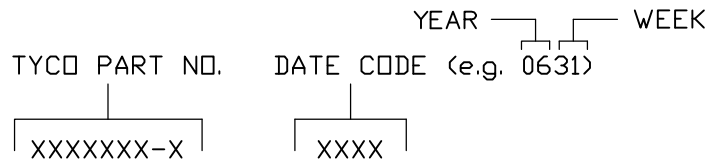


This drawing involves proprietary design rights of Tyco Electronics Corporation, and all design, manufacture, reproduction, use and sale rights regarding the same are expressly reserved. It is submitted for a specific purpose and the recipient by accepting this drawing, assumes custody and control and 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.

- NOTES: UNLESS OTHERWISE SPECIFIED.
- PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TYCO APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
 - MATERIALS:
INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR BLACK.
UL94V-0 FLAMMABILITY RATED.
SOLDER SIGNAL PIN: BRASS ALLOY.
COMPLIANT SIGNAL PIN: PHOSPHOR BRONZE ALLOY.
POWER CONTACTS: PHOSPHOR BRONZE ALLOY,
COPPER ALLOY.
CROWN BANDS: COPPER ALLOY.
 - FINISHES:
CONTACTS: GOLD PLATE .000030" MIN. THK, OVER NICKEL
.000040" MIN. THICKNESS.
TERMINALS: TIN PLATE, MATTE FINISH
000040" MIN. THICKNESS.
- ⚠ ALL POWER CONTACTS ARE NON HOT PLUG.
- ⚠ MOUNTING FLANGES ACCEPT M3 OR #4 SCREWS, (USER SUPPLIED).

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



REVISIONS			
EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	1/30/06

7. MODULE INFORMATION

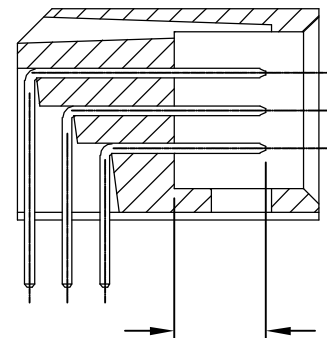
CONNECTOR	TYCO PART NUMBER	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	6646811-1	FP731	1	8	8	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [1.2953]	250 VOLTS
				22	6	.64 [1.025] SQ.	3 AMPERES	2.50 [1.0984]	125 VOLTS
				LEFT MOUNTING FLANGE					
				RIGHT MOUNTING FLANGE					
SOCKET	6646811-2	FP731	1	8	8	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [1.2953]	250 VOLTS
				22	6	.64 [1.025] SQ.	3 AMPERES	2.50 [1.0984]	125 VOLTS
				LEFT MOUNTING FLANGE					
				RIGHT MOUNTING FLANGE					

