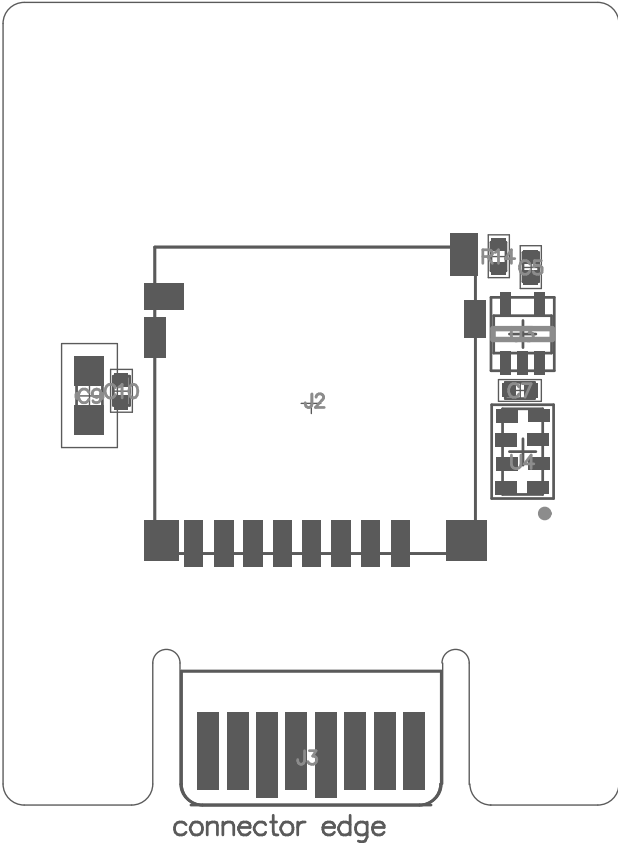


Layer Stack Up Detail for: Prime.PcbDoc

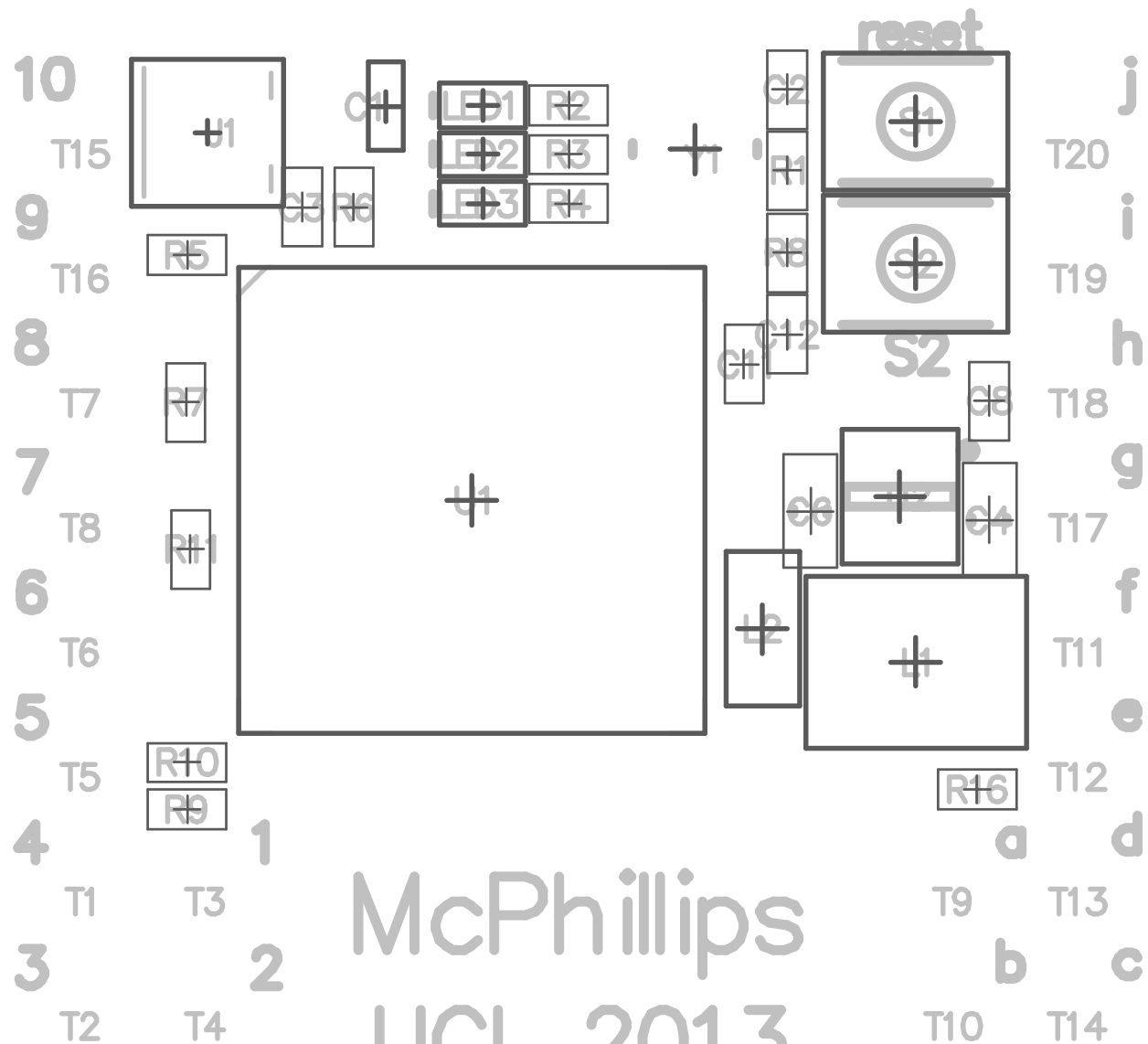
Layer Name	Gerber Document	Copper Thickness	Dielectric Height	Dielectric Material	Dielectric Constant	Dielectric Type
Top Solder Mask	<.GTS>		0.025mm	Solder Resist	4.00	
Top Layer	<.GTL>	0.035mm				
InternalPlane1	<.GP1>	0.035mm	0.1mm	PCL370HR FR4	4.17	PrePreg
InternalPlane2	<.GP2>	0.035mm	0.41mm	PCL370HR FR4	4.17	Core
Bottom Layer	<.GBL>	0.035mm	0.1mm	PCL370HR FR4	4.17	PrePreg
Bottom Solder Mask	<.GBS>		0.025mm	Solder Resist	4.00	

