

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER ECO-21-003080	08OCT2021	LN	DH

- 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 THRU HOLE SPECIFICATION:
DRILLED HOLE: 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 = Ø0.31 REF
- 4

SEE TABLE 1 FOR INTERCONNECTIONS TO
BACKPLANE CONNECTOR.
- 5

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.
- 6

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 2302789-1

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	bx	cx
	cx	dx
SIGNAL PAIR	ex	gx
	fx	hx
GROUND	ax, dx, gx, (ALL COMMONED)	ax, bx, ex, fx, ix

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	dx	ex
	ex	fx
SIGNAL	gx	ix
GROUND	cx, fx (ALL COMMONED)	cx, dx, gx, hx

NOTE: "x" DESIGNATES THE COLUMN NUMBER

6	2302785-3
5	2302785-2
2	2302785-1
PLATING	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
A. MILLER
CHK
A. TSANG
APVD

09AUG2016
09AUG2016

DIMENSIONS:

mm

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC
ANGLES
FINISH

±
±0.5
±0.13
±
±1°0'

MATERIAL

SEE TABLE

PRODUCT SPEC
108-2072-3
APPLICATION SPEC
114-163004
WEIGHT
10.33g
RESTRICTED CUSTOMER

CAGE CODE
DRAWING NO
114-163004
100779

NAME
RIGHT-ANGLE PLUG ASSEMBLY,
7 ROW, CENTER,
VPX, MULTIGIG RT 3
C=2302785

SIZE
CAGE CODE
DRAWING NO
114-163004
100779

RESTRICTED TO

SCALE
6:1

SHEET
1

OF
1

REV
B

TE TE Connectivity

RIGHT-ANGLE PLUG ASSEMBLY,
7 ROW, CENTER,
VPX, MULTIGIG RT 3

Top view of the PC board layout. Key features include: DAUGHTERCARD EDGE, HOUSING, PAD CONTACT AREA (with callouts 2, 5, 6), P.C.B TAIL CONTACT (with callouts 2, 5, 6), POST (with callouts 2, 5, 6), and POSITION a1. Dimensions include 11.81±0.19, 18.40, 10.00, 10.50, 1.50 REF, 10.85 REF, 1.20 TYP, 2.50 4 PLC, 5.50 REF, 3.70, 1.80 REF 15 PLC, 13.50 REF, and 1.80 REF 15 PLC. A callout for CL OF -X- is also present.

Bottom view of the PC board layout. Key features include: 8 SIGNAL CONTACTS OUTLINE FOR CLARITY, CONNECTOR KEEPOUT AREA, PIN "g16", 16, 2.21 REF, 10.85 REF, 9.35, 0.84 REF, 12.50 REF, 4 GROUND 40 PLC, DAUGHTERCARD EDGE, TOP OF MOTHERBOARD, PC BOARD LAYOUT (CONNECTOR SIDE) SCALE 5:1, 7.2 3 PLC, Ø0.56±0.05 ØØ0.10 4 HOLES, ØSEE NOTE 3 ØØ0.10 112 HOLES, 32 SIGNAL PAIRS OUTLINED FOR CLARITY, 1.35 6 PLC, 1.8 15 PLC, 1.50, PIN "a1", 0.84 REF, and CL OF DAUGHTERCARD WAFER #1.

Side view of the PC board layout. Key features include: 28.68, -X-, 7.20 REF, 13.50 REF, and CL OF -X-.

4805 (3/13)

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