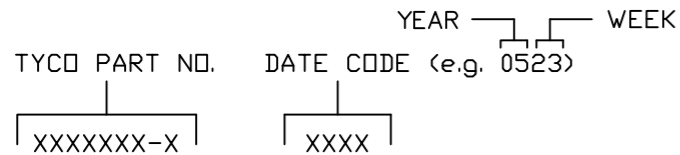


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REVISIONS			
EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	08/23/05

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.
  - SOLDER SIGNAL PIN: BRASS ALLOY.
  - POWER CONTACTS: PHOSPHOR BRONZE ALLOY, COPPER ALLOY.
  - CROWN BANDS: BERYLLIUM 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 000100" MIN. THICKNESS.
- ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:



5. MODULE INFORMATION

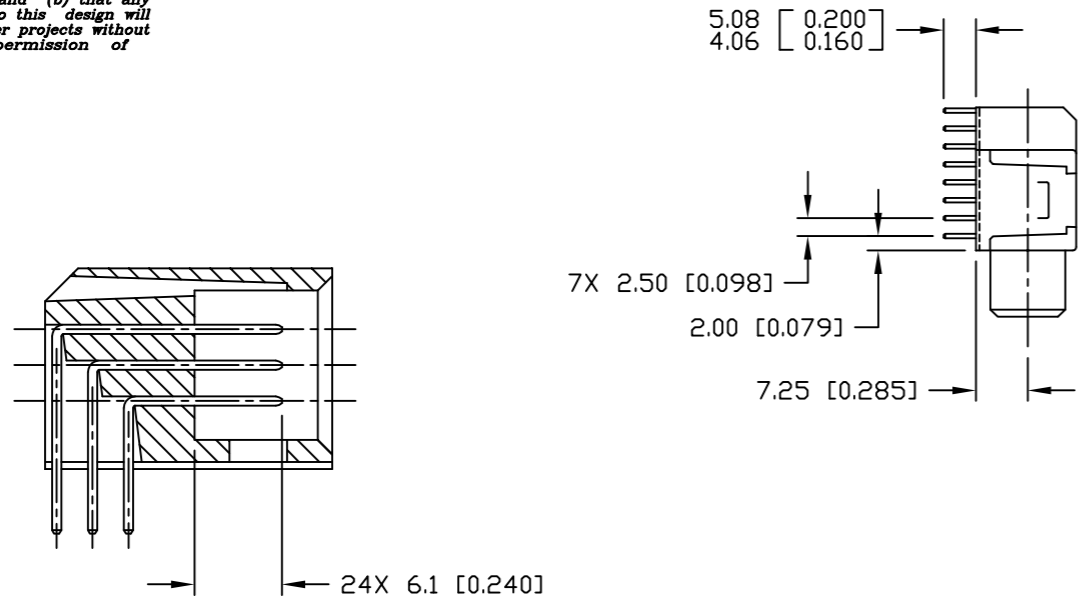
CONNECTOR	TYCO PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	6646901-1	FP0104	9	8	9	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 VOLTS
		FP0303	1	22	24	.64 [.025] SQ.	3 AMPERES	2.50 [.0984]	125 VOLTS
		FP0512	1	RIGHT ANGLE 250V SPACER					

\*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>MM OR MM [INCH]</p> <p>INCH</p>	<p>DRAWN</p> <p>R. F. A.</p>	<p>DATE</p> <p>08/23/05</p>	<p><b>tyco</b> Tyco Electronics Corporation  <b>Electronics</b> Menlo Park, Ca 94025</p>	<p><b>ELCON</b></p>
	<p>CHECKED</p>		<p>TITLE</p> <p>CONNECTOR, SOCKET, RIGHT ANGLE          STD SOLDER TAILS, SFLATPAQ          PN 6646901-1</p>		
	<p>APPROVED</p>		<p>APPROVED</p> <p>D. CHAU 09/28/05</p>		<p>SIZE DWG NUMBER</p> <p>B C = 6646901</p>
	<p>APPROVED</p> <p>M. ALIM 09/28/05</p>		<p>ACAD FILE NUMBER</p> <p>C6646901A.DWG</p>		<p>REV.</p> <p>A</p>
<p>DWG SCALE 1=1</p>				<p>SH 1 OF 3</p>	