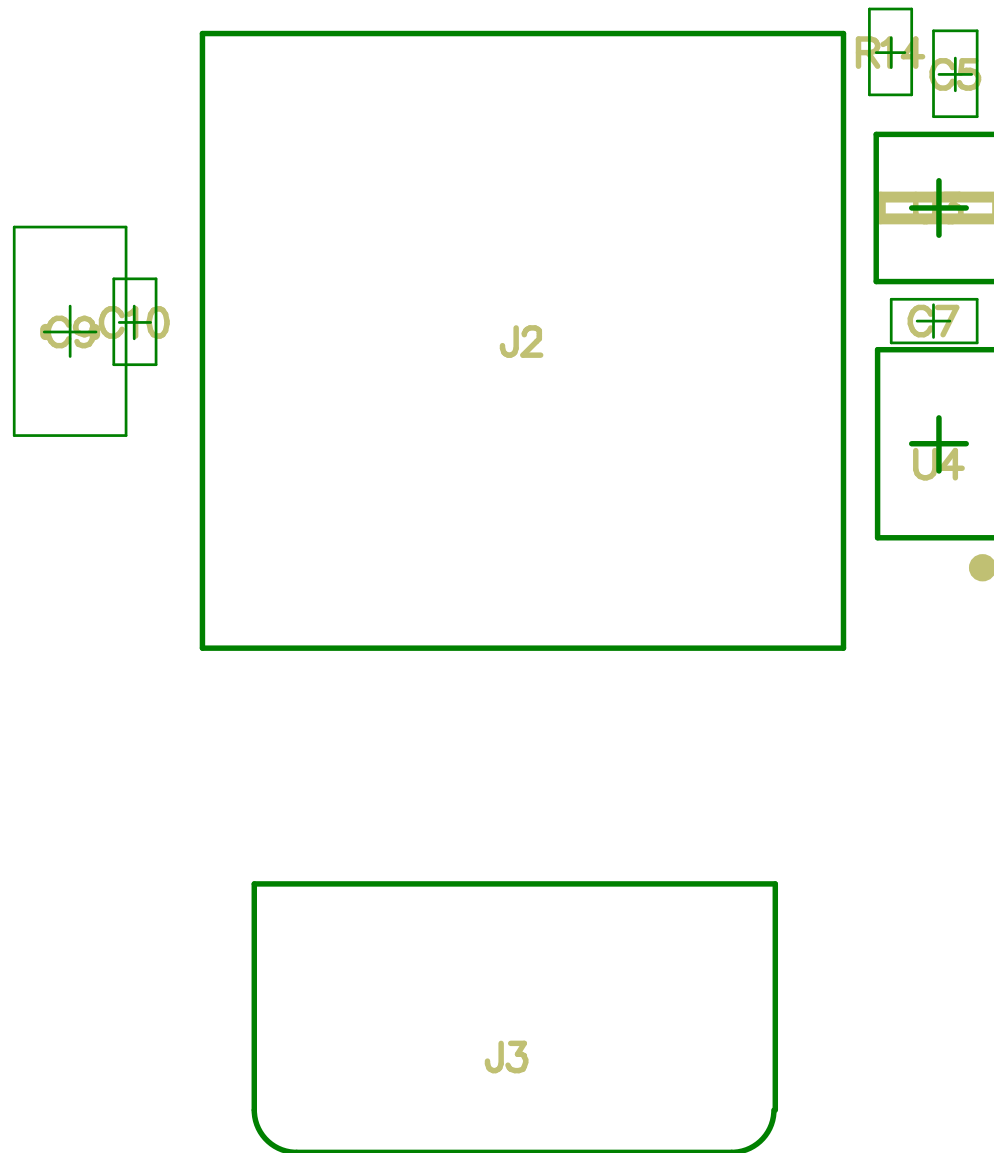
Layer Stack Up Detail for: Prime.PcbDoc

Layer Name	Gerber Document	Copper Thickness	Dielectric Height	Dielectric Material	Dielectric Constant	Dielectric Type
Top Solder Mask	(.GTS)		0.035mm	Solder Resist	4.00	
Top Layer	(.GTL)	0.035mm				Prepreg
Internal Plane1	(.GPI)	0.035mm	0.1mm	PCL370HR FR4	4.17	Core
Internal Plane2	(.GP2)	0.035mm	0.1mm	PCL370HR FR4	4.17	Prepreg
Bottom Layer	(.GBL)	0.035mm				
Bottom Solder Mask	(.GBS)		0.035mm	Solder Resist	4.00	



— A+T1





Comment	Description	Designator	Footprint	LibRef	Quantity	Supplier 1	Supplier Part Number 1	Supplier Order Qty 1	Supplier Stock 1	Supplier Subtotal 1	Supplier Unit Price 1
2.4GHz	RF, 2.4GHz	ANT1	2450AT43 A100	CMP-00013-A.1	1	Digi-Key	712-1009-6-ND	1	17434	0.92	0.92
10pF	10pF, 50V, C0G/ NP0, ±5%	C1	CAPC1005 L - Twin 90	CC0402J RNPO9B N100_tw in_90	1	Digi-Key	311-1014-6-ND	1	1E+06	0.07	0.07
100nF	CAP 100nF 16V ±5% 0402 (1005 Metric) Thickness 0.6mm SMD	C2, C3, C5, C7, C10, C11, C12	CAPC0402(1005)60_L	1034-02068-1	7	Digi-Key	445-8095-6-ND	7	21075	0.91	0.13
10uF	CAP 10uF 6.3V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C4, C6	CAPC0603(1608)100_L	CMP-1035-02796-1	2	Digi-Key	445-7492-6-ND	2	167216	0.64	0.32
