

This drawing involves proprietary design rights of Tyco Electronics Corporation, and all design, manufacture, reproduction, use and sale rights regarding the same are expressly reserved. It is submitted for a specific purpose and the recipient by accepting this drawing, assumes custody and control and agrees to take reasonable precautions; (a) that this drawing will not be copied and reproduced, in whole or in part, or its contents revealed in any manner, or to any person except to meet the purpose for which it was delivered and (b) that any special features peculiar to this design will not be incorporated in other projects without the expressed written permission of Tyco Electronics Corporation.

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.

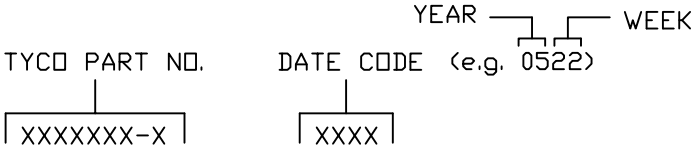
1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
2. MATERIALS:

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

POWER CONTACTS: COPPER ALLOY.
3. FINISHES:

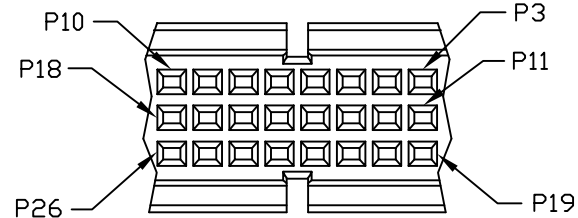
CONTACT PLATING: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0, .000030" MIN. THICKNESS OVER NICKEL, PER QQ-N-290,

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

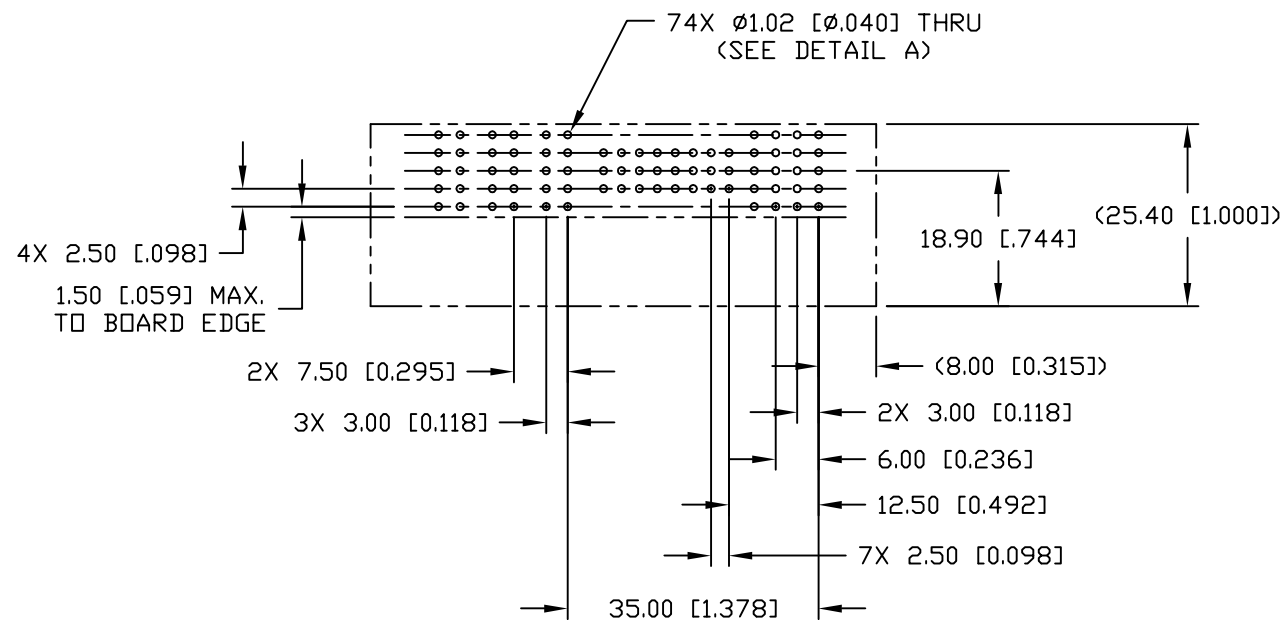
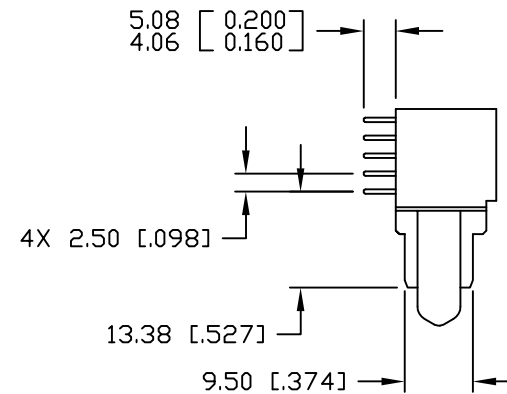