*IAW IEC-950

TYCO PART NUMBER
6646811-2
6646811-1

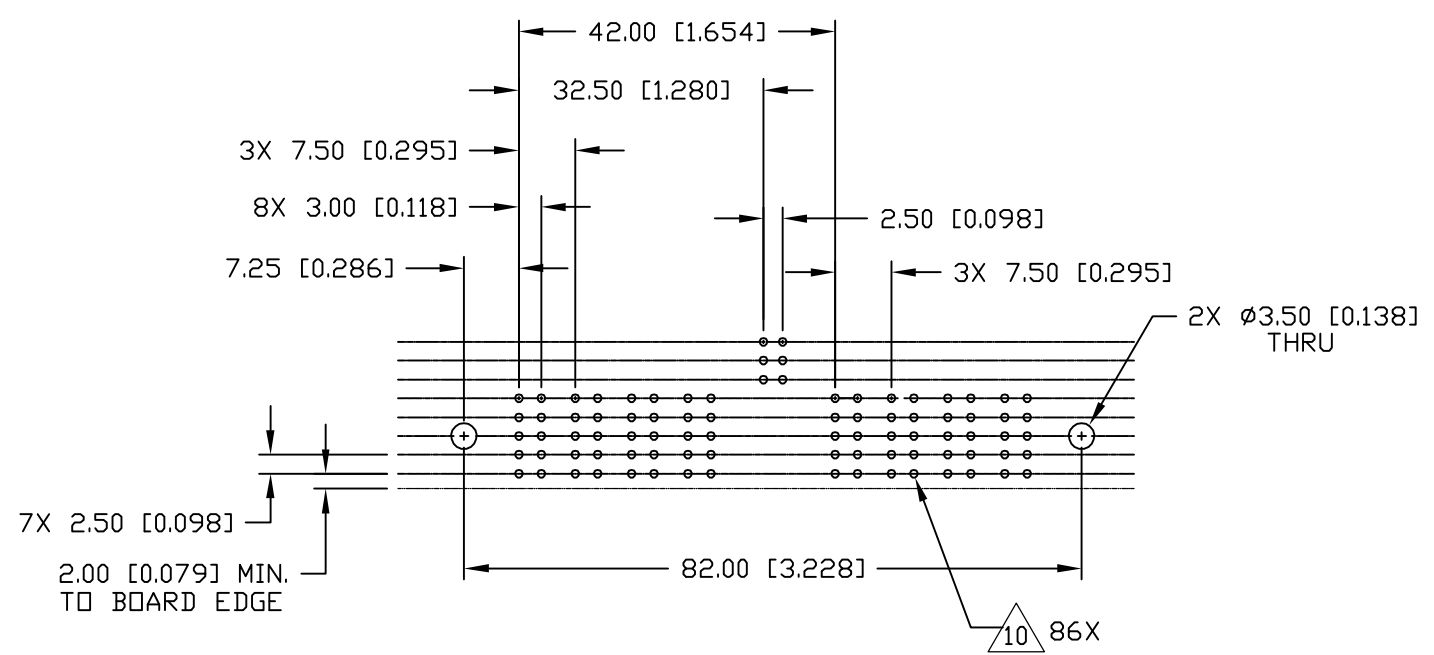
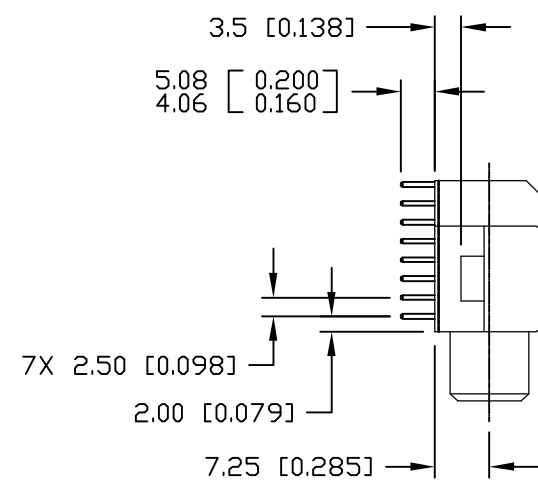
← MM INCH OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [1.010] .X ± .5 [1.020]	DRAWN R. F. A.	DATE 1/31/06	tyco Electronics Tyco Electronics Corporation Menlo Park, Ca 94025 ELCON	
	CHECKED		TITLE	
	APPROVED		SOCKET CONNECTOR, FLATPAQ RIGHT ANGLE, SOLDER AND COMPLIANT TAILS	
	APPROVED D. CHAU	1/31/06	SIZE B	DWG NUMBER C = 6646811
	DCA APPROVED		REV. A	
ACAD FILE NUMBER		C6646811A.DWG	DWG SCALE 1=1	SH 1 OF 4

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.



