



Stackup notes:
– Stackup designed targeting $100\Omega \pm 10\Omega$ differential impedance on top and bottom layers for a pair routed with 5 mil width and 4 mil space.

Layer Name	Type	Material	Thickness (mils)	Color	Epsilon R	Loss Tangent
F.Silkscreen	Top Silk Screen	Not specified	0 mils	White	1	0
F.Paste	Top Solder Paste		0 mils		1	0
F.Mask	Top Solder Mask	Not specified	0.5 mils	Green	3.3	0
F.Cu	copper		1.45 mils		1	0
Dielectric 1	prepreg	FR370HR	4.295984 mils		3.54	0.02
In1.Cu	copper		1.4 mils		1	0
Dielectric 2	core	FR370HR	47 mils		4.24	0.02
In2.Cu	copper		1.4 mils		1	0
Dielectric 3	prepreg	FR370HR	4.295984 mils		3.54	0.02
B.Cu	copper		1.45 mils		1	0
B.Mask	Bottom Solder Mask	Not specified	0.5 mils	Green	3.3	0
B.Paste	Bottom Solder Paste		0 mils		1	0
B.Silkscreen	Bottom Silk Screen	Not specified	0 mils	White	1	0

Designer: Athanasios Pantazides

FOXSI-4 Sounding Rocket

Sheet:

File: little_switch.kicad_pcb

Title: Formatter Ethernet Switch

Size: USLetter | Date: 2022-10-15

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