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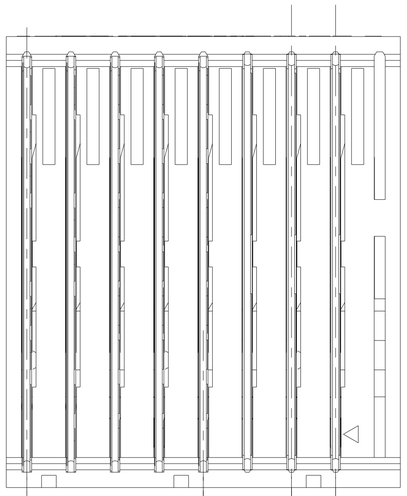
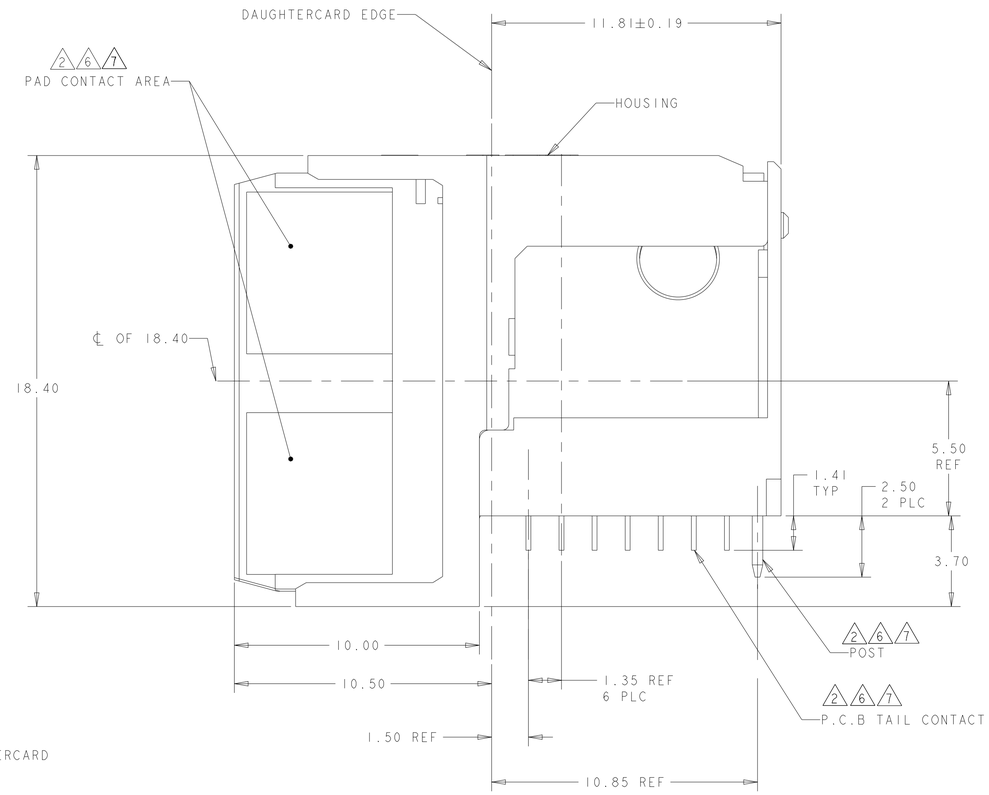
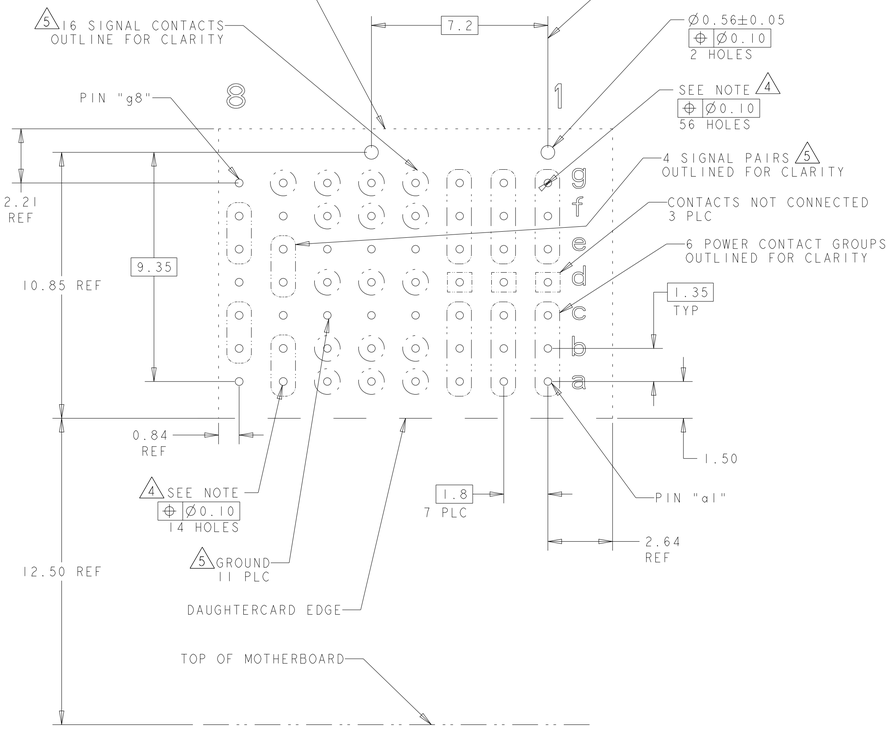
REVISIONS

