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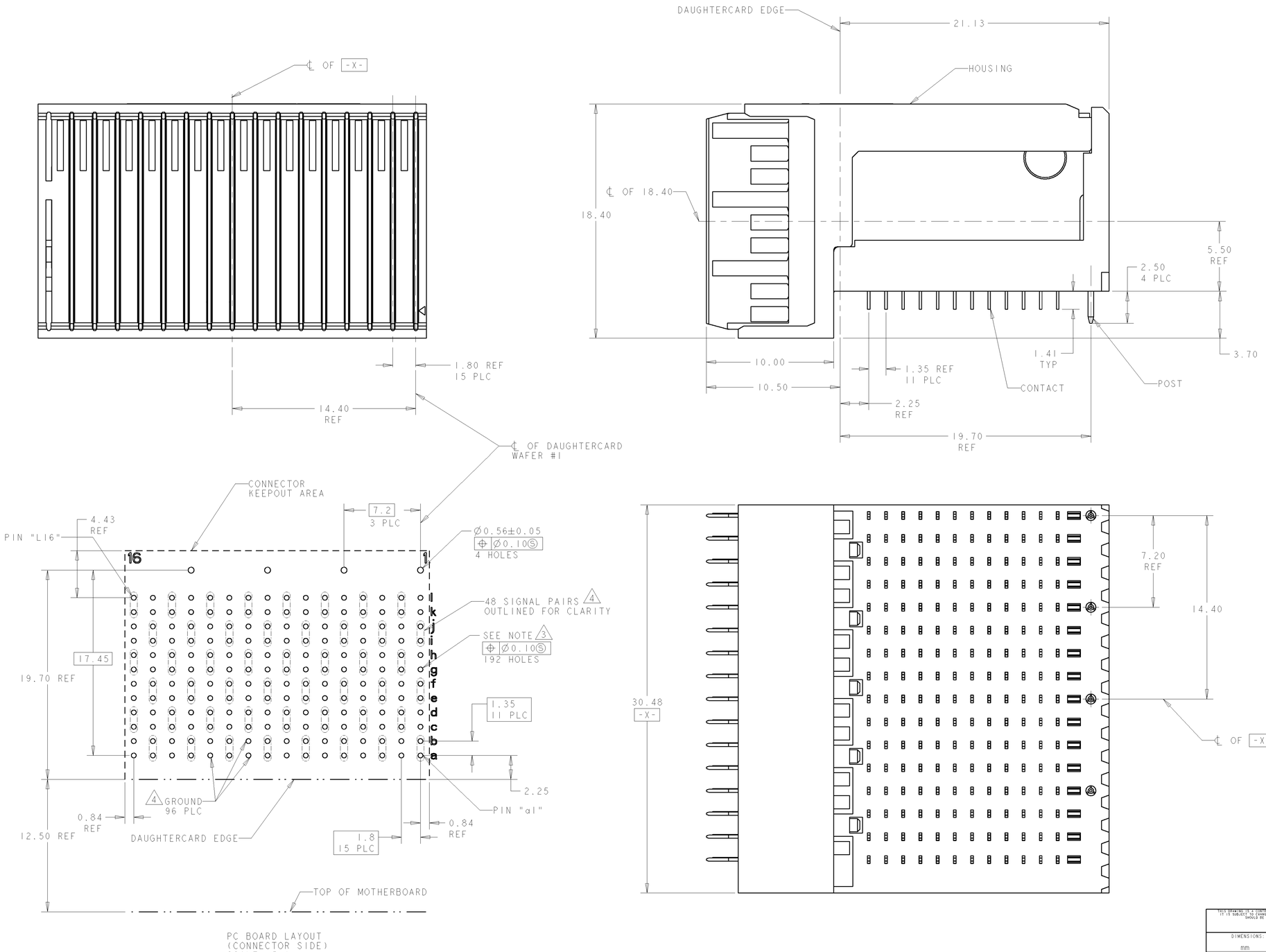
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REV PER ECO-06-005380	14MAR2006	BC	GG
	B	REV PER ECO-06-013397	06JUN2006	RT	GG
	B1	REV PER ECO-07-013397	30AUG2007	BC	RP



PC BOARD LAYOUT
(CONNECTOR SIDE)
SCALE 5:1

1. HOUSING: LCP, UL94V0, COLOR: BLACK.
   CONTACT: PHOSPHOR BRONZE.
   POST: BRASS WIRE

2. CONTACT: 0.76µm MIN GOLD IN CONTACT AREA.
   0.5µm MIN TIN-LEAD ON COMPLIANT PORTION
   OF PCB TAIL OVER 1.27µm MIN NICKEL OVER ALL.
   POST: 1.27µm MIN NICKEL PLATED.

3. MANUFACTURING TOLERANCE FOR Ø0.46± 0.05
   DIAMETER FINISHED HOLE WITH Sn /PB PLATING:

   DRILLED HOLE = Ø0.55±0.02

   COPPER PLATING = 0.025-0.050

   Sn PB PLATING = 0.0038-0.0124

   OR

   Ø0.475± 0.05 FINISHED HOLE WITHOUT Sn /PB PLATING:

   DRILLED HOLE = Ø0.55±0.02

   COPPER PLATING = 0.025-0.050

4. SEE TABLE I FOR INTERCONNECTIONS TO
   BACKPLANE CONNECTOR.

5. CONTACT: 0.76µm MIN GOLD IN CONTACT AREA.
   0.5µm MIN TIN ON COMPLIANT PORTION
   OF PCB TAIL OVER 1.27µm MIN NICKEL OVER ALL.
   POST: 1.27µm MIN NICKEL PLATED.

TABLE I
INTERCONNECTIONS WITH BACKPLANE CONNECTOR 1410142

TYPICAL INTERCONNECTIONS FOR EACH EVEN-NUMBERED COLUMN (WAFER): 2,4,6,8,10,12,14,16		
CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
SIGNAL PAIR	cx	bx
	dx	cx
SIGNAL PAIR	gx	ex
	hx	fx
SIGNAL PAIR	kx	hx
	lx	ix
GROUNDS	ax, bx, ex, fx, ix, jx (ALL COMMONED)	ax, dx, gx

TYPICAL INTERCONNECTIONS FOR EACH ODD-NUMBERED COLUMN (WAFER): 1,3,5,7,9,11,13,15		
CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
SIGNAL PAIR	ax	ax
	bx	bx
SIGNAL PAIR	ex	dx
	fx	ex
SIGNAL PAIR	ix	gx
	jx	hx
GROUNDS	cx, dx, gx, hx, kx, lx (ALL COMMONED)	cx, fx, ix

NOTE: "x" DESIGNATES THE COLUMN NUMBER

5	1410139-2
2	1410139-1
PLATING	PART NO

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.13
3 PLC ±-
4 PLC ±-
ANGLES ±1°0'

MATERIAL -1
FINISH -2

DWN	R. TREA	14NOV2002
CHK	J. CONSOLI	18NOV2002
APVD	G. GRIFFITH	14MAR2006
PRODUCT SPEC	108-2072	
APPLICATION SPEC	114-13056	
WEIGHT	-	

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME: RIGHT-ANGLE PLUG ASSEMBLY
RIGHT END, 20.3mm, MULTIGIG RT2,
DAUGHTERCARD CONNECTOR, DIFFERENTIAL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1410139	-

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV B1