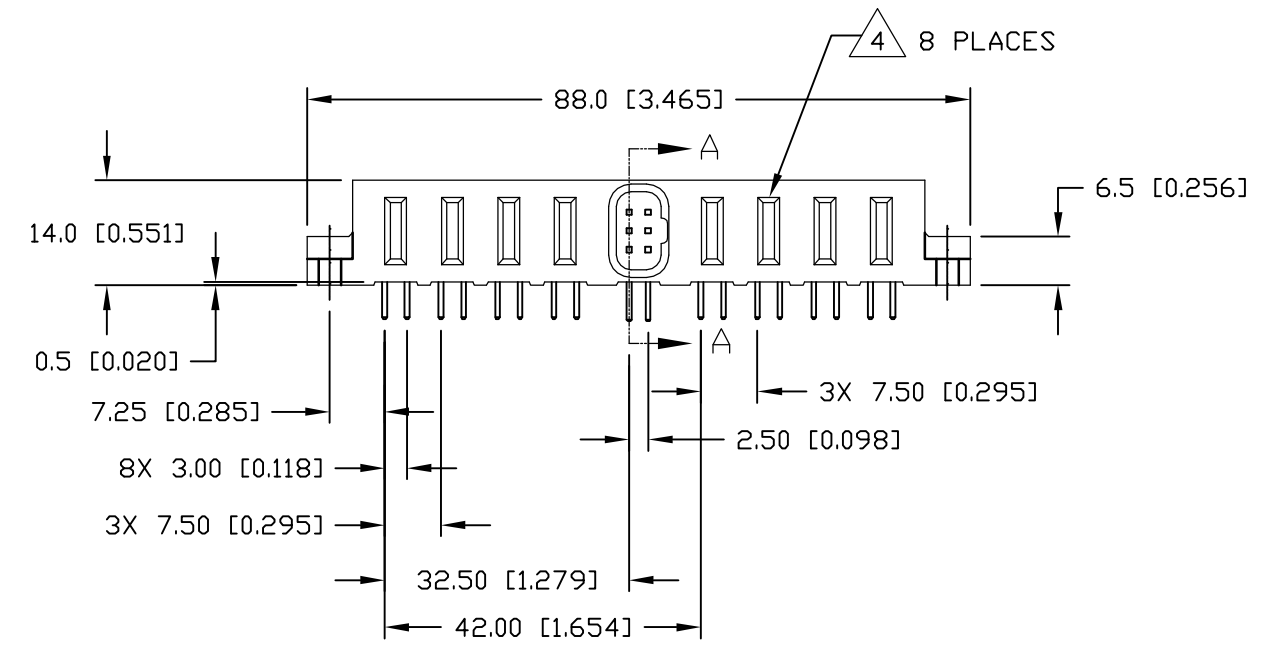
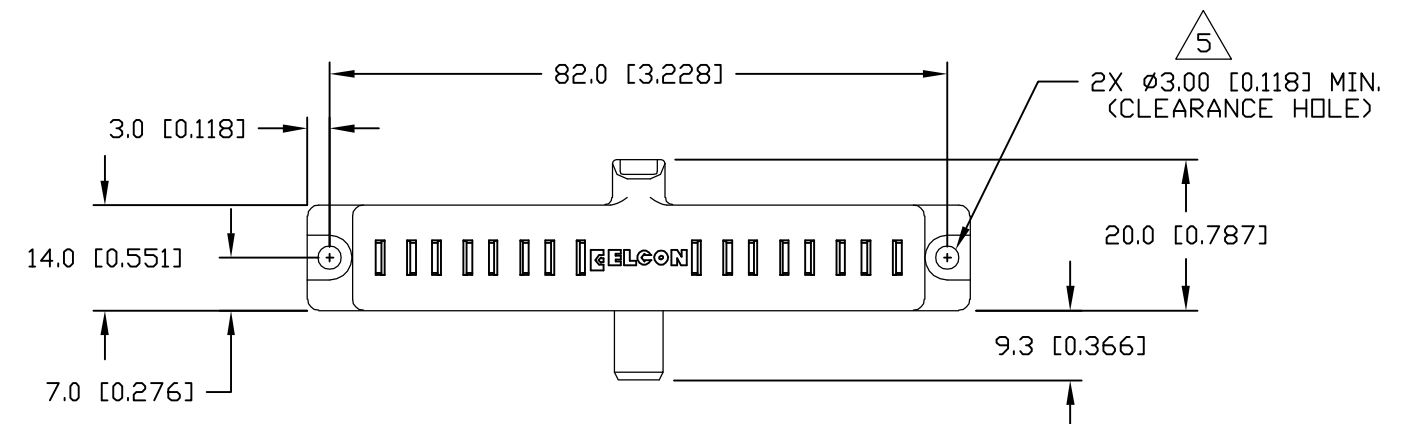
SECTION A-A

