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REVISIONS			
EC	REV	DESCRIPTION	DATE
CPR	A	NEW RELEASE	1/26/06

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	6646615-1	FP0200	10	8	10	1.25 X 7.00 [.049 X .276]	45 AMPERES	7.50 [.2953]	250 VOLTS
		FP0515	1	ACTIVE STRAIGHT GUIDE PIN					

*IAW IEC-950

NOTES: UNLESS OTHERWISE SPECIFIED.

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TYCO APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
2. MATERIALS:

INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR BLACK. UL94V-0 FLAMMABILITY RATED.

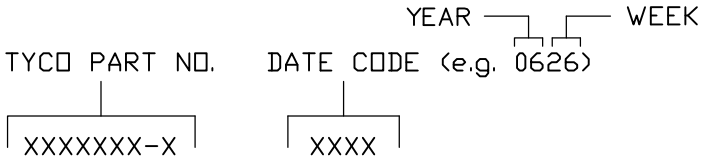
POWER CONTACTS: PHOSPHOR BRONZE ALLOY,

GUIDE PIN: BRASS COPPER ALLOY.
3. FINISHES:

CONTACTS: GOLD PLATE .000030" MIN. THK, OVER NICKEL .000040" MIN. THICK

TERMINALS: TIN PLATE, MATTE FINISH 000040" MIN. THICK

GUIDE PIN: NICKEL PLATE
4. ACTIVE GUDE PINS ACCEPT M3 SCREWS, (USER SUPPLIED).
5. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:



MM
INCH

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.

