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REVISIONS			
EC	REV	DESCRIPTION	DATE
0S1Q-0112-05	A	NEW RELEASE	04/08/05

7. MODULE INFORMATION

CONNECTOR	TYCO PART NUMBER	ELCON PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	6646742-1	279-0320-10200A	FP1104	12	8	12	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 VOLTS
			FP1303	1	22	24	.64 [.025] SQ.	3 AMPERES	2.50 [.0984]	125 VOLTS

*IAW IEC-950

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.

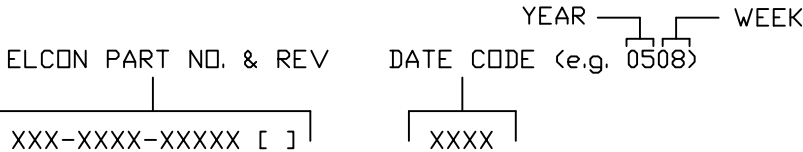
SOLDER SIGNAL PIN: BRASS ALLOY.

POWER CONTACTS: PHOSPHOR BRONZE ALLOY, COPPER ALLOY.

CROWN BANDS: BERYLLIUM COPPER ALLOY.
3. 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.

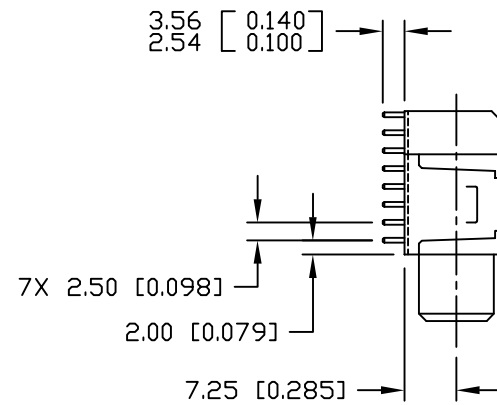
TERMINALS: TIN PLATED, MATTE FINISH, .000100" MINIMUM THICKNESS.
4. ALL POWER MODULES ARE NON HOT PLUG.
5. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:



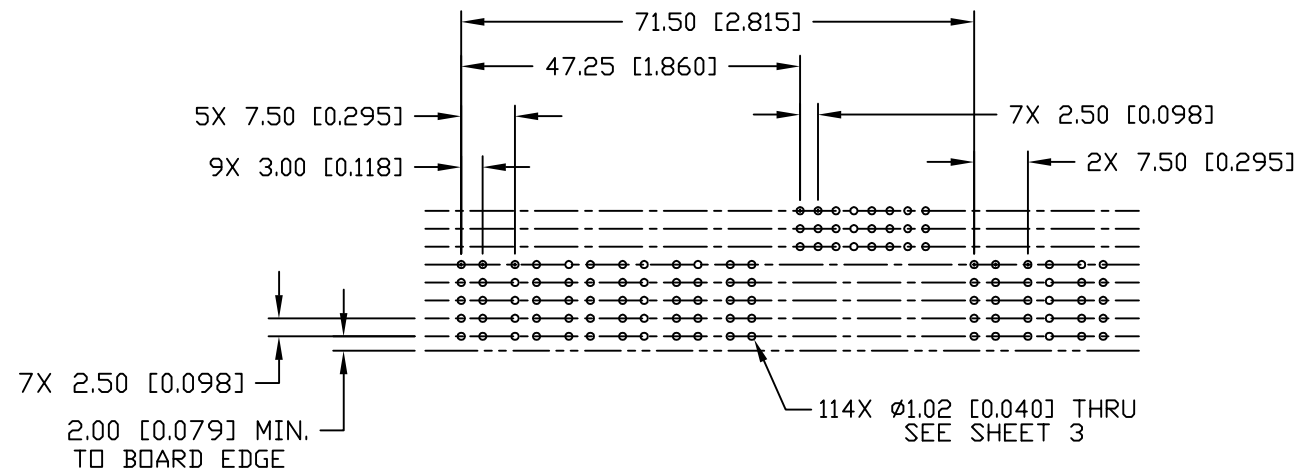
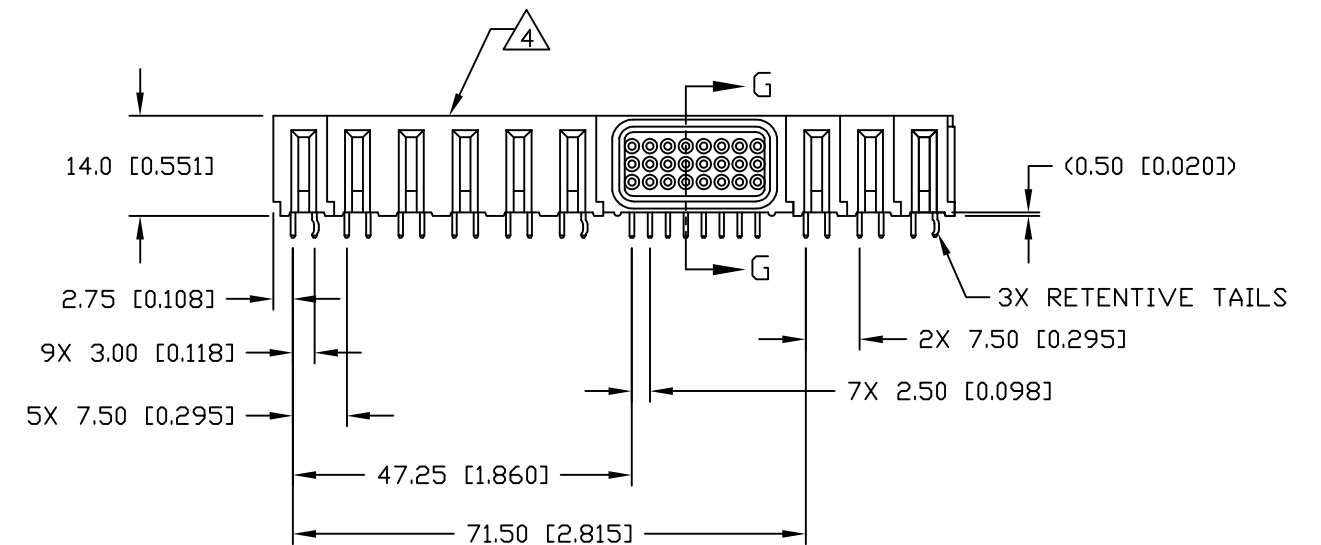
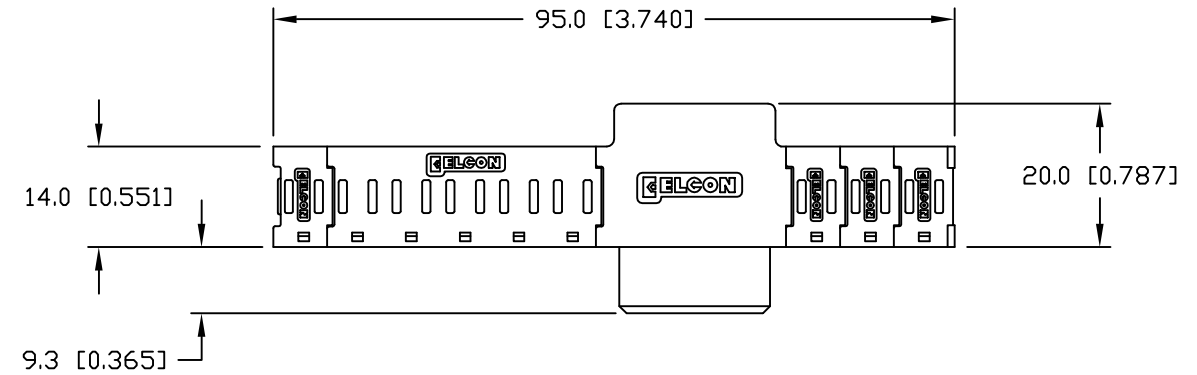
6. THIS CONNECTOR MATES WITH PIN CONNECTOR PN 279-0320-10100.

← 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 Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON TITLE SOCKET CONNECTOR, FLATPAQ RIGHT ANGLE, SOLDER TAILS PN: 279-0320-10200A		
	R. F. A.	04/08/05			
	CHECKED				
	APPROVED		SIZE	DWG NUMBER	REV.
	APPROVED	04/08/05	B	C = 6646742	A
D. CHAU		04/08/05			
M. ALIM		04/13/05			
ACAD FILE NUMBER		C6646742A.DWG			
		DWG SCALE 1 = 1			SH 1 OF 3

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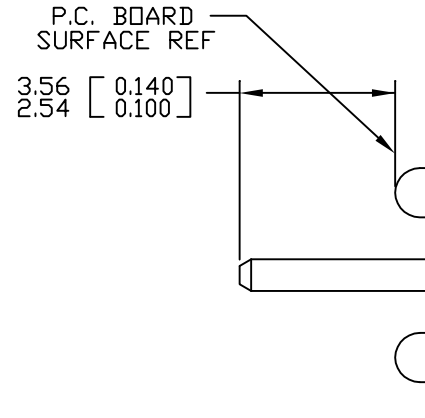
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



