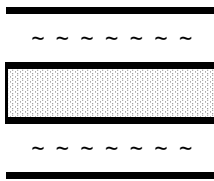


PCB stackup

Renesas Electronics Corporation
COSMO Co., Ltd.

PCB NAME	ET-D720201-0014	material	Hitachi Chemical CORE 【MCL-BE-67G(H)】 / PP 【GEA-67BE(H)HAHJ】
PCB NUMBER			
# of layer	4	Thickness	1.6 ±0.15(0.063±0.006)

PCB stackup					
Layer		Copper Thickness	PCB stackup		
1	Top	0.018(0.00071)			
			~ ~ ~ ~ ~	PP	0.1(0.0039)
2	GND	0.035(0.00138)			
				CORE	1.2(0.0472)
3	Power/GND	0.035(0.00138)			
			~ ~ ~ ~ ~	PP	0.1(0.0039)
4	Bottom	0.018(0.00071)			

Remarks :

- Minimum Trace width/Space 0.15/0.12 (0.0059/0.0047)
- Minimum VIA-Size Hole Diameter 0.3(0.012) / Round Diameter 0.6(0.024)
- Impedance control
 - PCIe 90 -differential Trace width 0.15(0.0059) / Space 0.12(0.0047)
 - USB 90 -differential Trace width 0.15(0.0059) / Space 0.12(0.0047)
- Copper plating thickness 0.025(0.000984)
- Gilding plating thickness Au:0.001(0.00003937) Ni:0.002 ~ 0.006(0.00007874 ~ 0.0002362)
- Board Edge Terminal only

All linear dimensions are in millimeters(inches).

2011.03.22