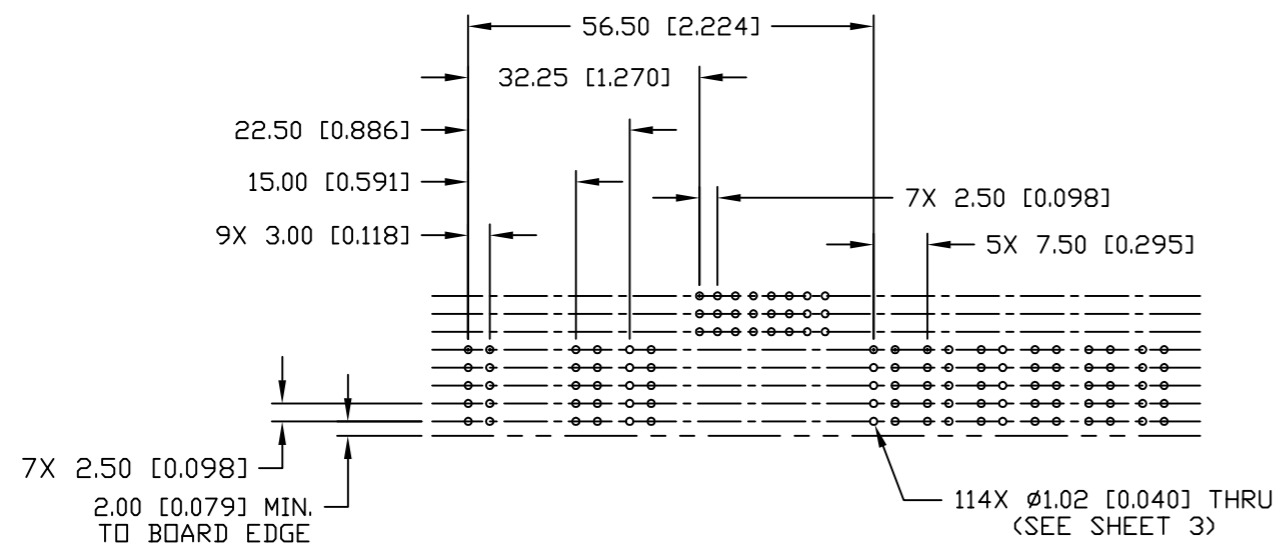
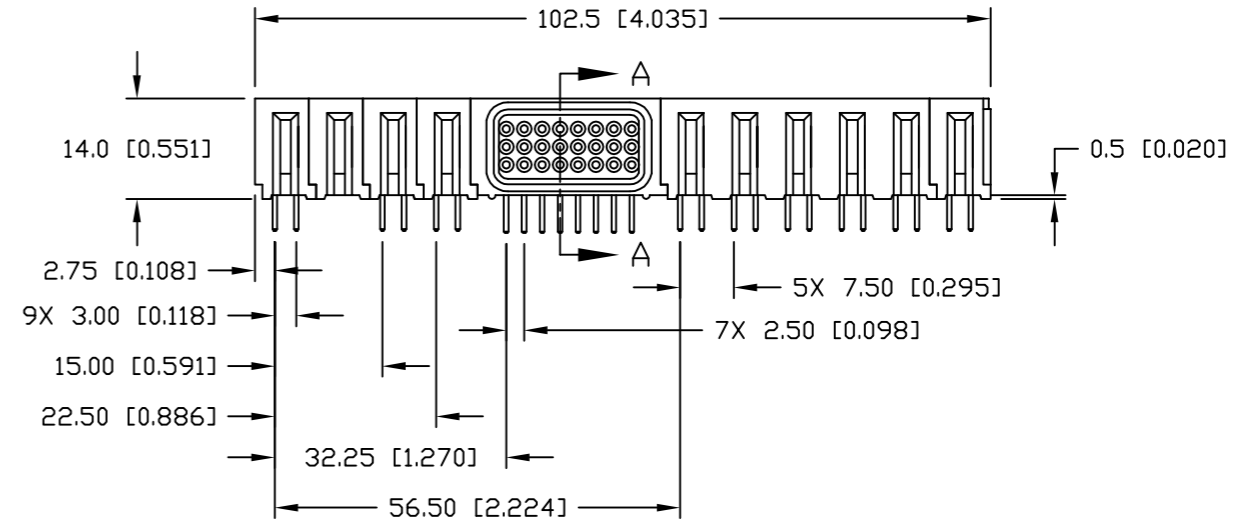
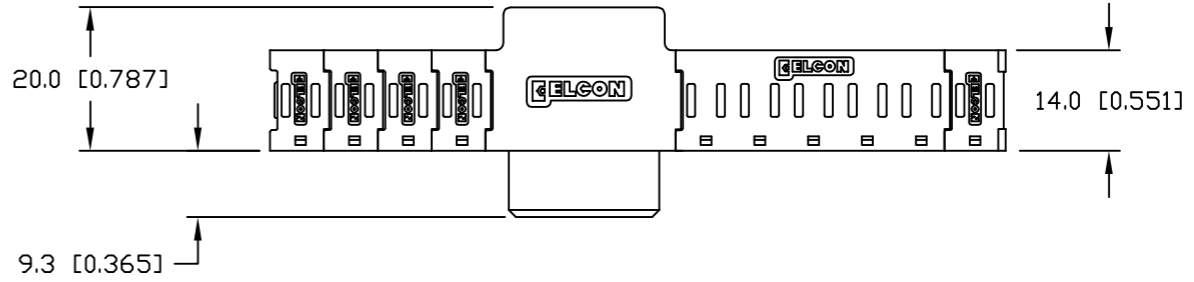
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		SEE SHEET 1	