CHECKED

APPROVED

APPROVED
D. CHAU

DCA APPROVED

ACAD FILE NUMBER

DATE
1/26/06

1/26/06

1/26/06

C6646615A.DWG

tyco
Electronics

Tyco Electronics Corporation
Menlo Park, Ca 94025

ELCON

TITLE

SOCKET CONNECTOR, FLATPAQ
STRAIGHT, COMPLIANT TAILS

SIZE
B

DWG NUMBER

C = 6646615

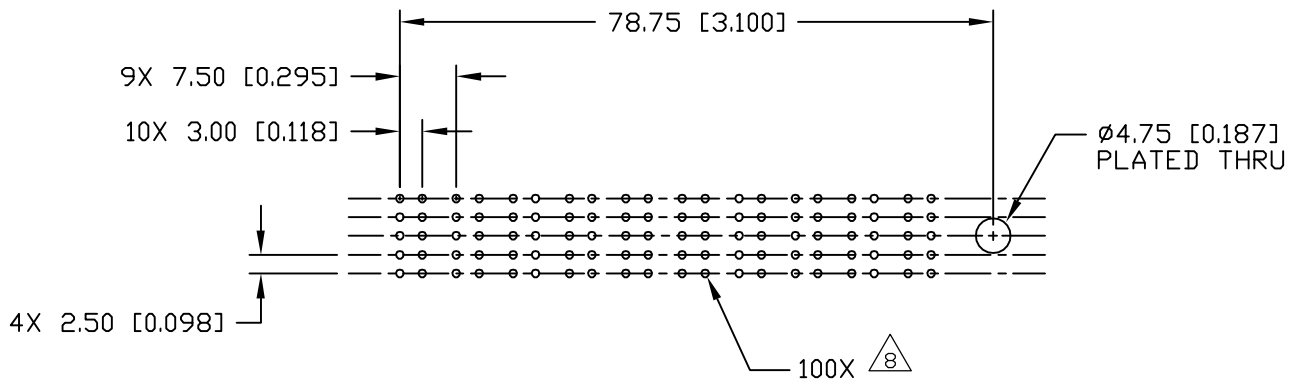
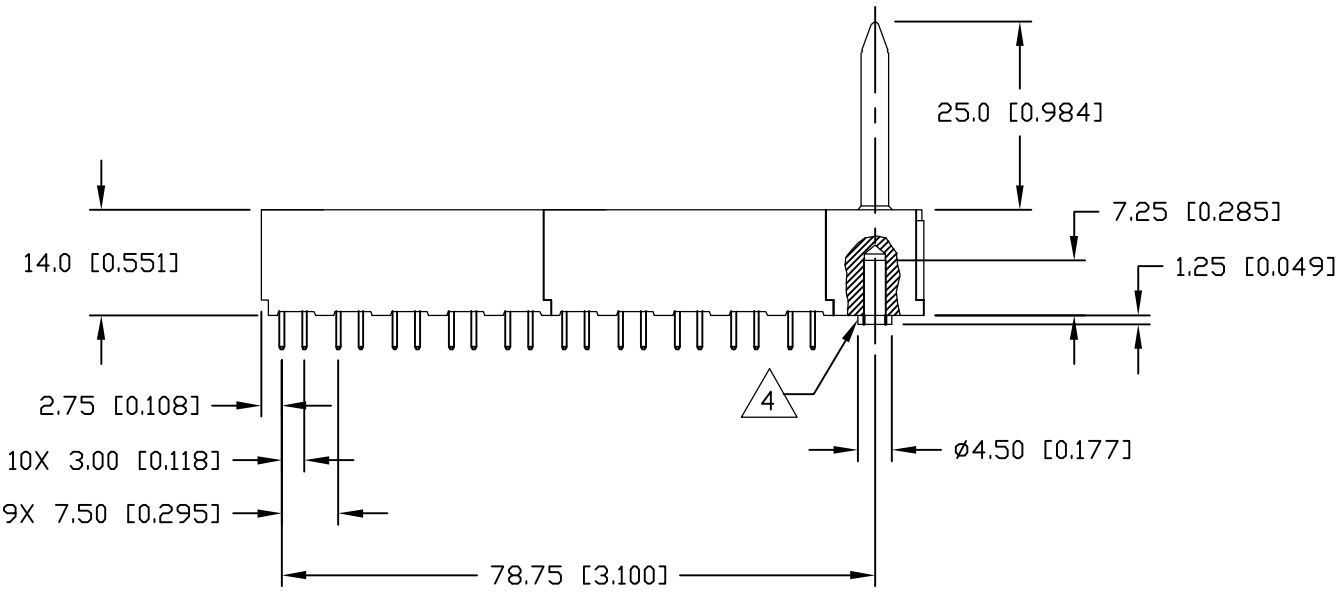
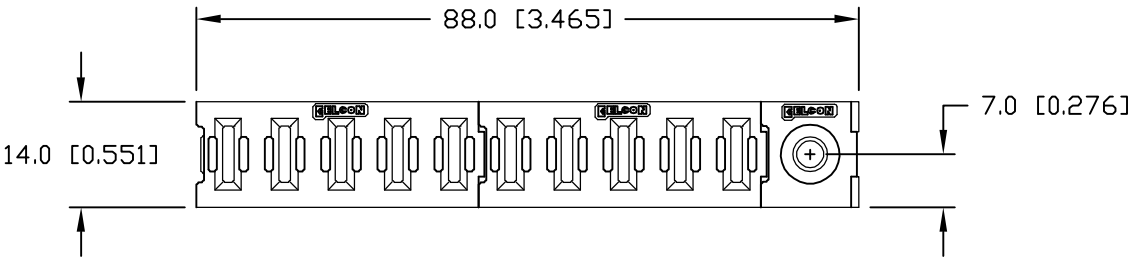
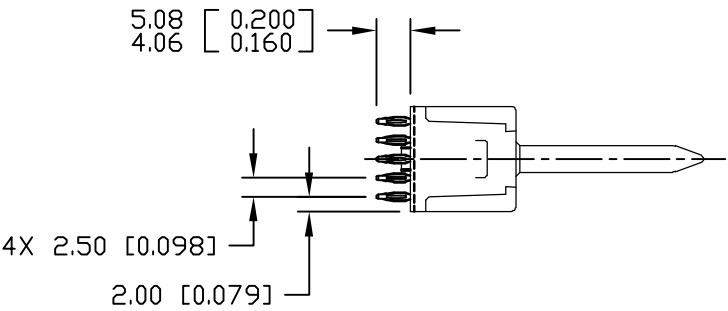
REV.
A

