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REVISIONS

EC	REV	DESCRIPTION	DATE
—	A	NEW RELEASE	04/20/05
0S1Q-0178-05	A1	CHANGED TAILS FROM COMPLIANT TO SOLDER & CHANGED CONTACTS FROM LEAD TO NON-LEAD. ADDED NOTE 4	05/31/05

B

B

6. MODULE INFORMATION

CONNECTOR	TYCO PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	1766666-1	FP0104	21	8	21	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 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.

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" MIN. THICKNESS.

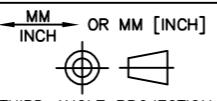
⚠ ALL POWER MODULES ARE NON HOT PLUG.

5. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:

YEAR — WEEK

TYCO PART NO. & REV
XXXXXXX-X []

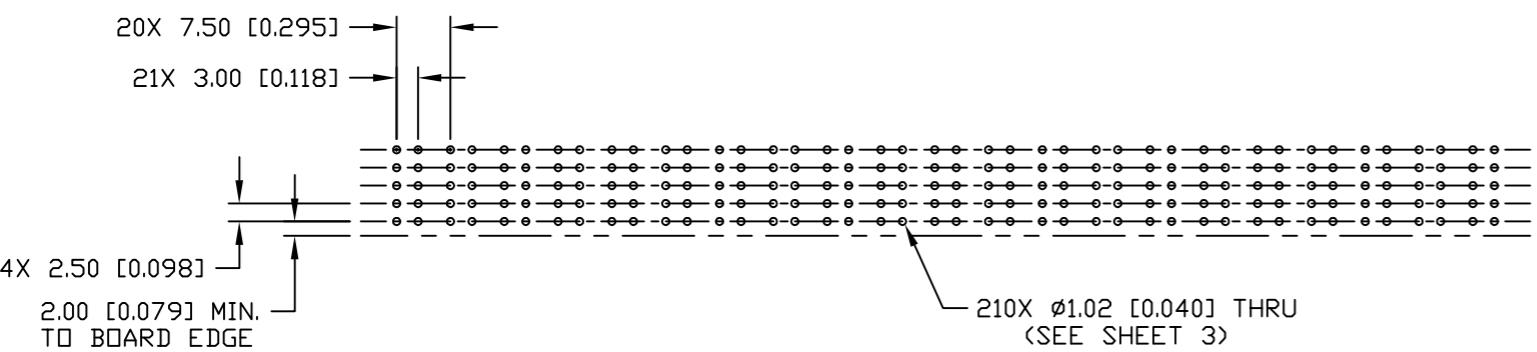
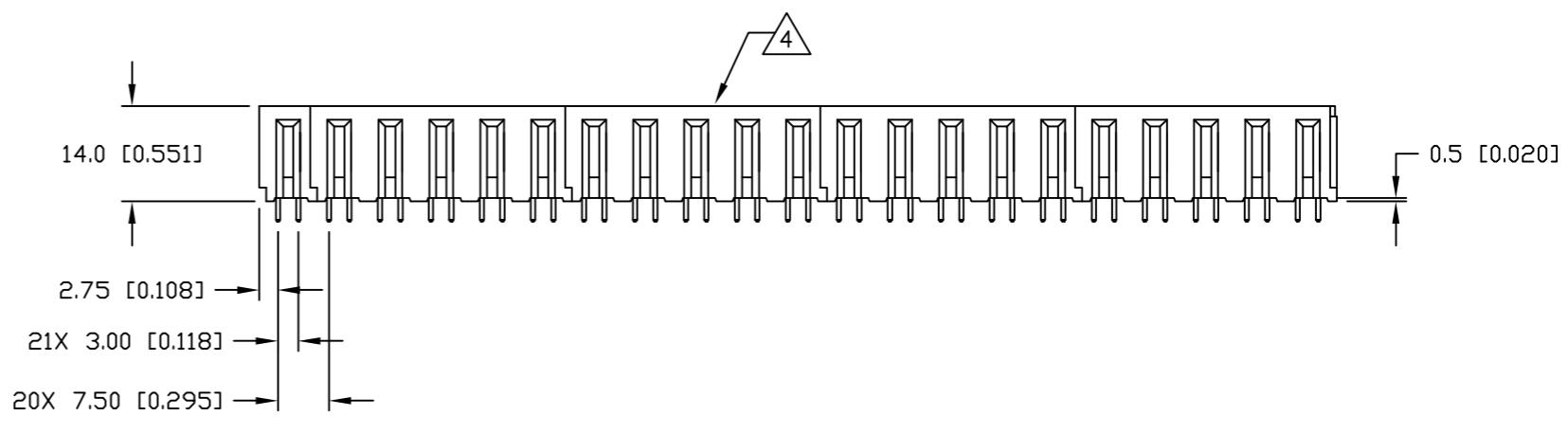
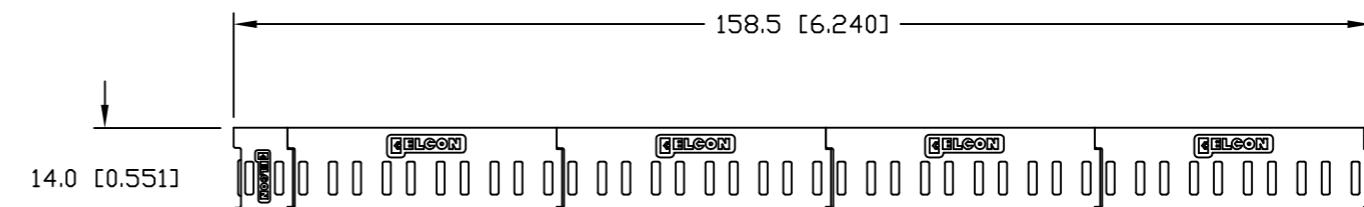
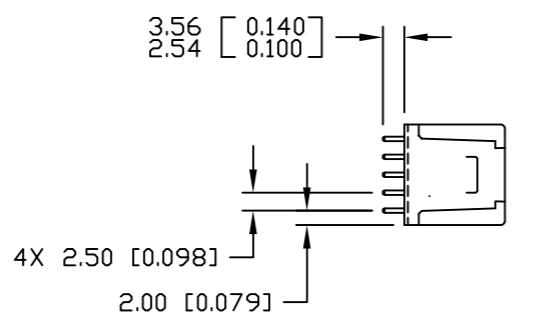
DATE CODE (e.g. 0520)
XXXX

