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LOC

DIST

GP00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	C	REV PER ECO-10-020831	15SEPT2011	RG	MS

7. MODULE INFORMATION

CONNECTOR	CATALOG MODULE #	QTY	SIZE NO.	CONTACT QTY	MATING PIN	MAX. CURRENT (PER CONTACT)	CONTACT SPACING	VOLTAGE RATING*
SOCKET	FP0100	2	8	8	1.25 X 7.00 [.049 X .276]	35 AMPERES	7.50 [.2953]	250 VOLTS
	FP0301	1	22	24	.64 [.025] SQ.	3 AMPERES	2.50 [.0984]	125 VOLTS
	FP0515	2	ACTIVE STRAIGHT GUIDE PIN					
	FP500	1	LEFT MOUNTING FLANGE					
	FP501	1	RIGHT MOUNTING FLANGE					

1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TE 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: COPPER ALLOY.

GUIDE PIN: BRASS COPPER ALLOY.

3. FINISHES:

CONTACTS: GOLD PLATE .000030" MIN. THK, OVER NICKEL .000050" MIN. THK.

TERMINALS: TIN PLATE, MATTE FINISH 000100" MIN. THK. OVER NICKEL .00005 MIN THK.

GUIDE PIN: SILVER PLATE, .000200 MIN THK OVER NICKEL. .000050 MIN THICK..

4. ACTIVE GUDE PINS ACCEPT M3 SCREWS, (USER SUPPLIED).

5. MOUNTING FLANGES ACCEPT M3 OR 4-40 SCREWS, (USER SUPPLIED).

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

TE PART NO.

DATE CODE (e.g. 0603)

YEAR

WEEK

XXXXXXXX-X

XXXX

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± .5 [.020]
2 PLC ± .25 [.010]
3 PLC ± -
4 PLC ± -
ANGLES ± .5
FINISH -

