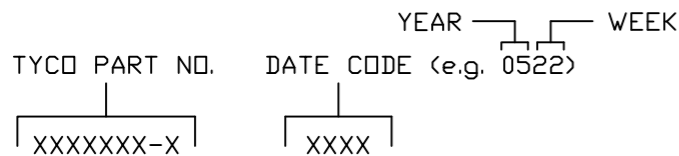


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REVISIONS			
EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	07/26/05

NOTES: UNLESS OTHERWISE SPECIFIED.

- PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
- MATERIALS:
  - INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR BLACK. UL94V-0 FLAMMABILITY RATED.
  - COMPLIANT SIGNAL PIN: PHOSPHOR BRONZE ALLOY.
  - POWER CONTACTS: PHOSPHOR BRONZE ALLOY, COPPER ALLOY.
  - CROWN BANDS: BERYLLIUM COPPER ALLOY.
  - GUIDE PIN: BRASS COPPER ALLOY.
- FINISHES:
  - CONTACTS: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0, .000030" MIN. THK, OVER NICKEL PER QQ-N-290, CLASS 2, .000040" MIN. THICKNESS.
  - TERMINALS: TIN PLATED, MATTE FINISH, .000040" MINIMUM THICKNESS.
  - GUIDE PIN: NICKEL PLATED PER AMS 2404.
- ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:



5. MODULE INFORMATION

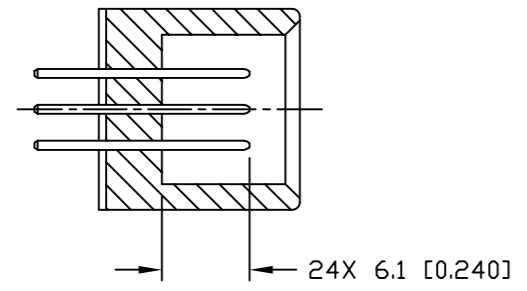
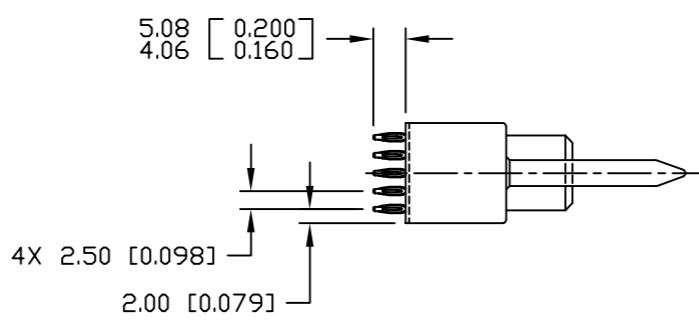
CONNECTOR	TYCO PART NUMBER	CATALOG MODULE #	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	1766706-1	FP710	8	5	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [L2953]	250 VOLTS
			22	24	.64 [L025] SQ.	3 AMPERES	2.50 [L0984]	125 VOLTS
			STRAIGHT GUIDE PIN					

\*IAW IEC-950

<p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</p> <p>TOLERANCES</p> <p>ANGLES ± .5°</p> <p>DECIMALS</p> <p>.XX ± .25 [.010]</p> <p>.X ± .5 [.020]</p>	<p>DRAWN</p> <p>R. F. A.</p>	<p>DATE</p> <p>07/22/05</p>	<p><b>tyco</b> Tyco Electronics Corporation <b>Electronics</b> Menlo Park, Ca 94025</p> <p><b>ELCON</b></p>		
	CHECKED		TITLE		
	APPROVED		CONNECTOR, SOCKET, STRAIGHT STD SOLDER TAILS, FLATPAQ PN 1766706-1		
	APPROVED		SIZE	DWG NUMBER	REV.
	D. CHAU	08/03/05	B	C = 1766706	A
	M. ALIM	08/03/05			
	ACAD FILE NUMBER C1766706A.DWG		DWG SCALE 1=1		SH 1 OF 3

