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

6. CONNECTOR INFORMATION

CONNECTOR	TYCO PART NUMBER	CONFIGURATION REF #	CONTACT	POSITION	CONTACT PITCH	VOLTAGE RATING*
PIN	1766693-1	MPK005	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.

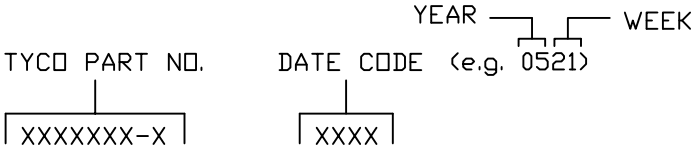
1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
2. MATERIALS:

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

POWER CONTACTS: COPPER ALLOY.
3. FINISHES:

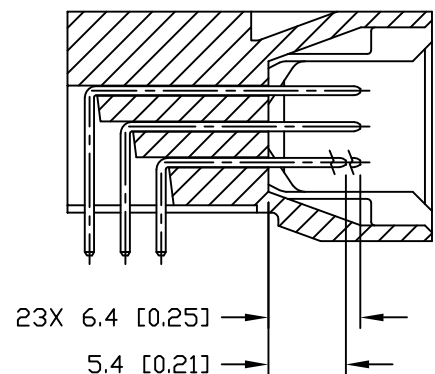
CONTACT PLATING: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0, .000030" MIN. THICKNESS OVER NICKEL, PER QQ-N-290,

TERMINALS: TIN PLATED, MATTE FINISH .000100" MIN. THICKNESS.
4. REFER TO DRAWING 997-010 FOR MATING SEQUENCE & MISALIGNMENT.
5. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER.

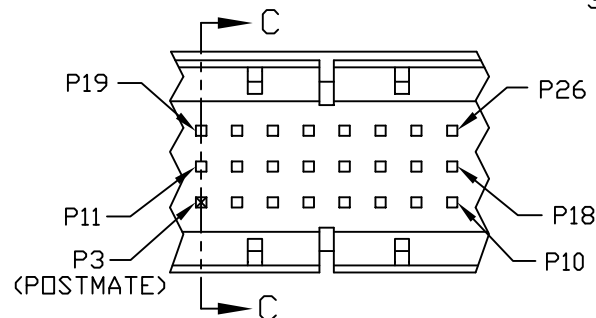


<div><div>MM OR MM [INCH]</div><div></div><div>THIRD ANGLE PROJECTION</div><div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</div><div>TOLERANCES</div><div>ANGLES ± .5°</div><div>DECIMALS</div><div>.XX ± .25 [.010]</div><div>.X ± .5 [.020]</div></div>	DRAWN	DATE	<div><div></div><div>Tyco Electronics Corporation Menlo Park, Ca 94025</div><div></div></div>			
	R. F. A.	06/21/05				
	CHECKED		TITLE			
	APPROVED					
	APPROVED					
D. CHAU	07/28/05	SIZE DWG NUMBER REV.				
DCA APPROVED	07/28/05					
M. ALIM	07/28/05	B	C = 1766693		A	
ACAD FILE NUMBER			C1766693A.DWG		DWG SCALE 1 = 1	SH 1 OF 3