DWG SCALE 1=1

SH 1 OF 3

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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

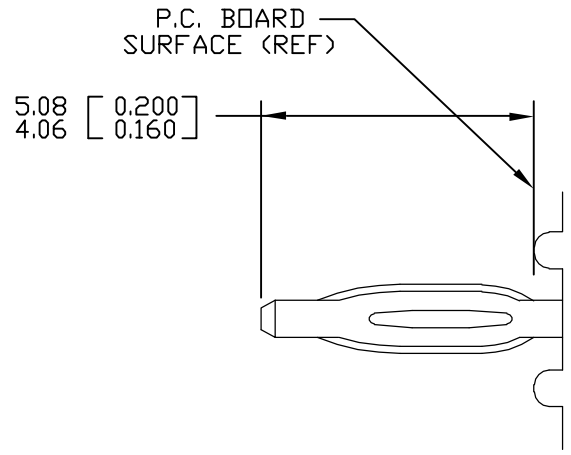


PRINTED CIRCUIT LAYOUT

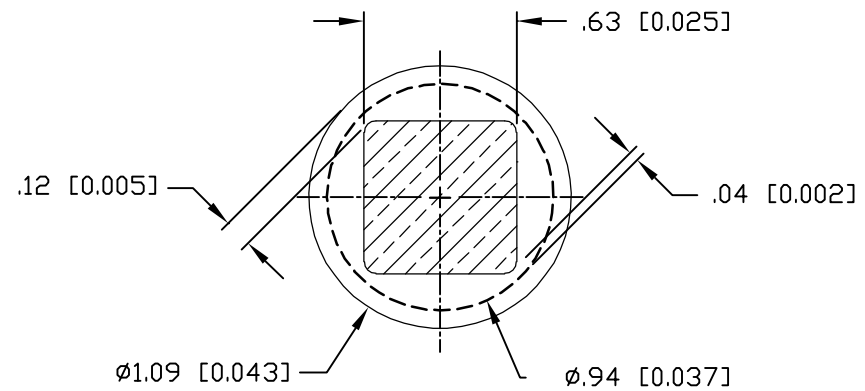
← MM INCH THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [0.010] .X ± .5 [0.020]	DRAWN R. F. A.	DATE 1/26/06	tyco Tyco Electronics Corporation Electronics Menlo Park, Ca 94025 ELCON	
	CHECKED		TITLE SOCKET CONNECTOR, FLATPAQ STRAIGHT, COMPLIANT TAILS	
	APPROVED		SIZE B	
	APPROVED D. CHAU	1/26/06	DWG NUMBER C = 6646615	
ACAD FILE NUMBER		C6646615A.DWG	DWG SCALE 1=1	REV. A
			SH 2 OF 3	