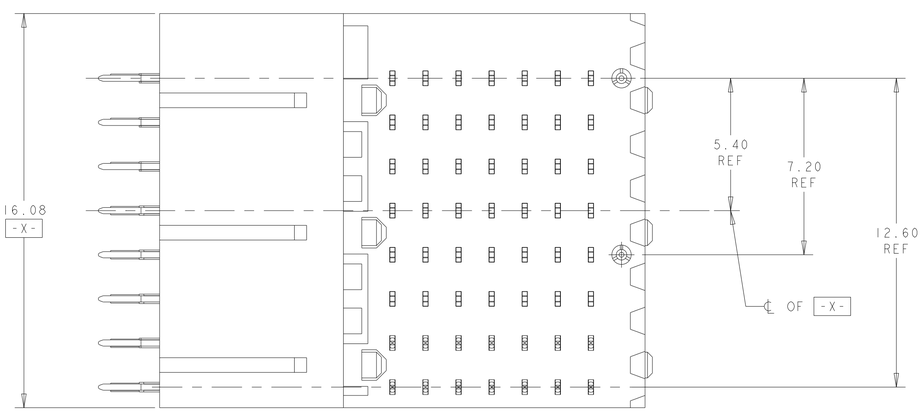
P	LTR	DESCRIPTION	DATE	DWN	APVD
	C	REV PER ECO-21-003080	19OCT2021	LN	DH







PC BOARD LAYOUT
(CONNECTOR SIDE)
SCALE 8:1



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

2. CONTACT: 1.27µm MIN GOLD IN PAD CONTACT AREA, 1.27µm MIN TIN-LEAD (93/7) ON PCB TAIL OVER 1.27µm MIN. NICKEL OVER ALL.
POST: 1.27µm MIN NICKEL PLATED.

