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REVISIONS			
EC	REV	DESCRIPTION	DATE
—	A	NEW RELEASE	06/02/05

NOTES: UNLESS OTHERWISE SPECIFIED.

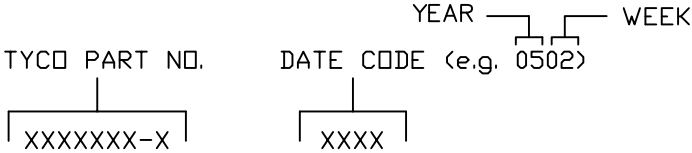
1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
2. MATERIALS:

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

SOLDER SIGNAL PIN: BRASS ALLOY,
3. FINISHES:

CONTACTS: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0, .000030" MIN. THICK OVER NICKEL PER QQ-N-290, CLASS 2, .000040" MIN. THICKNESS.

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



5. MODULE INFORMATION

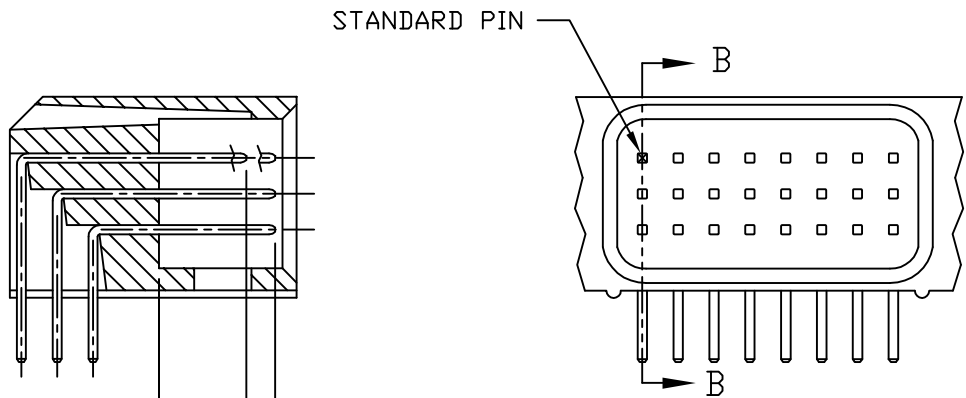
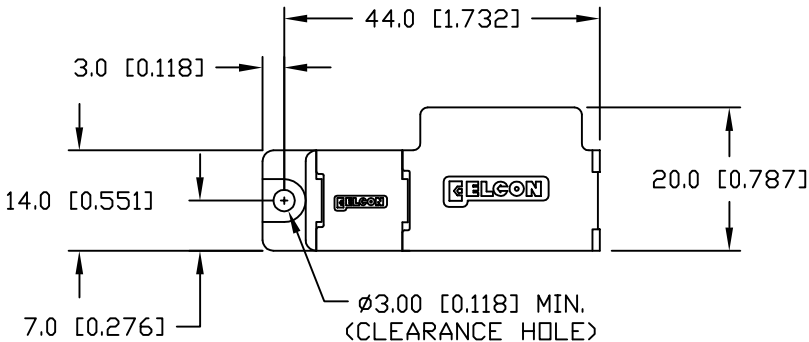
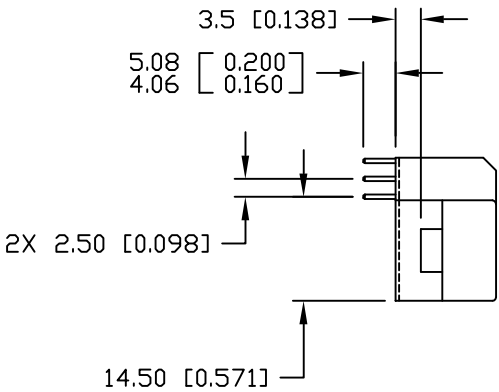
CONNECTOR	TYCO PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
PIN	1766684-1	FP0302	1	22	24	.64 [.025] SQ	3 AMPERES	2.50 [.0984]	125 VOLTS
		FP0506	1	RIGHT ANGLE GUIDE SOCKET					
		FP0500	1	LEFT MOUNTING FLANGE					