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REVISIONS			
EC	REV	DESCRIPTION	DATE
		SEE SHEET 1	

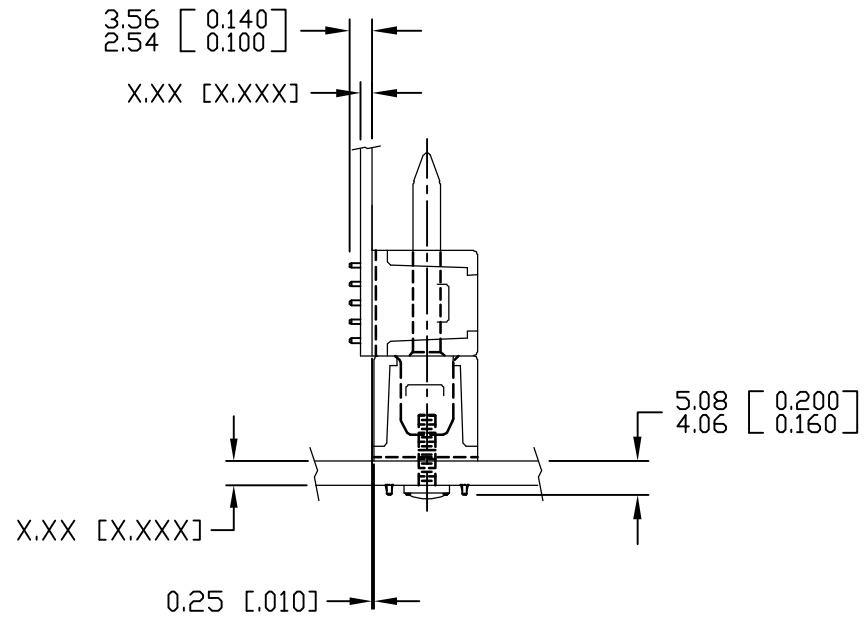


7. COMPLIANT PIN DETAIL
INSERTION/EXTRACTION FORCES
MAXIMUM PUSH-IN: 133.3N PER PIN
[30 LBS]
MINIMUM PUSH-OUT: 44.4N PER PIN
[10 LBS]

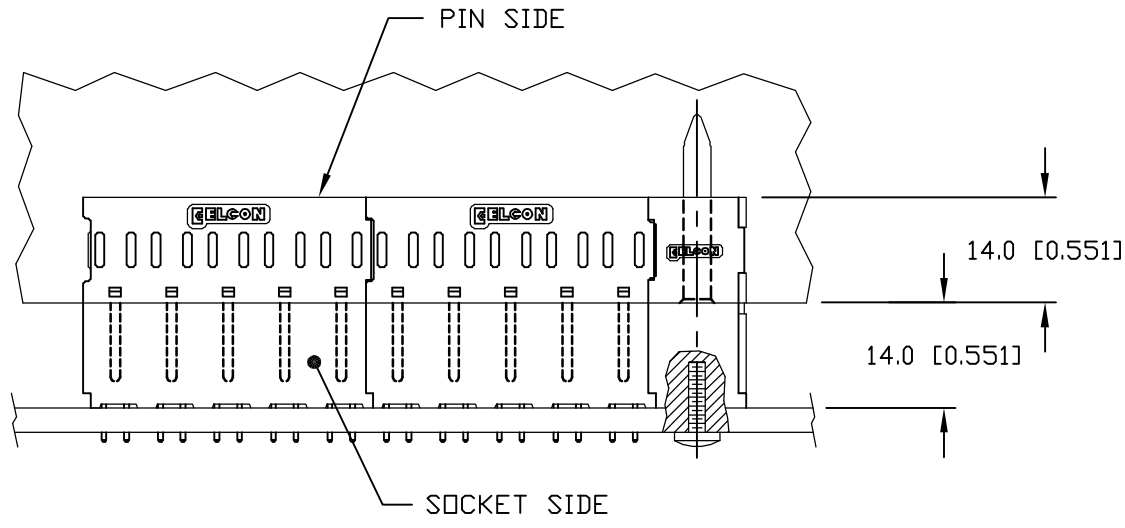


8. SOLDER TERMINATION AREA
RECOMMENDED PRINTED CIRCUIT HOLE

DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]
COPPER PLATE: .025-.050 [0.001-.002] (PER SURFACE)
TIN PLATE: .0005 [0.00002] (PER SURFACE)



MATED CONDITION



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 1/26/06	Tyco Electronics Corporation Menlo Park, Ca 94025	
	CHECKED		TITLE	
	APPROVED		USER INFORMATION COMPLIANT TAIL TERMINATION AND MATED CONDITION	
	APPROVED D. CHAU	1/26/06	SIZE B	DWG NUMBER C = 6646615
	DCA APPROVED		REV. A	
ACAD FILE NUMBER C6646615A.DWG		DWG SCALE 1=1		SH 3 OF 3

Mouser Electronics

Authorized Distributor

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[6646615-1](#)