

This drawing involves proprietary design rights of Tyco Electronics Corporation, and all design, manufacture, reproduction, use and sale rights regarding the same are expressly reserved. It is submitted for a specific purpose and the recipient by accepting this drawing, assumes custody and control and agrees to take reasonable precautions; (a) that this drawing will not be copied and reproduced, in whole or in part, or its contents revealed in any manner, or to any person except to meet the purpose for which it was delivered and (b) that any special features peculiar to this design will not be incorporated in other projects without the expressed written permission of Tyco Electronics Corporation.

## REVISIONS

EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	10/12/05

B

B

## 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.

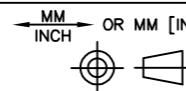
## 4. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:



## 5. MODULE INFORMATION

CONNECTOR	TYCO PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	6651899-1	FP1104	4	8	4	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 VOLTS

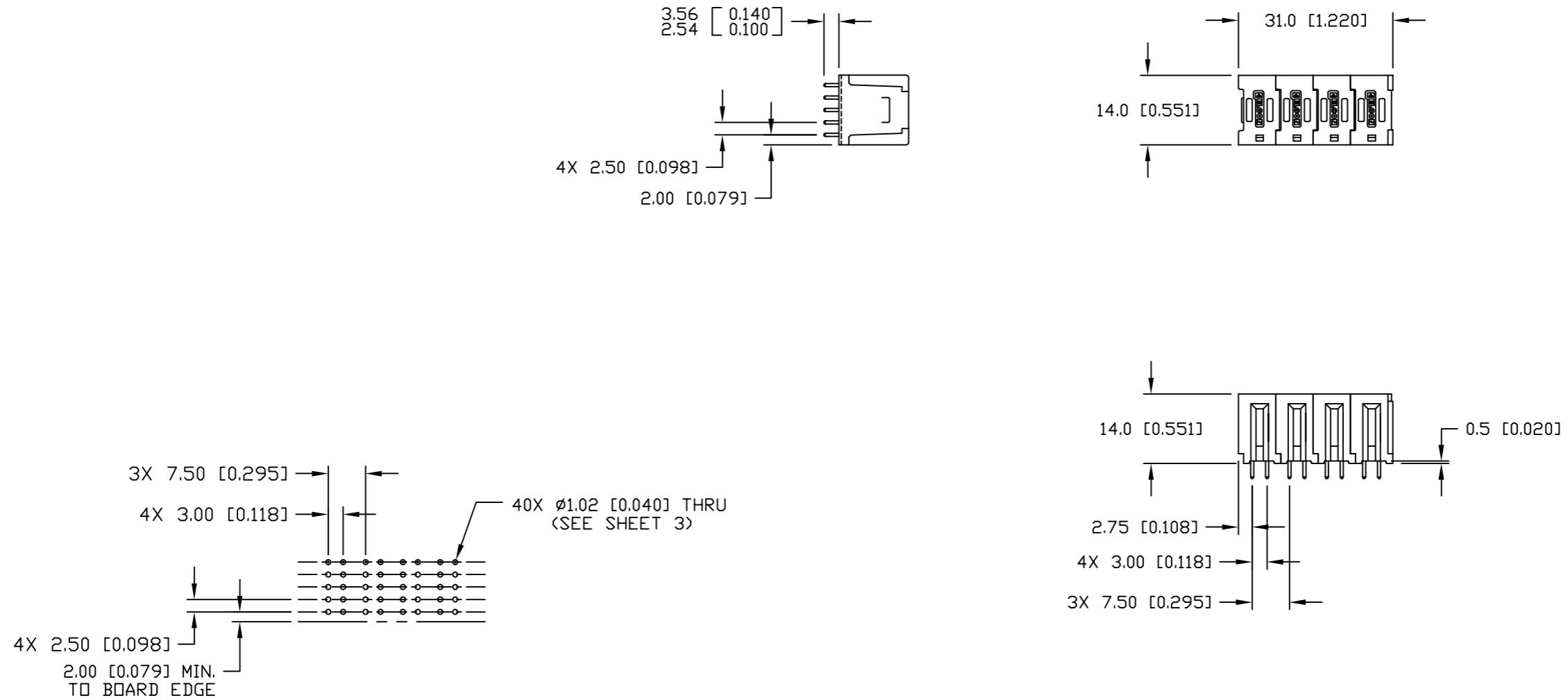
\*IAW IEC-950

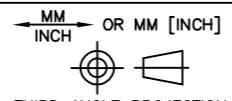
 <small>THIRD ANGLE PROJECTION</small>	DRAWN R. F. A.	DATE 10/12/05	<b>tyco</b> <b>Electronics</b>	Tyco Electronics Corporation Menlo Park, Ca 94025
	CHECKED			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	APPROVED			
TOLERANCES	APPROVED			
ANGLES $\pm .5^\circ$	D. CHAU	11/23/05		