DWN
G.PETERS
27DEC2006

CHK
S.FLICKINGER
27DEC2006

APVD
S.FLICKINGER
27DEC2006

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

NAME
SOCKET CONNECTOR, FLATPAQ
STRAIGHT, SOLDER TAILS

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-6646597

RESTRICTED TO
-

SCALE
1:1

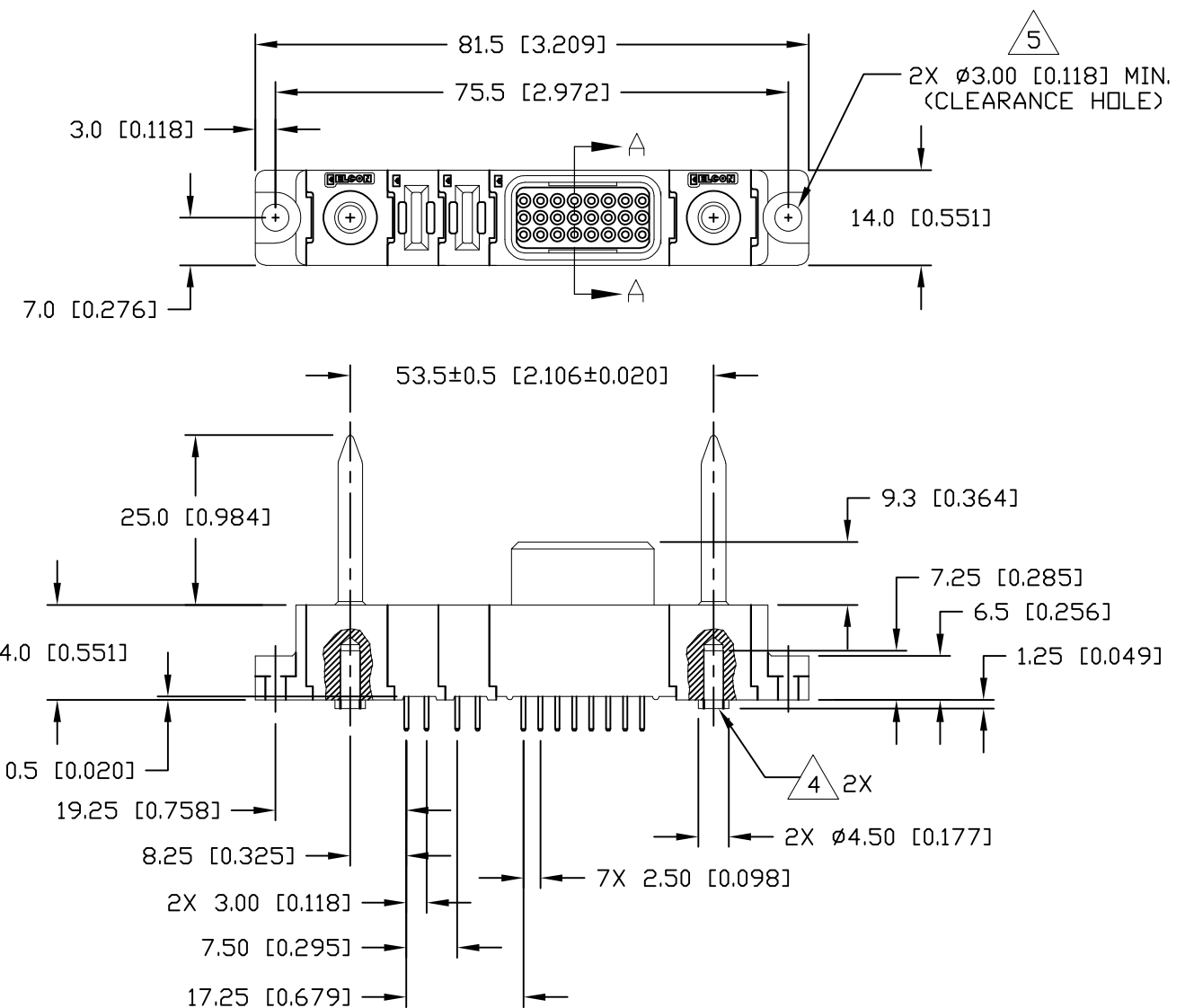
SHEET
1 OF 3

REV
C

TE PART NUMBER

6646597-1

1470-19 (3/11)



CUSTOMER DRAWING

CUSTOMER DRAWING

REV	C
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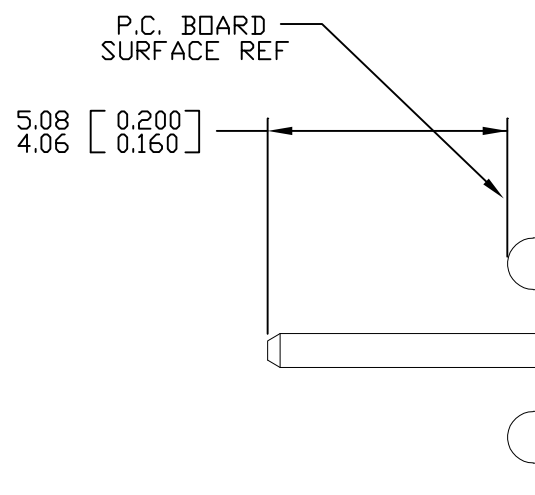
-

SEE SHEET 1

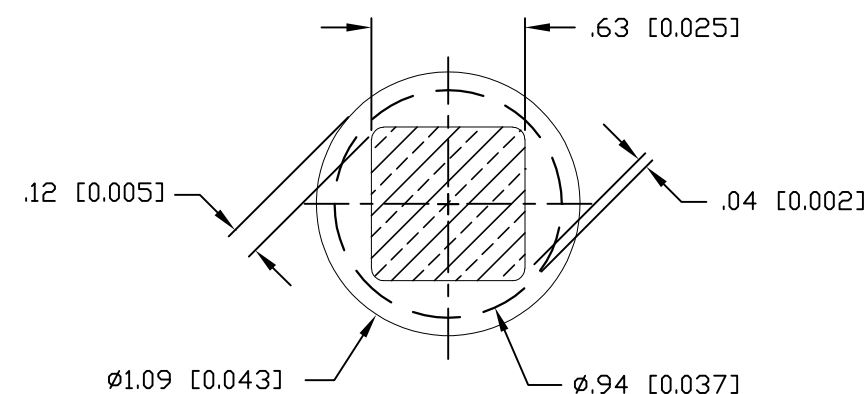
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8. SOLDER PIN DETAIL