GENDER CHANGER NOT SHOWN FOR CLARITY



PRINTED CIRCUIT LAYOUT

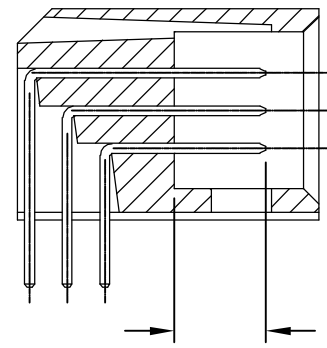
REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



TYCO PART NUMBER
6646811-1

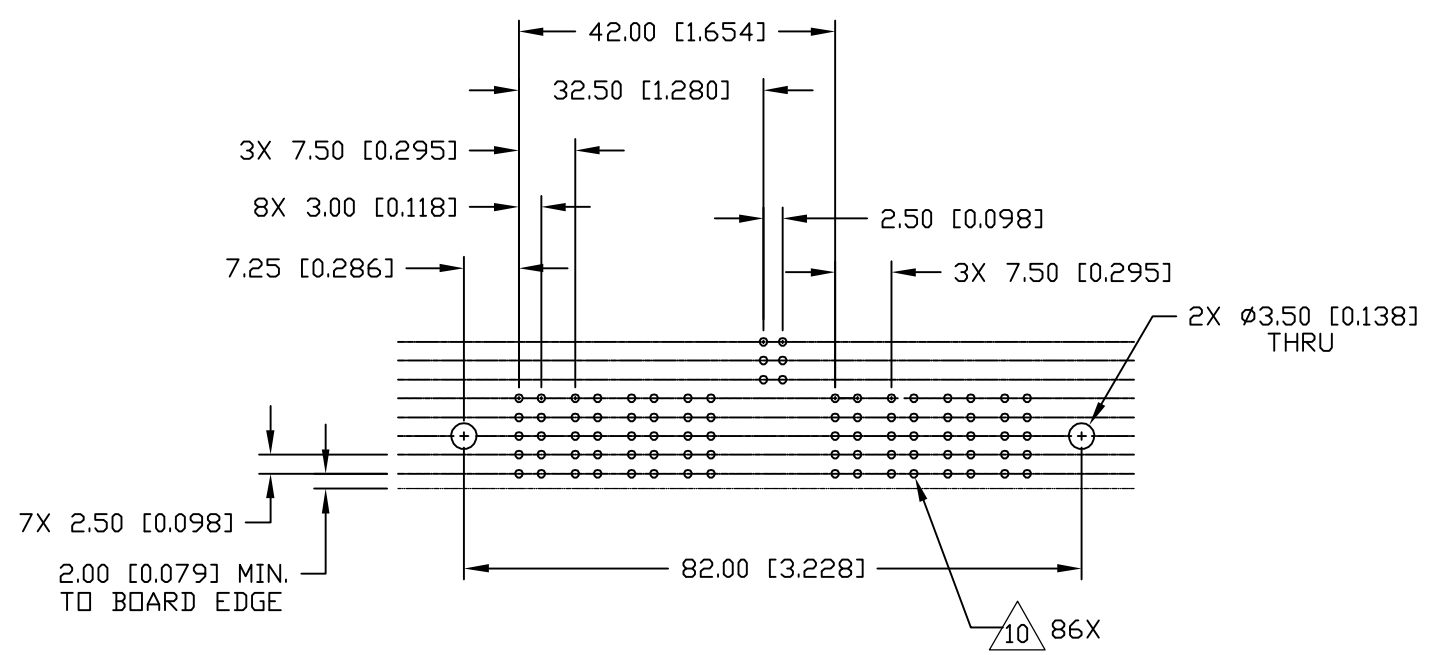
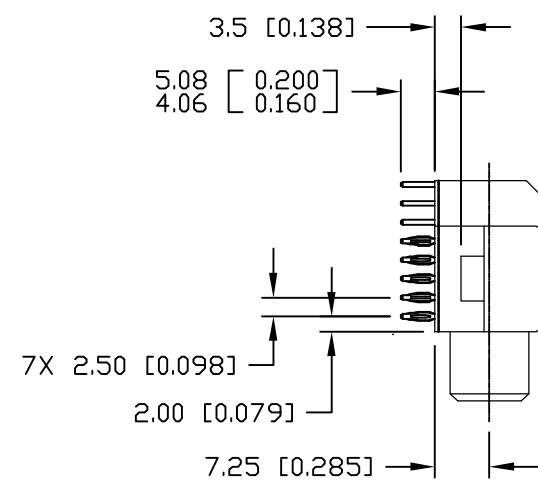
MM OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [0.010] .X ± .5 [0.020]	DRAWN R. F. A.	DATE 1/31/06	tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025 ELCON	
	CHECKED			
	APPROVED		TITLE SOCKET CONNECTOR, FLATPAQ RIGHT ANGLE, SOLDER TAILS	
	APPROVED D. CHAU	1/31/06		
	DCA APPROVED		SIZE B	DWG NUMBER C = 6646811
ACAD FILE NUMBER		C6646811A.DWG	DWG SCALE	1=1
			SH	2 OF 4