 <small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</small>	DRAWN	DATE	 <small>Tyco Electronics Corporation Menlo Park, Ca 94025</small>
	CHECKED		
APPROVED			
APPROVED			
APPROVED			
DECIMALS			
.XX ± .25 [.010]	DCA APPROVED		
.X ± .5 [.020]	M. ALIM	06/01/05	
ACAD FILE NUMBER	C1766666A1.DWG		DWG SCALE 1=1
			SH 1 OF 3

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REVISIONS

EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



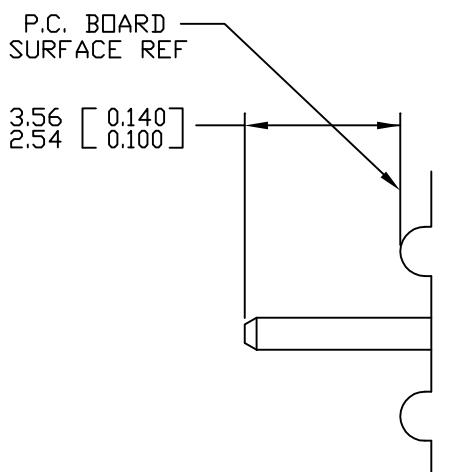
PRINTED CIRCUIT LAYOUT

MM INCH	OR MM [INCH]	DRAWN R. F. A.	DATE 04/20/05	tyco Electronics	TITLE CONNECTOR, SOCKET, RIGHT ANGLE SOLDER TAILS, FLATPAQ
THIRD ANGLE PROJECTION		CHECKED			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]		APPROVED			
TOLERANCES		APPROVED			
ANGLES $\pm .5^\circ$		D. CHAU	05/31/05		
DECIMALS		DCA APPROVED			
.XX $\pm .25$ [.010]		M. ALIM	06/01/05		
.X $\pm .5$ [.020]		ACAD FILE NUMBER	C1766666A1.DWG		
				DWG SCALE 1=1	SH 2 OF 3

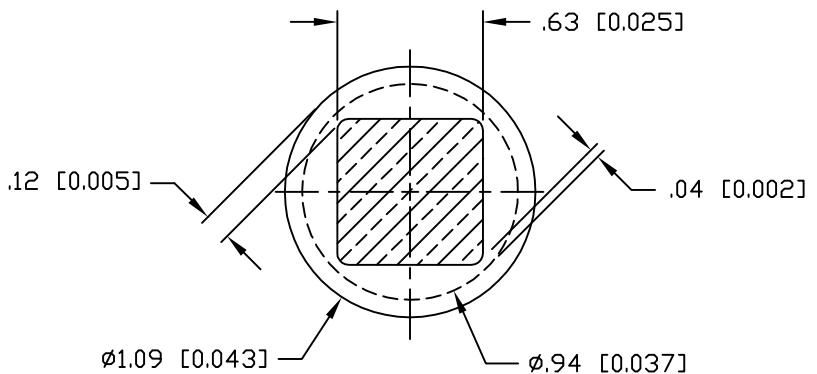
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SOLDER PIN DETAIL