SECTION A-A

GENDER CHANGER NOT SHOWN FOR CLARITY

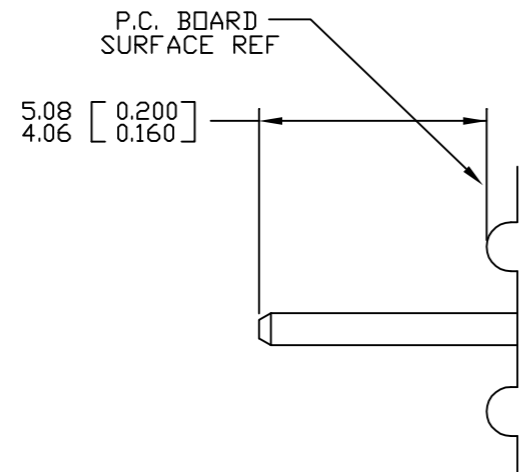


PRINTED CIRCUIT LAYOUT

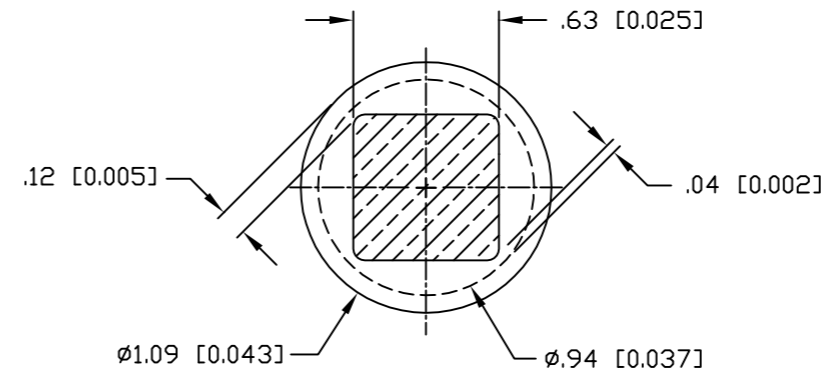
THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [0.010] .X ± .5 [0.020]	DRAWN R. F. A.	DATE 08/23/05	<b>tyco</b> Tyco Electronics Corporation <b>Electronics</b> Menlo Park, Ca 94025		<b>ELGON</b> TITLE CONNECTOR, SOCKET, RIGHT ANGLE STD SOLDER TAILS, SFLATPAQ PN 6646901-1
	CHECKED		SIZE	DWG NUMBER	
	APPROVED		REV.		
	APPROVED D. CHAU 09/28/05 DCA APPROVED M. ALIM 09/28/05 ACAD FILE NUMBER C6646901A.DWG			B	C = 6646901
			DWG SCALE	1=1	SH 2 OF 3