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.



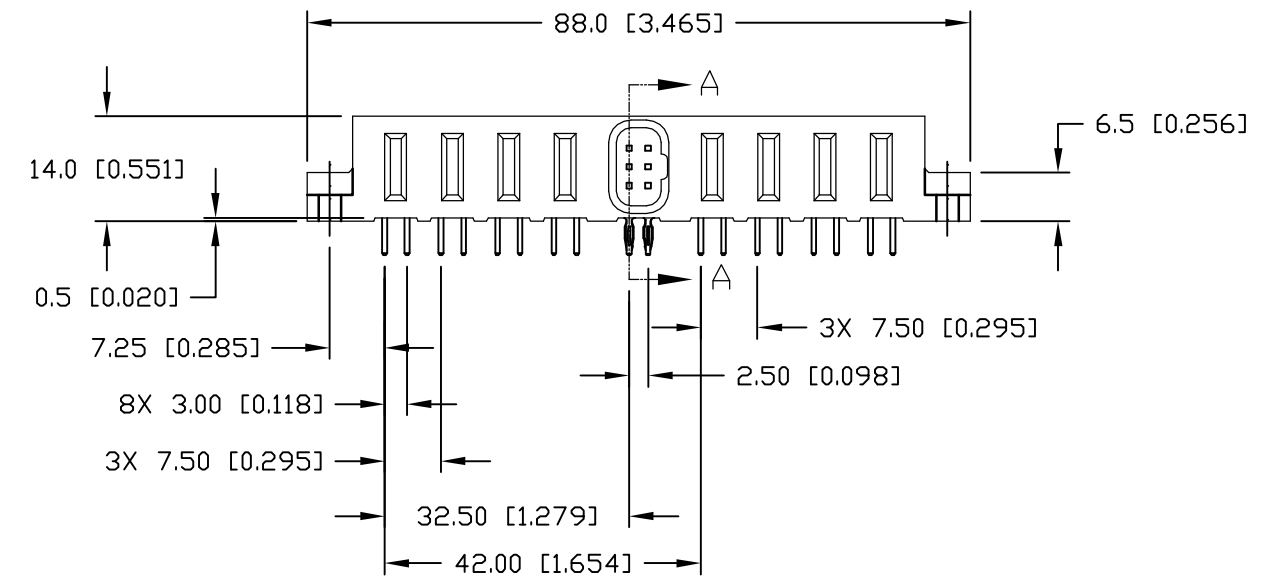
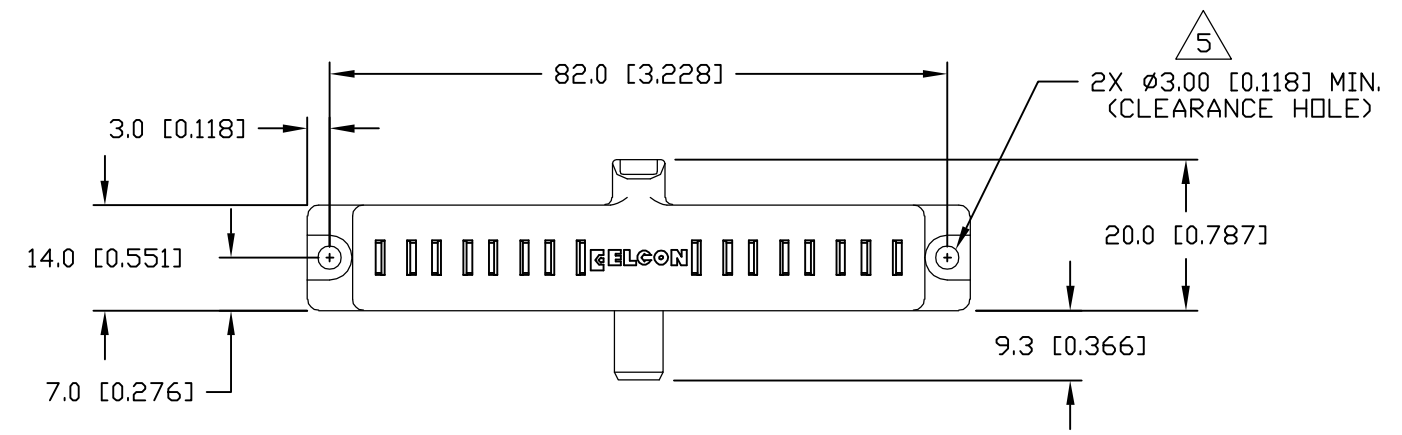
SECTION A-A