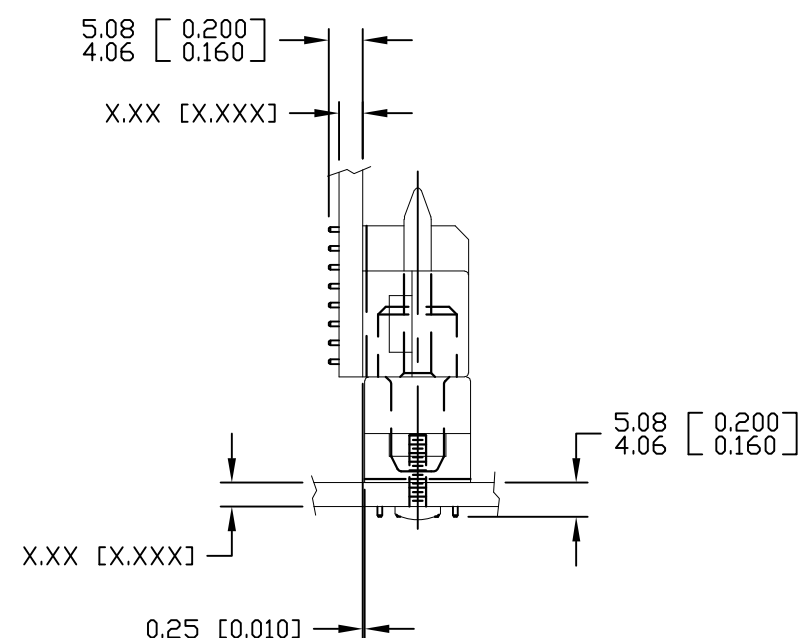
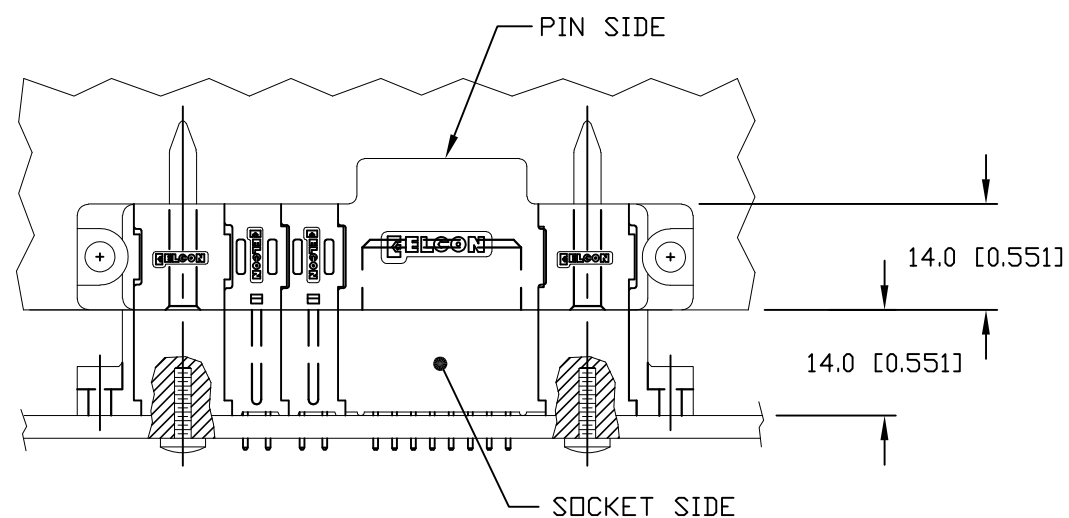
9 SOLDER TERMINATION AREA

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-.050 [0.001-.002] MINIMUM (PER SURFACE)

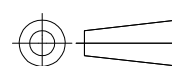
TIN PLATE: .0005 [0.00002] MINIMUM (PER SURFACE)

MATED CONDITION
MATES WITH 6648000-1

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DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	$\pm$ -
1 PLC	$\pm .5$ [0.020]
2 PLC	$\pm .25$ [0.010]
3 PLC	$\pm$ -
4 PLC	$\pm$ -
ANGLES	$\pm .5$

MATERIAL

FINISH

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CUSTOMER DRAWING

SCALE 1:1

SHEET 3 OF 3

REV C