← MM OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN	DATE	tyco Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON TITLE CONNECTOR, SOCKET, RIGHT ANGLE STANDARD SOLDER TAILS, MINIPAK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

This drawing involves proprietary design rights of Tyco Electronics Corporation, and all design, manufacture, reproduction, use and sale rights regarding the same are expressly reserved. It is submitted for a specific purpose and the recipient by accepting this drawing, assumes custody and control and agrees to take reasonable precautions; (a) that this drawing will not be copied and reproduced, in whole or in part, or its contents revealed in any manner, or to any person except to meet the purpose for which it was delivered and (b) that any special features peculiar to this design will not be incorporated in other projects without the expressed written permission of Tyco Electronics Corporation.

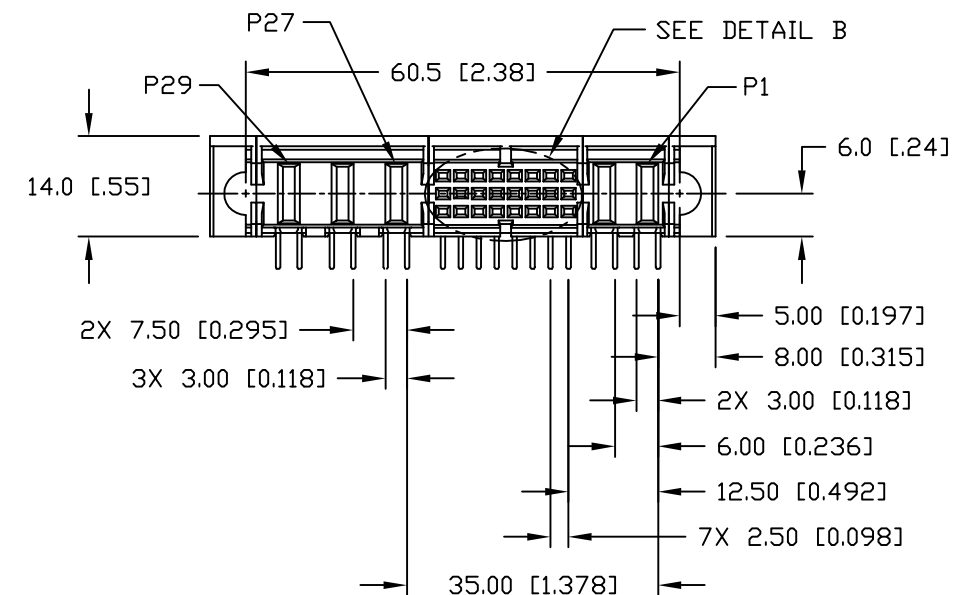
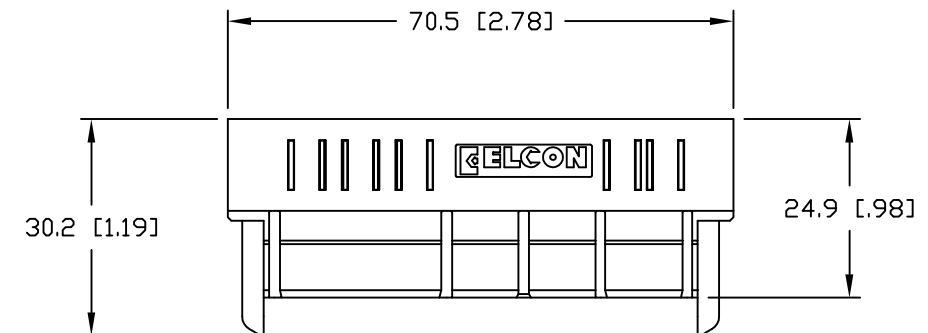