GENDER CHANGER NOT SHOWN FOR CLARITY



PRINTED CIRCUIT LAYOUT

REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	



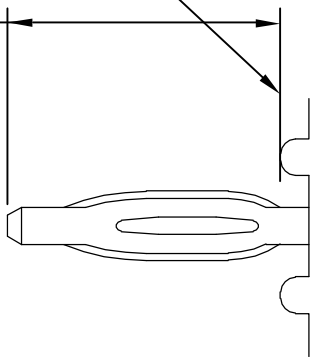
TYCO PART NUMBER
6646811-2

MM OR MM [INCH] 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 1/31/06	tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025 ELCON	
	CHECKED		TITLE	
	APPROVED		SOCKET CONNECTOR, FLATPAQ RIGHT ANGLE, COMPLIANT TAILS	
	APPROVED D. CHAU	1/31/06	SIZE B	DWG NUMBER C = 6646811
	DCA APPROVED		REV. A	
ACAD FILE NUMBER		C6646811A.DWG		DWG SCALE 1=1 SH 3 OF 4

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.

P.C. BOARD
SURFACE (REF)

5.08 [0.200]
4.06 [0.160]



8. COMPLIANT PIN DETAIL

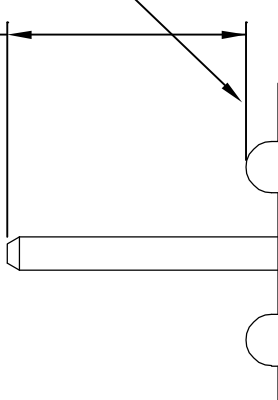
INSERTION/EXTRACTION FORCES

MAXIMUM PUSH-IN: 133.3N PER PIN
[30 LBS]