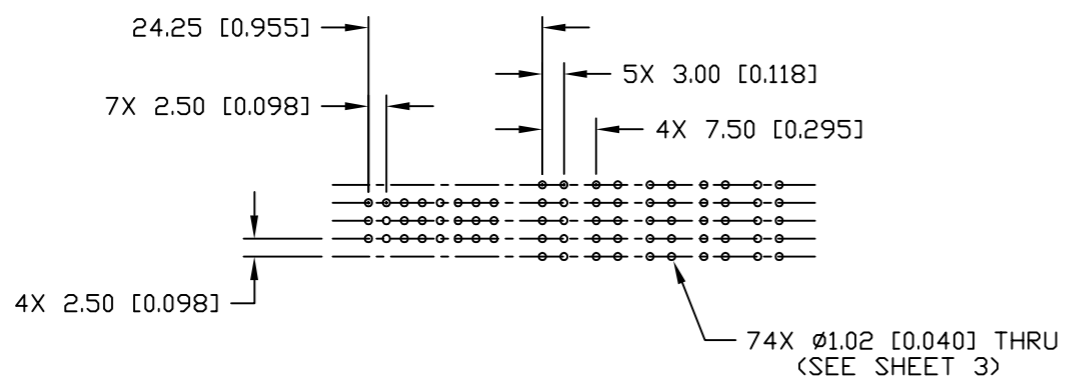
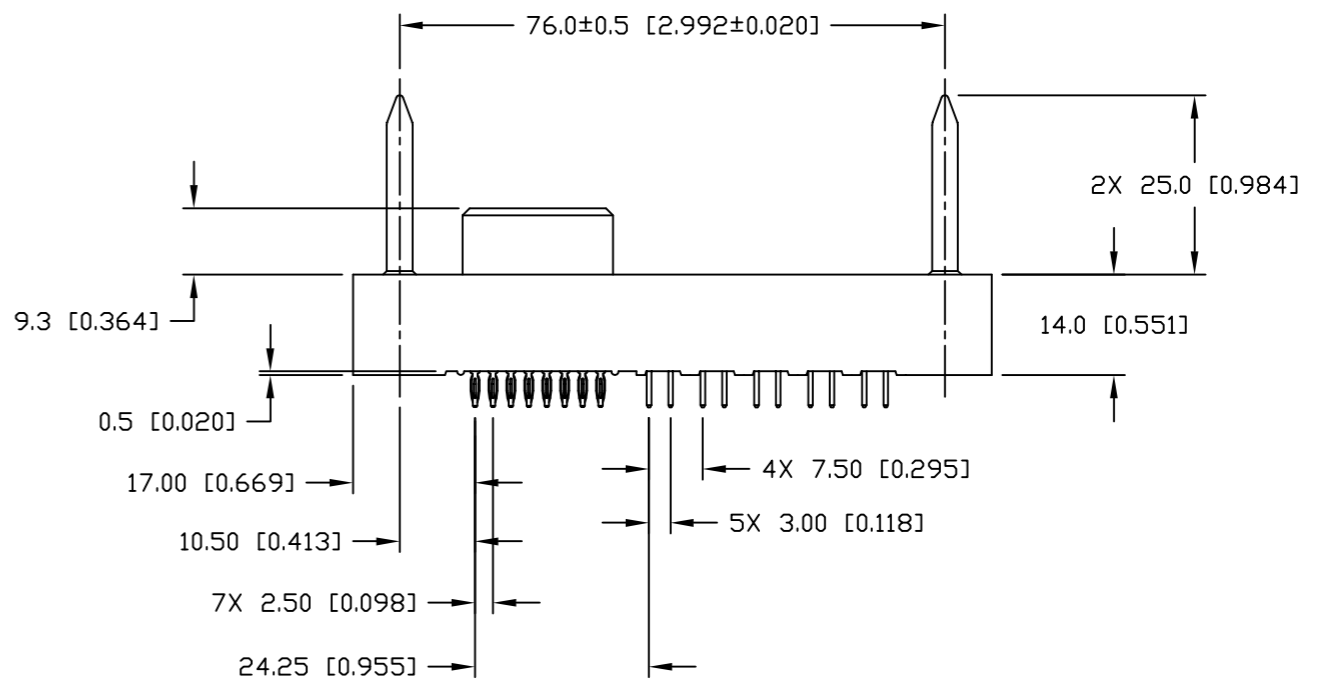
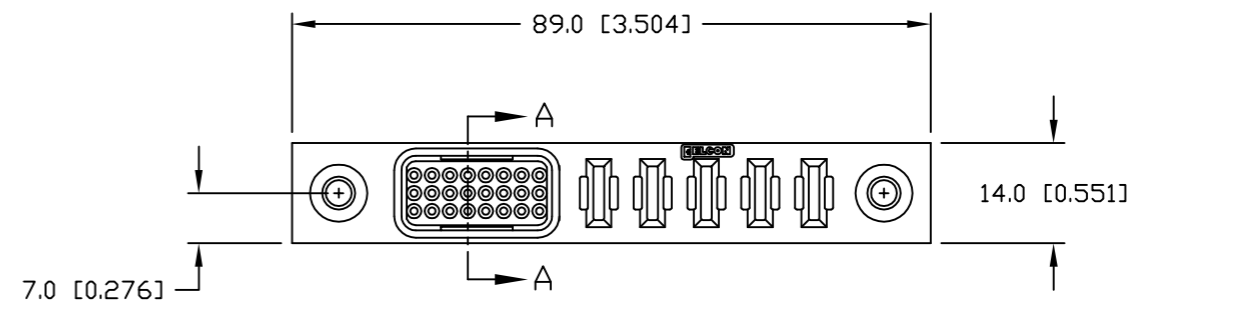
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EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