DECIMALS	DCA APPROVED			
.XX $\pm .25$ [.010]	M. ALIM	11/23/05		
.X $\pm .5$ [.020]	ACAD FILE NUMBER	C6651899A.DWG	DWG SCALE	1=1
			REV.	A
			SH 1 OF 3	

This drawing involves proprietary design rights of Tyco Electronics Corporation, and all design, manufacture, reproduction, use and sale rights regarding the same are expressly reserved. It is submitted for a specific purpose and the recipient by accepting this drawing, assumes custody and control and agrees to take reasonable precautions; (a) that this drawing will not be copied and reproduced, in whole or in part, or its contents revealed in any manner, or to any person except to meet the purpose for which it was delivered and (b) that any special features peculiar to this design will not be incorporated in other projects without the expressed written permission of Tyco Electronics Corporation.

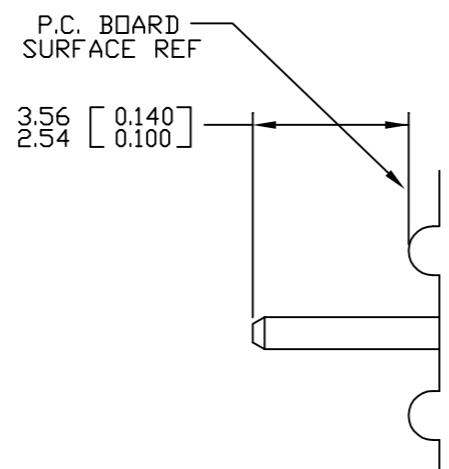
## REVISIONS

EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

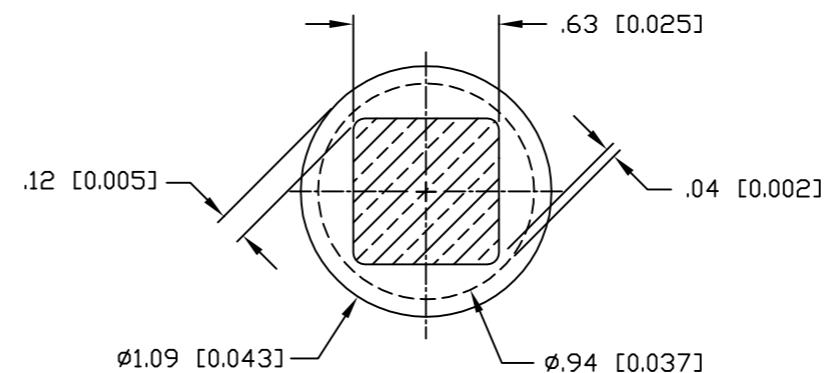
PRINTED CIRCUIT LAYOUT

	DRAWN R. F. A.	DATE 10/12/05	 <b>Tyco Electronics</b> Tyco Electronics Corporation Menlo Park, Ca 94025
	CHECKED		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]	APPROVED		TITLE CONNECTOR, SOCKET, RIGHT ANGLE SHORT SOLDER TAILS, FLATPAQ PN 6651899-1
TOLERANCES	APPROVED		
ANGLES $\pm .5^\circ$	D. CHAU	11/23/05	
DECIMALS	DCA APPROVED		
.XX $\pm .25$ [0.010]	M. ALIM	11/23/05	
.X $\pm .5$ [0.020]	ACAD FILE NUMBER	C6651899A.DWG	REV. A
	DWG SCALE	1=1	SH 2 OF 3