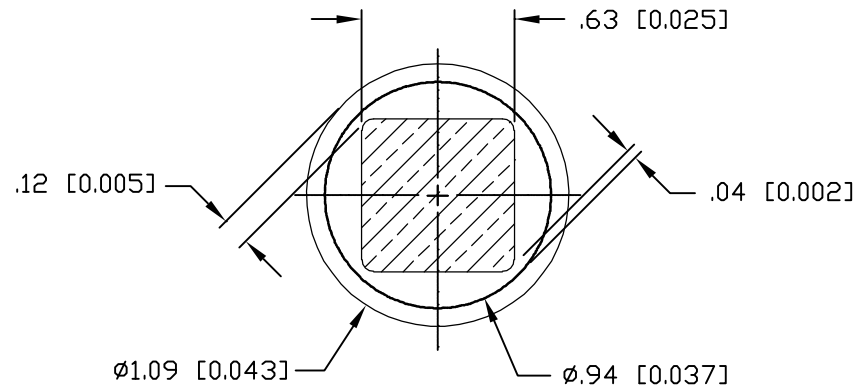
MINIMUM PUSH-OUT: 44.4N PER PIN
[10 LBS]

P.C. BOARD
SURFACE REF

5.08 [0.200]
4.06 [0.160]



9. SOLDER PIN DETAIL



10

SOLDER TERMINATION AREA

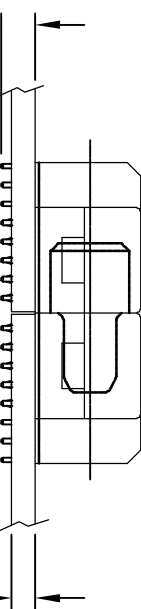
RECOMMENDED PRINTED CIRCUIT HOLE

DRILLED HOLE: $\phi 1.15$ [0.0453] ± 0.13 [0.005]

COPPER PLATE: .025-.050 [0.001-.002] MINIMUM (PER SURFACE)

TIN PLATE: .0005 [0.0002] MINIMUM (PER SURFACE)

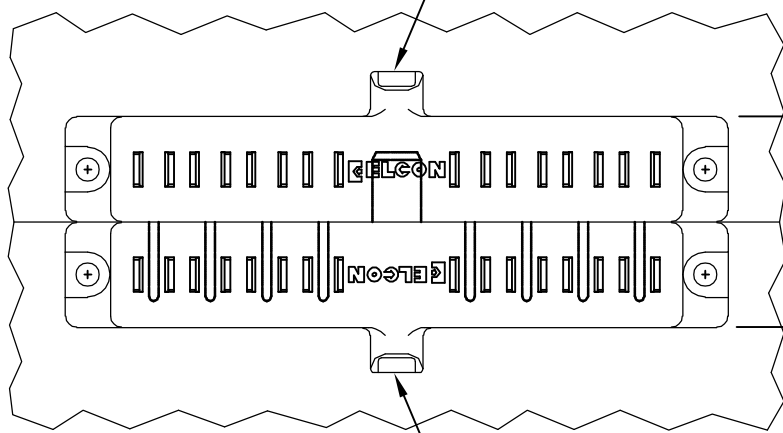
5.08 [0.200]
4.06 [0.160]



X.XX [X.XXX]

PIN SIDE

279-0565-00100/-00300



14.0 [0.551]

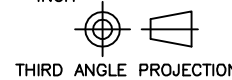
14.0 [0.551]

SOCKET SIDE

279-0565-00200/-00400

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.

CHECKED

APPROVED

APPROVED

D. CHAU

DCA APPROVED

ACAD FILE NUMBER

DATE
1/31/06

CHECKED

APPROVED

APPROVED

D. CHAU

DCA APPROVED

ACAD FILE NUMBER

tyco
Electronics

Tyco Electronics Corporation
Menlo Park, Ca 94025

ELCON

TITLE

USER INFORMATION
SOLDER & COMPLIANT TAIL TERMINATION
AND MATED CONDITION

SIZE

DWG NUMBER

B

C = 6646811

REV.

A

C6646811A.DWG

DWG SCALE 1=1

SH 4 OF 4

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[6646811-2](#)