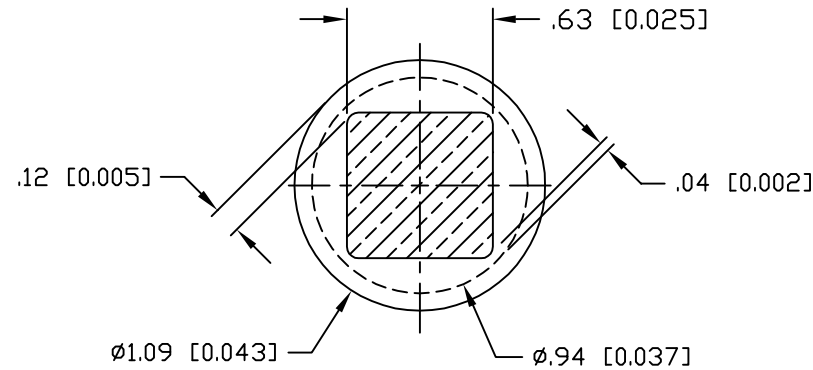
PRINTED CIRCUIT LAYOUT

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 04/08/05	tyco Electronics Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON		
	CHECKED		TITLE SOCKET CONNECTOR, FLATPAQ RIGHT ANGLE, SOLDER TAILS PN: 279-0320-10200A		
	APPROVED				
	APPROVED				
	D. CHAU	04/08/05	SIZE B	DWG NUMBER C = 6646742	REV. A
DCA APPROVED M. ALIM	04/13/05				
ACAD FILE NUMBER		C6646742A.DWG		DWG SCALE 1 = 1	SH 2 OF 3

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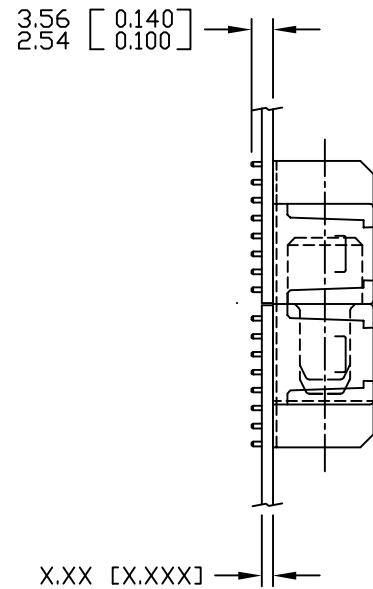
SOLDER PIN DETAIL



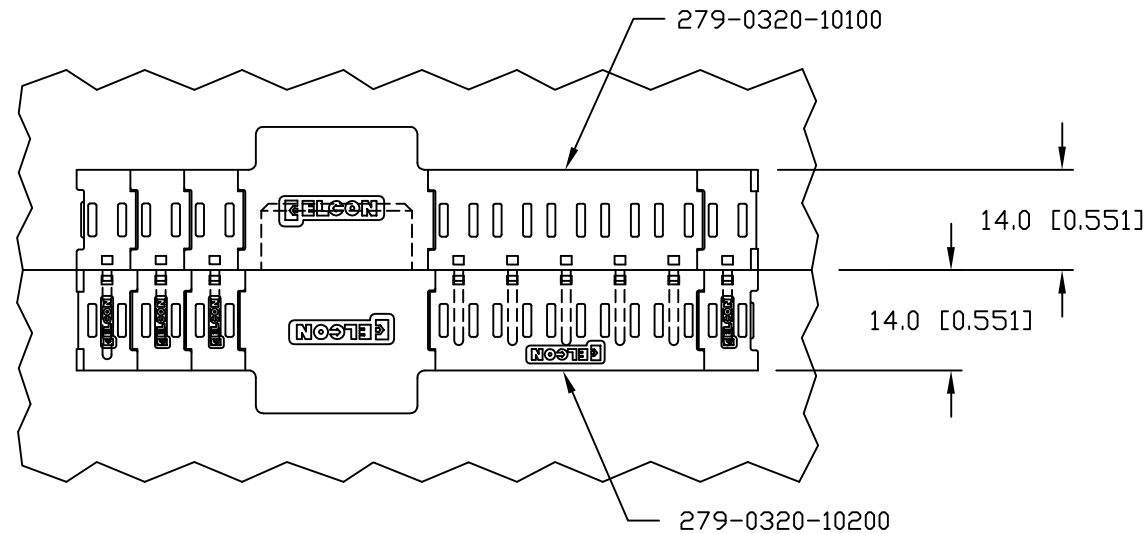
SOLDER TERMINATION AREA

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 INCH OR MM [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 04/08/05	tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025 ELCON	
	CHECKED		TITLE USER INFORMATION SOLDER TAIL TERMINATION AND MATED CONDITION	
APPROVED			SIZE B	DWG NUMBER C = 6646742
APPROVED D. CHAU	04/08/05		REV. A	
DCA APPROVED M. ALIM	04/13/05			
ACAD FILE NUMBER C6646742A.DWG			DWG SCALE 1 = 1	SH 3 OF 3

Mouser Electronics

Authorized Distributor

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[6646742-1](#)