This drawing involves proprietary design rights of Tyco Electronics Corporation, and all design, manufacture, reproduction, use and sale rights regarding the same are expressly reserved. It is submitted for a specific purpose and the recipient by accepting this drawing, assumes custody and control and agrees to take reasonable precautions; (a) that this drawing will not be copied and reproduced, in whole or in part, or its contents revealed in any manner, or to any person except to meet the purpose for which it was delivered and (b) that any special features peculiar to this design will not be incorporated in other projects without the expressed written permission of Tyco Electronics Corporation.



SOLDER PIN DETAIL



SOLDER TERMINATION AREA

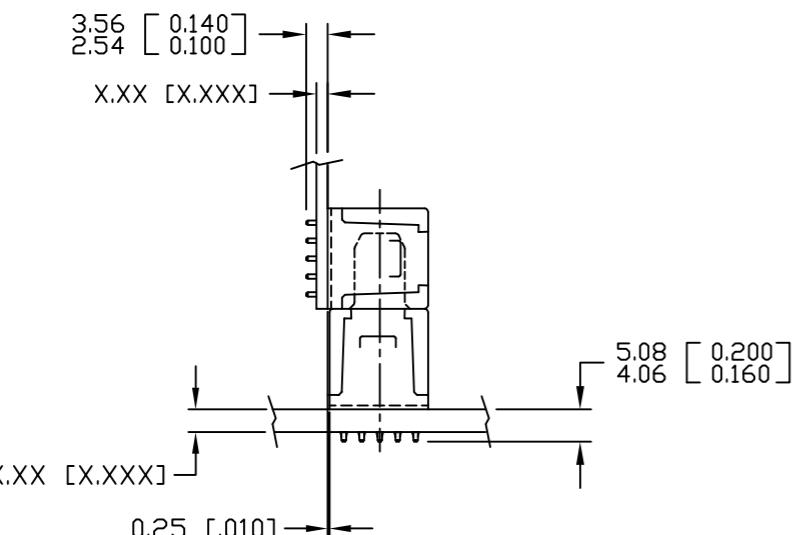
RECOMMENDED PRINTED CIRCUIT HOLE

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

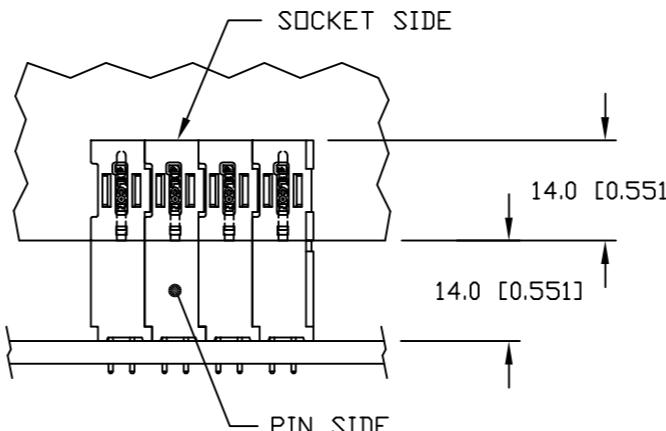
DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]

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

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



MATED CONDITION



MM INCH	OR MM [INCH]	DRAWN R. F. A.	DATE 10/12/05	tyco Electronics	TITLE Tyco Electronics Corporation Menlo Park, Ca 94025
THIRD ANGLE PROJECTION		CHECKED			ELCON
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]		APPROVED			
TOLERANCES		APPROVED D. CHAU	11/23/05		
ANGLES ± .5°		APPROVED M. ALIM	11/23/05		
DECIMALS		DCA APPROVED M. ALIM	11/23/05	SIZE B	DWG NUMBER C - 6651899
.XX ± .25 [0.010]		ACAD FILE NUMBER C6651899A.DWG		REV. A	DWG SCALE 1=1
.X ± .5 [0.020]					SH 3 OF 3

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[6651899-1](#)