	1 = 1	SH 1 OF 3

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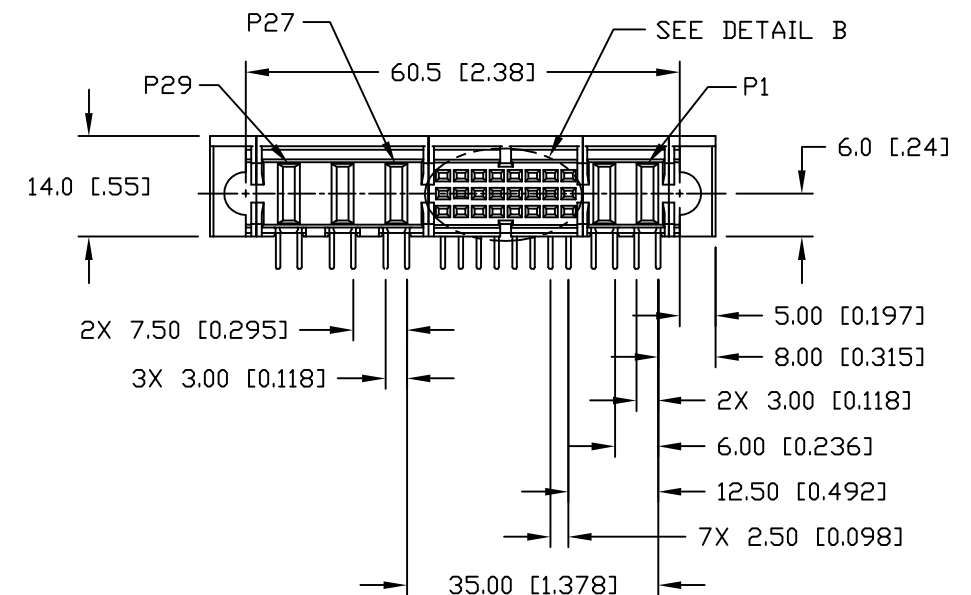
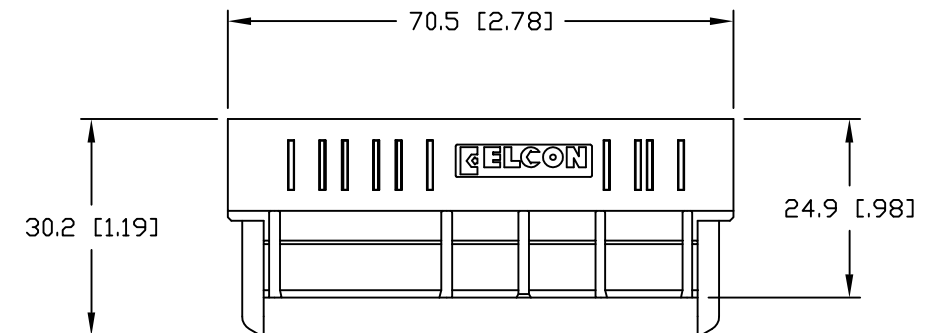


DETAIL B



RECOMMENDED PC LAYOUT

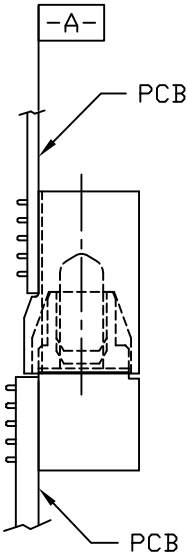
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



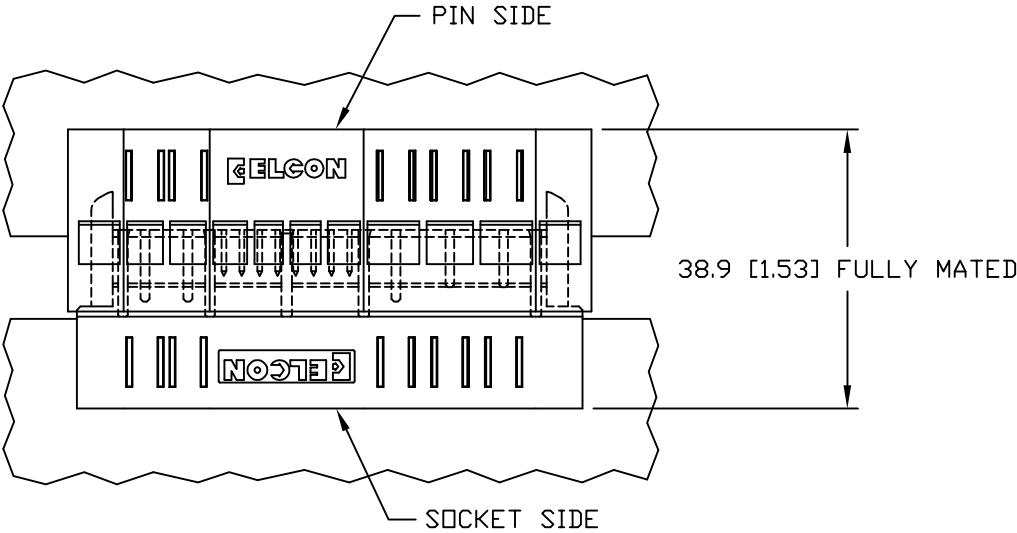
← MM INCH OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN R. F. A.	DATE 06/22/05	tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025 ELCON	
	CHECKED		TITLE CONNECTOR, SOCKET, RIGHT ANGLE STANDARD SOLDER TAILS, MINIPAK PN 1766694-1	
	APPROVED		SIZE B	DWG NUMBER C = 1766694
	APPROVED D. CHAU DCA APPROVED M. ALIM	07/28/05 07/28/05	REV. A	
ACAD FILE NUMBER C1766694A.DWG			DWG SCALE 1=1	SH 2 OF 3

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EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



NOTE: PRINTED CIRCUIT BOARDS
ARE AT THE SAME DATUM A.



MATED CONDITION

DETAIL A

COMPLIANT TERMINATION AREA

RECOMMENDED PRINTED CIRCUIT HOLE
FOR COMPLIANT PRESS FIT

FINISHED HOLE: $\varnothing 1.02$ [.040] $\pm .08$ [.003]

DRILLED HOLE: $\varnothing 1.15$ [.0453] $\pm .013$ [.0005]

COPPER PLATE: .025 [.0010] MINIMUM (PER SURFACE)

TIN PLATE: .008 [.0003] MINIMUM (PER SURFACE)

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 06/22/05	tyco Electronics Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON		
	CHECKED		TITLE USER INFORMATION AND MATED CONDITION PN 1766694-1		
	APPROVED				
	APPROVED D. CHAU	07/28/05			
	DCA APPROVED M. ALIM	07/28/05	SIZE B	DWG NUMBER C = 1766694	REV. A
ACAD FILE NUMBER C1766694A.DWG		DWG SCALE 1 = 1		SH 3 OF 3	

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[1766694-1](#)