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		SEE SHEET 1	



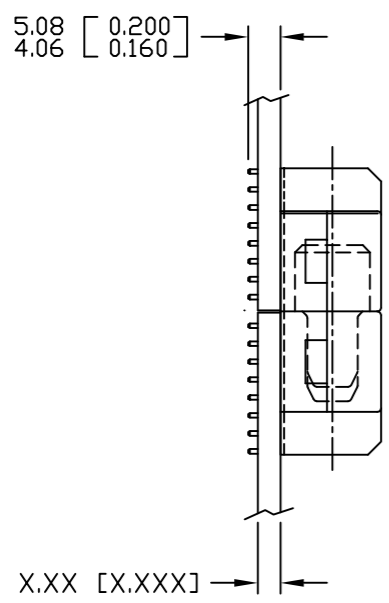
SOLDER PIN DETAIL



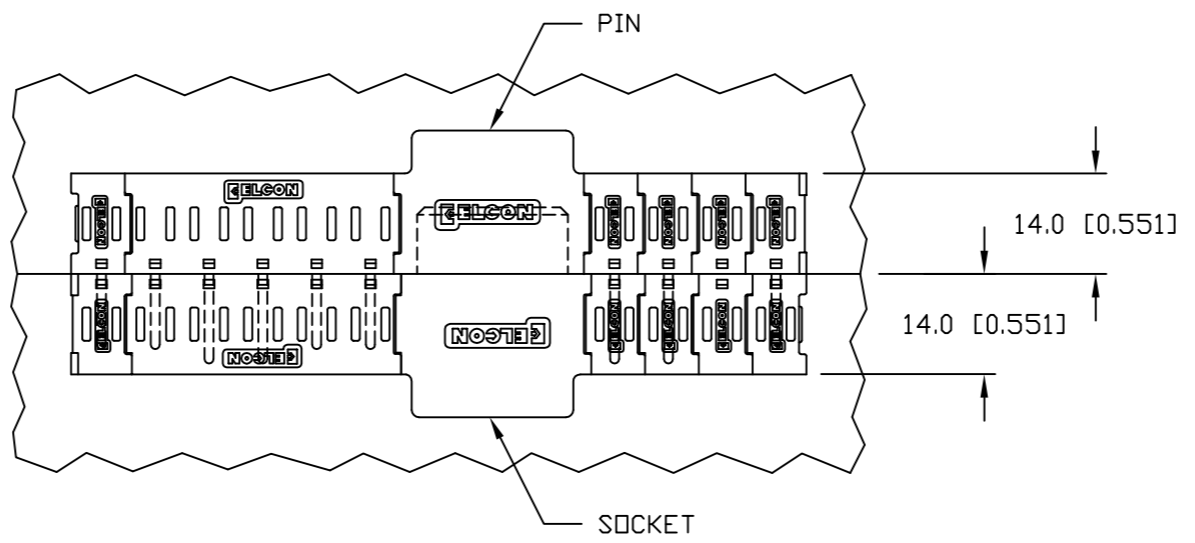
SOLDER TERMINATION AREA

RECOMMENDED PRINTED CIRCUIT HOLE

- FINISHED HOLE:  $\phi 1.02 [0.040] \pm .08 [0.003]$
- DRILLED HOLE:  $\phi 1.15 [0.0453] \pm .013 [0.0005]$
- COPPER PLATE: .025 [0.0010] MINIMUM (PER SURFACE)
- TIN PLATE: .008 [0.0003] MINIMUM (PER SURFACE)



MATED CONDITION



← MM OR MM [INCH] INCH THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES $\pm .5^\circ$ DECIMALS .XX $\pm .25 [0.010]$ .X $\pm .5 [0.020]$	DRAWN R. F. A.	DATE 08/23/05	<b>tyco</b> Tyco Electronics Corporation <b>Electronics</b> Menlo Park, Ca 94025		<b>ELCON</b>
	CHECKED		TITLE		
	APPROVED		USER INFORMATION SOLDER TAIL TERMINATION AND MATED CONDITION		
	APPROVED D. CHAU	09/28/05	SIZE B	DWG NUMBER C = 6646901	REV. A
	DCA APPROVED M. ALIM	09/28/05	ACAD FILE NUMBER C6646901A.DWG		DWG SCALE 1=1
					SH 3 OF 3