DETAIL B



RECOMMENDED PC LAYOUT

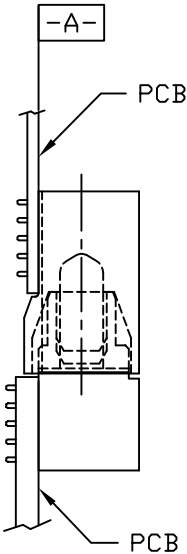
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



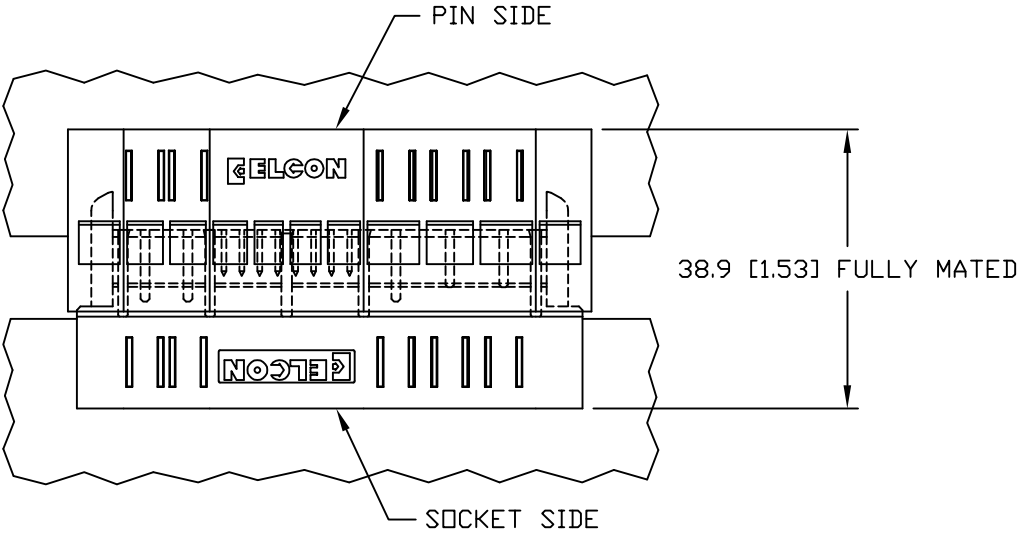
← MM INCH OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN R. F. A.	DATE 06/22/05	tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025 ELCON	
	CHECKED			
	APPROVED		TITLE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

This drawing involves proprietary design rights of Tyco Electronics Corporation, and all design, manufacture, reproduction, use and sale rights regarding the same are expressly reserved. It is submitted for a specific purpose and the recipient by accepting this drawing, assumes custody and control and agrees to take reasonable precautions; (a) that this drawing will not be copied and reproduced, in whole or in part, or its contents revealed in any manner, or to any person except to meet the purpose for which it was delivered and (b) that any special features peculiar to this design will not be incorporated in other projects without the expressed written permission of Tyco Electronics Corporation.

REVISIONS			
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	