- 80.0000 mm ← 16.0000 mm → **←** 15.0000 mm LYCHEE RADIO ANTENNA (SMA) GPS ANTENNA (SMA) CU Spaceflight 3 | | | | 0 RS-422 — (To Blackbox) (To Blackbox) (To Blackbox) U302| Q101 TX () RX () U102 640 O O INU CS O RX () TX () SON INT O Power In Max 16V U403 : U401 : GHD O M3 Plated Hole x4 -Pins marked with O are GND. 12C 1 SP| 3 ΘΘΘ UART 4

LYCHEE

Flight Computer



BOARD CHARACTERISTICS

Copper Layer Count: 4 Board Thickness: 1.6062 mm

Board overall dimensions: 80.0000 mm x 80.0000 mm

Min track/spacing: 0.1500 mm / 0.1250 mm Min hole diameter: 0.3000 mm

Copper Finish: HAL SnPb Impedance Control: No Castellated pads: No Plated Board Edge: No

Edge card connectors: N

Layer Name	Туре	Material	Thickness (mm)	Color	Epsilon R	Loss Tangent
F.Silkscreen	Top Silk Screen	Not specified	0 mm	White	1	0
F.Paste	Top Solder Paste		0 mm		1	0
F.Mask	Top Solder Mask	Not specified	0.01 mm	Blue	3.3	0
F.Cu	copper		0.035 mm		1	0
Dielectric 1	prepreg	FR4	0.2104 mm		4.5	0.02
In1.Cu	copper		0.0152 mm		1	0
Dielectric 2	core	FR4	1.065 mm		4.5	0.02
In2.Cu	copper		0.0152 mm		1	0
Dielectric 3	prepreg	FR4	0.2104 mm		4.5	0.02
B.Cu	copper		0.035 mm		1	0
B.Mask	Bottom Solder Mask	Not specified	0.01 mm	Blue	3.3	0
B.Paste	Bottom Solder Paste		0 mm		1	0
B.Silkscreen	Bottom Silk Screen	Not specified	0 mm	White	1	0

Drawn By H. Franks

Cambridge University Spaceflight

Sheet: Assembly

File: flight-computer.kicad_pcb

Title: Lychee Flight Computer				
Size: A4	Date: 2021-12-31	Rev: 1		
KiCad E.D.A. pc	bnew (6.0.6)	ld: 1/1		