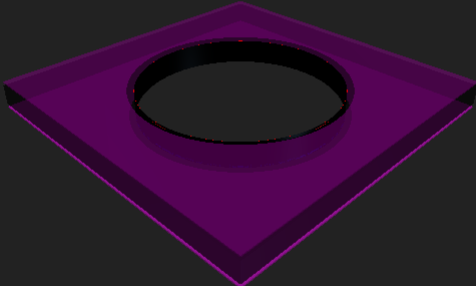| #	Name	Material	Type	Weight	Thickness	Dk	Df	
	Top Overlay		Overlay					
	Top Solder	Solder Resist	Solder Mask		0.4mil	3.5		
1	Top Layer		Signal	1oz	1.4mil			
	Dielectric 2	PP-006	Prepreg		2.8mil	4.1	0.02	
2	Layer 1	CF-004	Plane	1oz	1.378mil			
	Dielectric 1	FR-4	Dielectric		12.6mil	4.8		
3	Layer 2	CF-004	Plane	1oz	1.378mil			
	Dielectric 3	PP-006	Prepreg		2.8mil	4.1	0.02	
4	Bottom Layer		Signal	1oz	1.4mil			
	Bottom Solder	Solder Resist	Solder Mask		0.4mil	3.5		
	Bottom Overlay		Overlay					

#	Name	Material	Type	Weight	Thickness	Dk	Df	
	Top Overlay		Overlay					
	Top Solder	SM-001	Solder Mask		1mil	4	0.03	
	Top Surface Finish	PbSn	Surface Finish		0.787mil			
1	Top Layer	CF-004	Signal	1oz	1.378mil			
	Dielectric 1	PP-017	Prepreg		5.1mil	4.3	0.02	
	Dielectric 2	PP-017	Prepreg		5.1mil	4.3	0.02	
2	Int1 (GND)	CF-004	Plane	1oz	1.378mil			
	Dielectric 3	Core-039	Core		28mil	4.8	0.02	
3	Int2 (PWR)	CF-004	Plane	1oz	1.378mil			
	Dielectric 4	PP-017	Prepreg		5.1mil	4.3	0.02	
	Dielectric 5	PP-017	Prepreg		5.1mil	4.3	0.02	
4	Bottom Layer	CF-004	Signal	1oz	1.378mil			
	Bottom Surface...	PbSn	Surface Finish		0.787mil			
	Bottom Solder	SM-001	Solder Mask		1mil	4	0.03	
	Bottom Overlay		Overlay					

◢ Pad Stack

Hide preview

Simple	Top-Middle-Bottor	Full Stack

Shape — ● Round ▼

(X/Y) — 125.984mil — 125.984mil

Corner Radius — 50%

Thermal Relief — ☐ Relief, 10mil, 10mil, 4, 9(...

Offset From Hole Center (X/Y) — 0mil — 0mil

● Round	☐ Rect	☐ Slot

Hole Size — 125.984mil

Tolerance — + N/A — - N/A

Length — 0mil

Rotation — 0.000

☐ Plated

Questions:

- ask about routing with ground and power plane with via ?

- pad properties

- holes - do I need to set the net to anything or do anything?

- Thickness/layer recommendation (1.5 with standard format)

- silk to solder mask clearance (mine is 9.4mil) changed from 10mil to 7.5mil

- hole size constraint (changed from 100mil to 130mil)

Top board:

J1 · P2 · P1 · P5 · P8 · P7 · P11 · P13 · R6 · P19 · P3 · P6 · R1 · R2 · R3 · R5 · IC1 · P17 · IC2 · theMonarchTransmitter · IC3 · P12 · C2 · P16 · C4 · C1 · P4 · P10 · P14 · C3 · P15 · R4 · P9 · R7 · P18 · J2

theMonarch
Madison Beare

Bottom board:

J1 · C1 · P3 · C2 · J2 · P2 · R1 · J4 · IC1 · WemosESP8266 · J3 · P1 · P5 · R2 · R3 · P4 · P6 · P7

theMonarch
Madison Beare