*IAW IEC-950

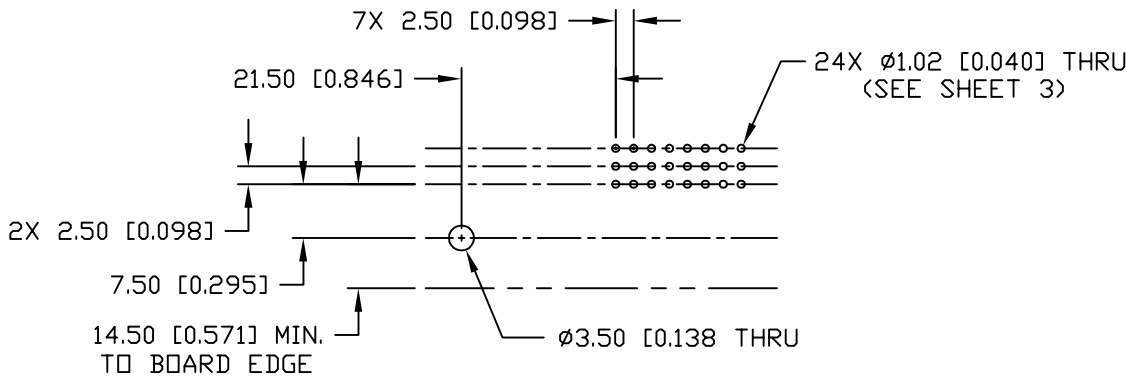
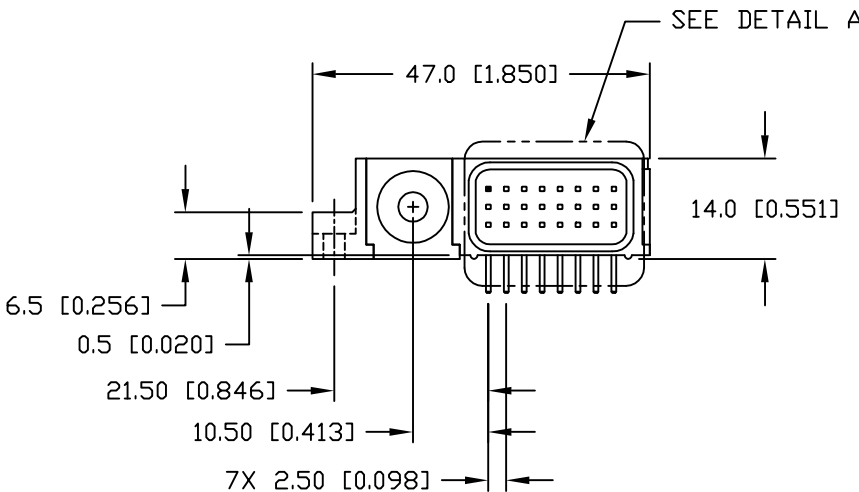
← MM OR MM [INCH] → INCH THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	DRAWN	DATE	Tyco Electronics Corporation Menlo Park, Ca 94025		TITLE						
	R. F. A.	06/02/05									
	CHECKED										
		APPROVED		CONNECTOR, PIN, RIGHT ANGLE STANDARD SOLDER TAILS, FLATPAQ PN 1766684-1		SIZE		DWG NUMBER		REV.	
		APPROVED									
D. CHAU	06/15/05										
	DCA APPROVED	06/16/05	B		C = 1766684		A				
M. ALIM											
ACAD FILE NUMBER		C1766684A.DWG			DWG SCALE		1 = 1		SH 1 OF 3		

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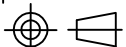
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



KEY:
☒ STANDARD PIN
☐ PREMATE PIN (23 PLACES)