SOLDER TERMINATION AREA

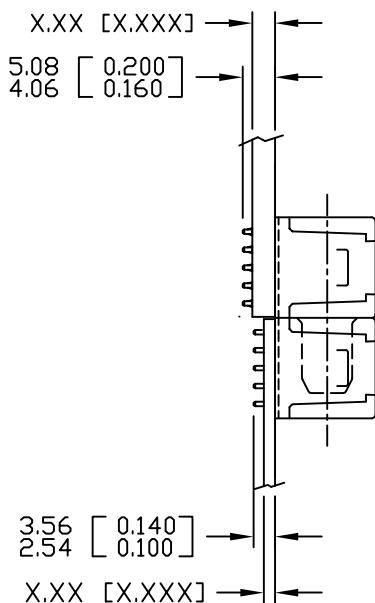
RECOMMENDED PRINTED CIRCUIT HOLE

FINISHED HOLE: Ø1.02 [0.040] ±.08 [0.003]

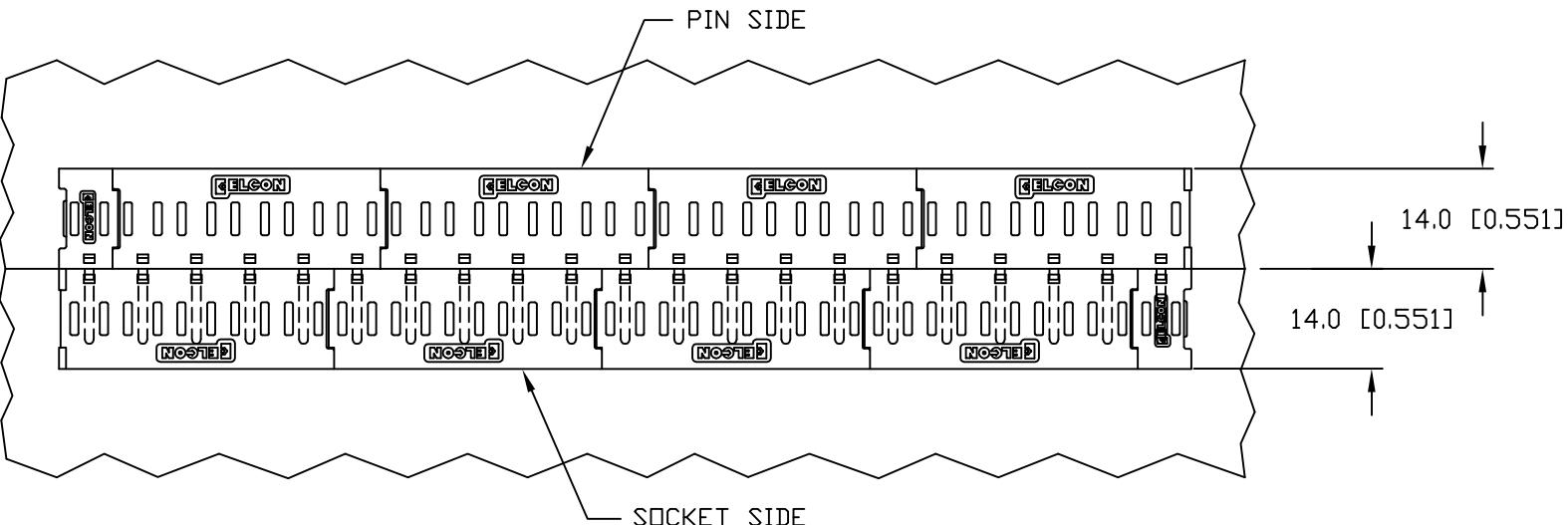
DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]

COPPER PLATE: .025 [0.0010] MINIMUM (PER SURFACE)

TIN PLATE: .008 [0.0003] MINIMUM (PER SURFACE)



MATED CONDITION



 THIRD ANGLE PROJECTION <small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</small>	DRAWN R. F. A.	DATE 04/20/05	 Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON
	CHECKED		
<small>TOLERANCES ANGLES ± .5°</small>	APPROVED		TITLE USER INFORMATION SOLDER TAIL TERMINATION AND MATED CONDITION
	APPROVED D. CHAU	05/31/05	
<small>DECIMALS .XX ± .25 [.010] .X ± .5 [.020]</small>	DCA APPROVED M. ALIM	06/01/05	SIZE B DWG NUMBER C = 1766666 REV. A1
	ACAD FILE NUMBER C1766666A1.DWG		
	DWG SCALE 1=1	SH 3 OF 3	

Mouser Electronics

Authorized Distributor

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[1766666-1](#)