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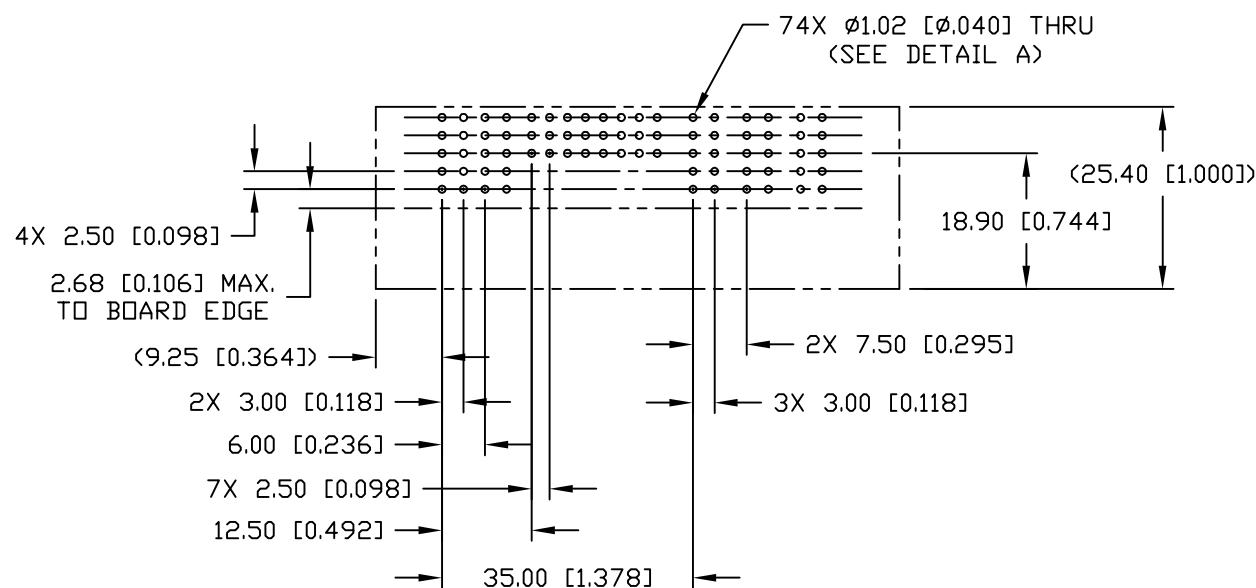
SECTION C-C



DETAIL B

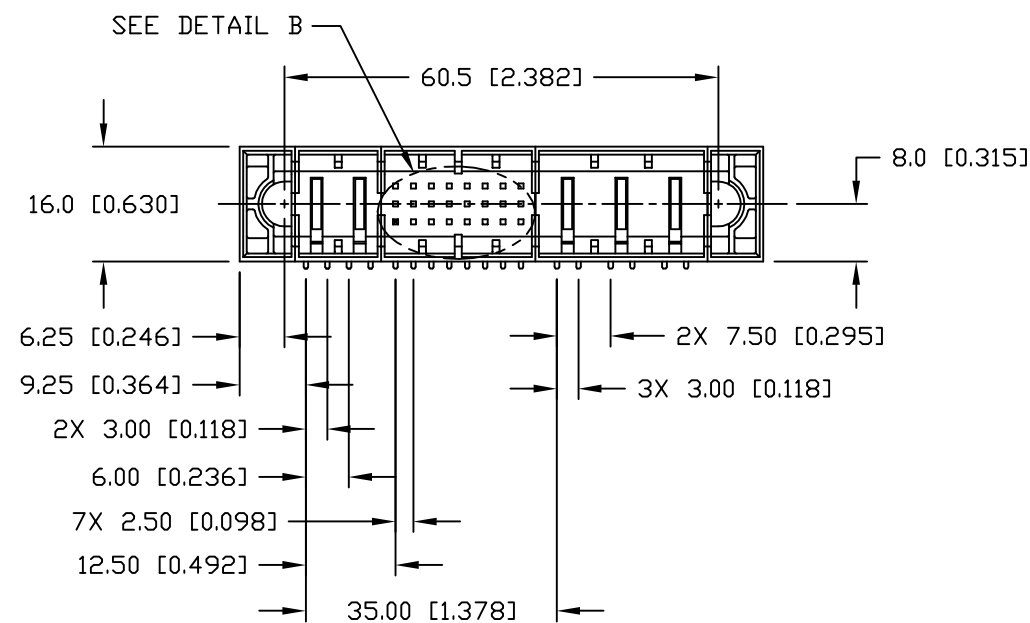
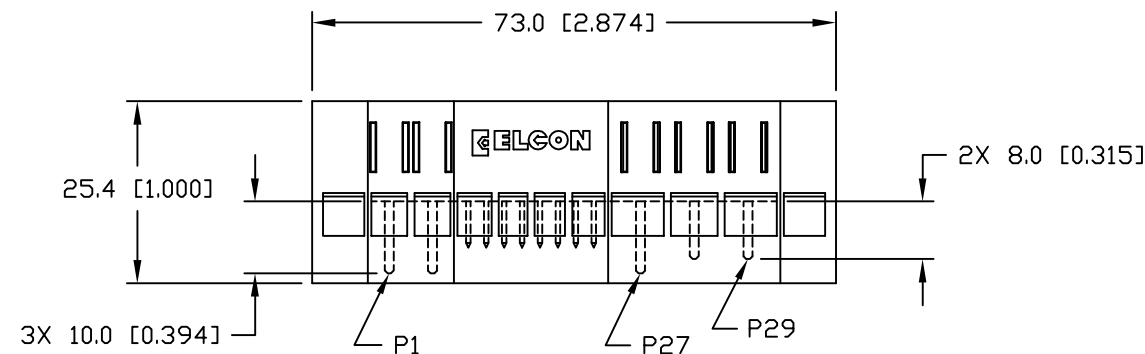
KEY:

- ☒ POSTMATE PIN
- STANDARD PIN (23 PLACES)



RECOMMENDED PC LAYOUT

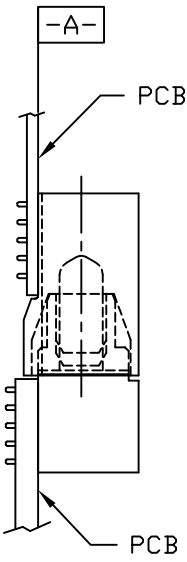
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



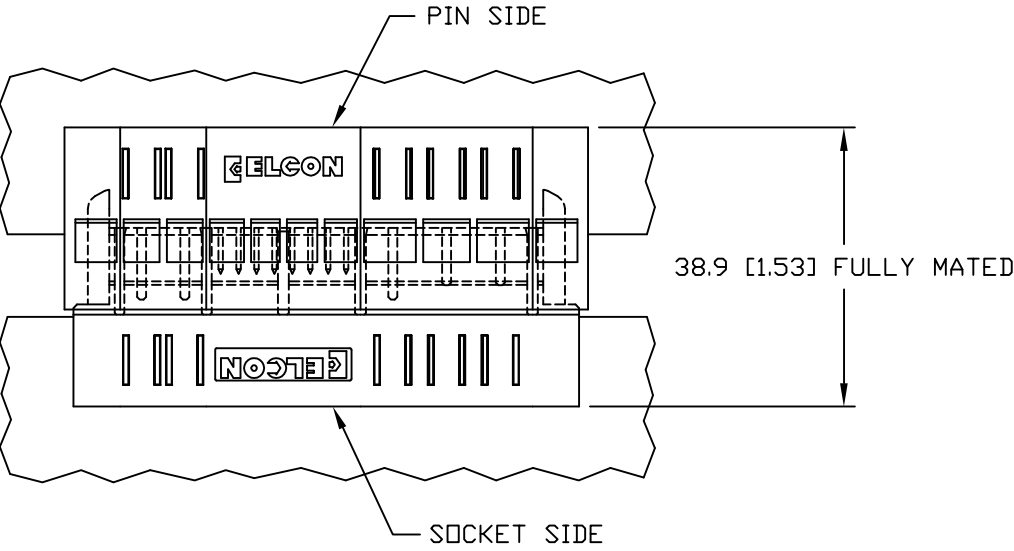
<div><div><div>MM INCH</div><div>OR MM [INCH]</div></div><div></div><div>THIRD ANGLE PROJECTION</div><div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</div><div>TOLERANCES</div><div>ANGLES ± .5°</div><div>DECIMALS</div><div>.XX ± .25 [.010]</div><div>.X ± .5 [.020]</div></div>	DRAWN R. F. A.	DATE 06/21/05	<div><div><div>tyco</div><div>Electronics</div></div><div>Tyco Electronics Corporation Menlo Park, Ca 94025</div><div>ELCON</div></div>			
	CHECKED		TITLE			
	APPROVED		CONNECTOR, PIN, RIGHT ANGLE SHORT SOLDER TAILS, MINIPAK PN 1766693-1			
	APPROVED		SIZE	DWG NUMBER		REV.
	D. CHAU	07/28/05	B	C = 1766693		A
DCA APPROVED	07/28/05					
M. ALIM	07/28/05					
ACAD FILE NUMBER		C1766693A.DWG		DWG SCALE 1 = 1	SH 2 OF 3	

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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)

<div><div><div>← MM INCH</div><div>OR MM [INCH]</div></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 [.010]</div> <div>.X ± .5 [.020]</div>	DRAWN R. F. A.	DATE 06/21/05	<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 1766693-1		
	APPROVED				
	APPROVED				
	D. CHAU	07/28/05	SIZE B	DWG NUMBER C = 1766693	REV. A
DCA APPROVED	07/28/05				
M. ALIM					
ACAD FILE NUMBER C1766693A.DWG			DWG SCALE 1 = 1	SH 3 OF 3	

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[1766693-1](#)