3. PLATED THROUGH HOLE PER TE SPEC 114-13056, FIGURE 4.

4. PLATED THRU HOLE SPECIFICATION:
DRILLED HOLE: COLUMNS 1-6: Ø0.55±0.02; COLUMNS 7-8: Ø0.40±0.02
0.025-0.050 THICK COPPER PLATING (MAX HARDNESS 150 KNOOP)
FINISH OPTIONS:
0.0038-0.0124 HOT AIR SOLDER LEVELING (HASL) TIN-LEAD (SnPb)
0.0005-0.004 IMMERSION TIN (Sn)
0.0002-0.0005 ORGANIC SOLDERABILITY PRESERVATIVE (OSP)
0.0001-0.0005 IMMERSION SILVER (Ag)
0.0001-0.0005 IMMERSION GOLD OVER 0.00127-0.0076 NICKEL (ENIG)
FINISH HOLE DIAMETER AFTER PLATING = COLUMNS 1-6: Ø0.46 REF
COLUMNS 7-8: Ø0.32 REF

5. SEE TABLE 1 FOR INTERCONNECTIONS TO BACKPLANE CONNECTOR.

6. CONTACT: 1.27µm MIN GOLD IN PAD CONTACT AREA, 1.27µm MIN TIN ON PCB TAIL OVER 1.27µm MIN. NICKEL OVER ALL.
POST: 1.27µm MIN NICKEL PLATED.

7. CONTACT: 1.27µm MIN GOLD IN PAD CONTACT AREA, 1.27µm MIN TIN-LEAD (60/40) ON PCB TAIL OVER 1.27µm MIN. NICKEL OVER ALL.
POST: 1.27µm MIN NICKEL PLATED.

TABLE 1
INTERCONNECTIONS WITH BACKPLANE CONNECTOR 2302788-1

TYPICAL INTERCONNECTIONS FOR COLUMN (WAFER): 8

CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
SIGNAL PAIR	bx	cx
	cx	dx
SIGNAL PAIR	ex	gx
	fx	hx
GROUNDS	ax, dx, gx, (ALL COMMONED)	ax, bx, ex, fx, ix

TYPICAL INTERCONNECTIONS FOR COLUMN (WAFER): 7

CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
SIGNAL PAIR	ax	ax
	bx	bx
SIGNAL PAIR	dx	ex
	ex	fx
SIGNAL	gx	ix
GROUNDS	cx, fx (ALL COMMONED)	cx, dx, gx, hx

TYPICAL INTERCONNECTIONS FOR EACH COLUMN (WAFER): 4,5,6

CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
SIGNAL	ax	bx
SIGNAL	bx	cx
SIGNAL	dx	ex
SIGNAL	fx	gx
SIGNAL	gx	hx
GROUNDS	cx, ex, (ALL COMMONED)	ax, dx, fx, ix

TYPICAL INTERCONNECTIONS FOR EACH COLUMN (WAFER): 1,2,3

CONTACT USAGE	DAUGHTERCARD CONNECTOR PIN	BACKPLANE CONNECTOR PIN
POWER	ax, bx, cx	ax, bx, cx, dx
POWER	ex, fx, gx	fx, gx, hx, ix
NOT CONNECTED	dx	ex

NOTE: "x" DESIGNATES THE COLUMN NUMBER

8	7	6	5	4	3	2	1	
			P			P		
3	3	2	2	2	2	2	2	g
3	3	2	2	2	2	2	2	f
3	3	2	2	2	2	2	2	e
3	3	2	2	2	2	2	2	d
3	3	2	2	2	2	2	2	c
3	3	2	2	2	2	2	2	b
3	3	2	2	2	2	2	2	a

2 = RT2 CONTACT (SEE NOTE 3)

3 = RT3 CONTACT (SEE NOTE 4)
P = POST

7	2332816-3
6	2332816-2
2	2332816-1
PLATING	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

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 SEE TABLE

DWN D. BELACK 16OCT2018
CHK A. TSANG 16OCT2018
APVD D. HOANG 16OCT2018
PRODUCT SPEC 108-2072-3
APPLICATION SPEC 114-163004
WEIGHT 5.41g

TE Connectivity

NAME RIGHT-ANGLE PLUG ASSEMBLY, 7 ROW, LEFT END, VPX, MULTIGIG RT 3

SIZE A1 CAGE CODE 00779 DRAWING NO C-2332816 RESTRICTED TO

RESTRICTED CUSTOMER SCALE 5:1 SHEET 1 OF 1 REV C

4805 (3/13)