SECTION A-A

GENDER CHANGER NOT SHOWN FOR CLARITY



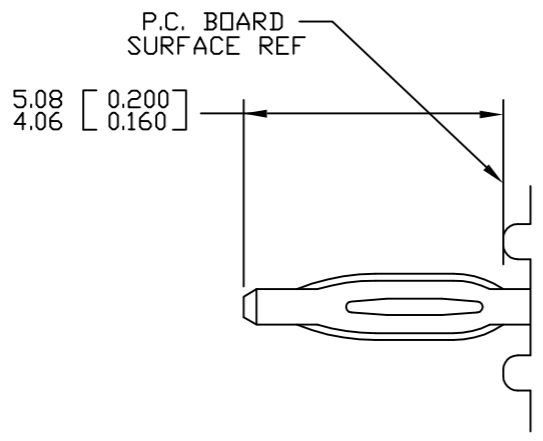
PRINTED CIRCUIT LAYOUT

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 07/22/05	 Tyco Electronics Corporation Menlo Park, Ca 94025 
	CHECKED	APPROVED	
	APPROVED D. CHAU	08/03/05	SIZE DWG NUMBER REV. B C = 1766706 A
	DCA APPROVED M. ALIM	08/03/05	
	ACAD FILE NUMBER C1766706A.DWG		DWG SCALE 1=1 SH 2 OF 3

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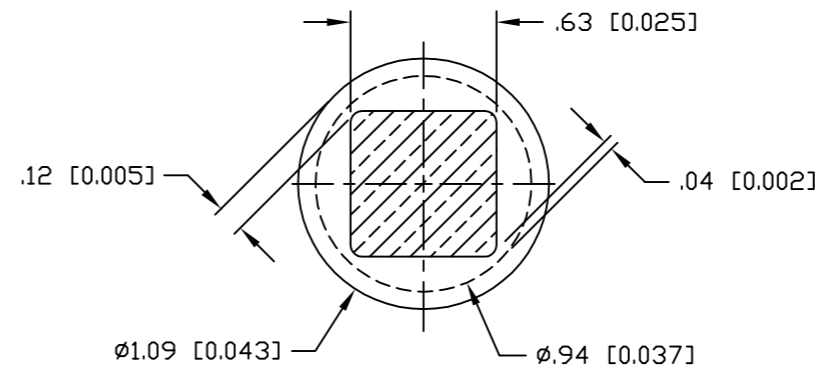
REVISIONS

EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



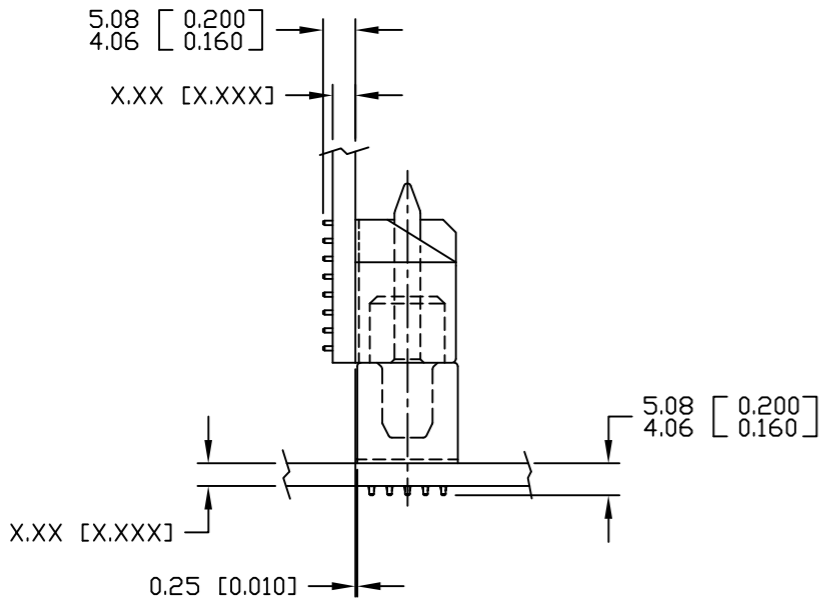
COMPLIANT PIN DETAIL

INSERTION/EXTRACTION FORCES  
 MAXIMUM PUSH-IN: 133.3N PER PIN [30 LBS]  
 MINIMUM PUSH-OUT: 44.4N PER PIN [10 LBS]

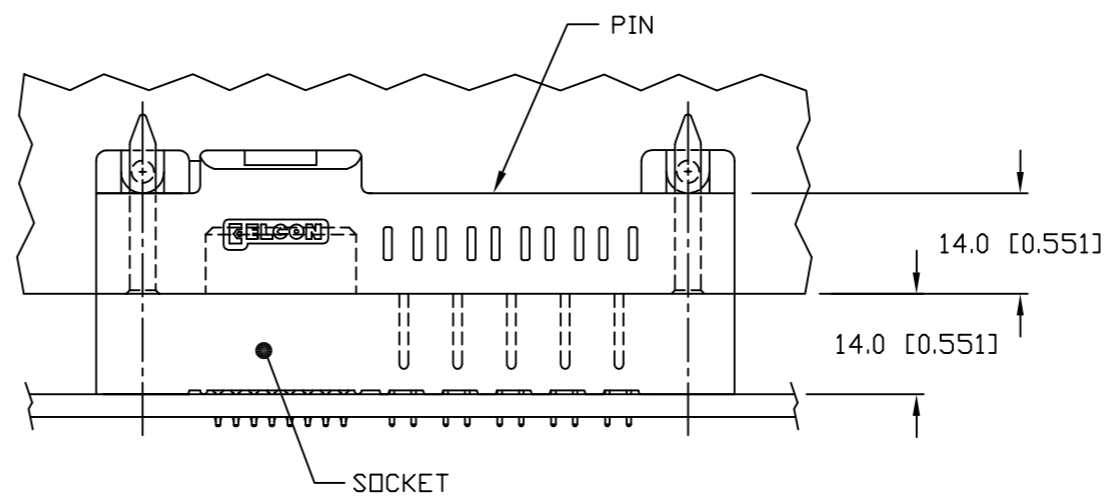


SOLDER TERMINATION AREA

RECOMMENDED PRINTED CIRCUIT HOLE  
 FINISHED HOLE: Ø1.02 [0.040] ±.08 [0.003]  
 DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]  
 COPPER PLATE: .025 [0.0010] MINIMUM (PER SURFACE)  
 TIN PLATE: .008 [0.0003] MINIMUM (PER SURFACE)



MATED CONDITION



MM INCH OR MM [INCH]	DRAWN R. F. A.	DATE 07/22/05	<b>tyco</b> Tyco Electronics Corporation <b>Electronics</b> Menlo Park, Ca 94025		ELCON
	CHECKED		TITLE USER INFORMATION SOLDER TAIL TERMINATION AND MATED CONDITION		
THIRD ANGLE PROJECTION	APPROVED		SIZE B	DWG NUMBER C = 1766706	REV. A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	APPROVED D. CHAU	08/03/05			
TOLERANCES ANGLES ± .5°	DCA APPROVED M. ALIM	08/03/05			
DECIMALS .XX ± .25 [.010] .X ± .5 [.020]	ACAD FILE NUMBER C1766706A.DWG		DWG SCALE 1 = 1	SH 3 OF 3	