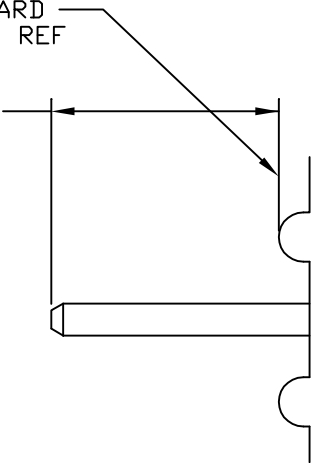
PRINTED CIRCUIT LAYOUT

← 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 06/02/05	tyco Electronics Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON		TITLE CONNECTOR, PIN, RIGHT ANGLE STANDARD SOLDER TAILS, FLATPAQ PN 1766684-1	
	CHECKED					
	APPROVED					
	APPROVED					
	D. CHAU	06/15/05	SIZE B	DWG NUMBER C = 1766684		REV. A
	DCA APPROVED M. ALIM	06/16/05				
ACAD FILE NUMBER		C1766684A.DWG		DWG SCALE 1 = 1	SH 2 OF 3	

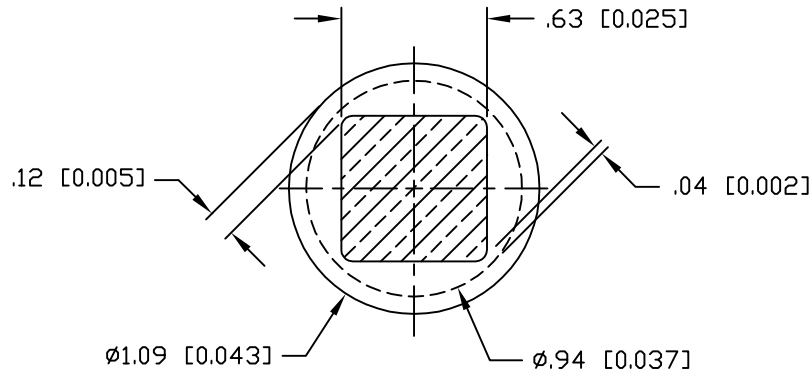
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P.C. BOARD
SURFACE REF

5.08 [0.200]
4.06 [0.160]



SOLDER PIN DETAIL



SOLDER TERMINATION AREA

RECOMMENDED PRINTED CIRCUIT HOLE

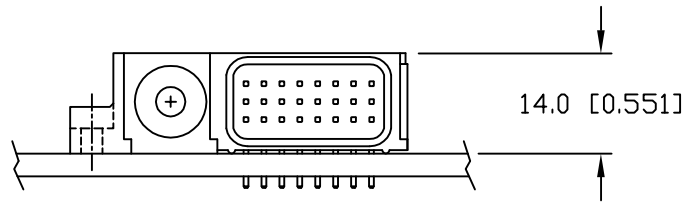
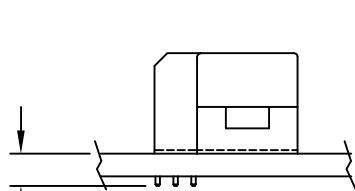
FINISHED HOLE: $\varnothing 1.02$ [0.040] ± 0.08 [0.003]

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)

5.08 [0.200]
4.06 [0.160]



PCB MOUNT

MM INCH OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES $\pm .5^\circ$ DECIMALS .XX $\pm .25$ [.010] .X $\pm .5$ [.020]	DRAWN R. F. A.	DATE 06/02/05	tyco Electronics Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON	
	CHECKED		TITLE	
	APPROVED		USER INFORMATION SOLDER TAIL TERMINATION AND PCB MOUNT	
	APPROVED D. CHAU	06/15/05	SIZE B	DWG NUMBER C = 1766684
DCA APPROVED M. ALIM		06/16/05		
ACAD FILE NUMBER C1766684A.DWG		DWG SCALE 1 = 1		SH 3 OF 3

Mouser Electronics

Authorized Distributor

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[1766684-1](#)