1uF	CAP 1uF 6.3V ±10% 0402 (1005 Metric) Thickness 0.6mm SMD	C8	CAPC0402(1005)60_L	CMP-1034-02113-1	1	Digi-Key	709-1060-6-ND	1	14853	0.23	0.23
4.7uF	CAP 4.7uF 6.3V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C9	CAPC0603(1608)100_M	CMP-1035-02780-1	1	Digi-Key	399-3482-6-ND	1	479438	0.09	0.09
U.FL-R-SMT(01)	RECEPTACLE, SMT, U.FL	J1	U.FL-R-SMT	CMP-00006-A.1	1	Digi-Key	H9161DKR-ND	1	177597	1.31	1.31
DM3D-SF	Connector, Micro SD, Push Pull with card detection	J2	Hirose_D M3D-SF	CMP-00007-A.1	1	Digi-Key	HR1941DKR-ND	1	24281	1.61	1.61
744028004	SMD Shielded Tiny Power Inductor WE-TPC, L = 4.70 µH	L1	WE-TPC-2811-T	CMP-0227-00060-1	1	Digi-Key	732-1003-6-ND	1	3840	2.04	2.04
BLM18BD601SN1D	EMI Filter Bead 600ohms 100MHz 200mA Monolithic 0603 SMD	L2	SMD-0603	CMP-00018-A.1	1	Digi-Key	490-1023-6-ND	1	63955	0.07	0.07
SML-P12BC7TT86	Blue Picoled 1.0mm x 0.6mm	LED1	SMD LED (0402)	CMP-00003-A.1	1	Digi-Key	511-1615-6-ND	1	154824	0.43	0.43
SML-P12PTT86	Green Picoled 1.0mm x 0.6mm	LED2	SMD LED (0402)	CMP-00002-A.1	1	Digi-Key	511-1592-6-ND	1	27845	0.39	0.39
SML-P12YTT86	Yellow Picoled 1.0mm x 0.6mm	LED3	SMD LED (0402)	CMP-00004-A.1	1	Digi-Key	511-1595-6-ND	1	6861	0.41	0.41
100k	100K 0.063W 5% 0402 (1005 Metric) SMD	R1, R5, R6, R8, R16	RESC0402(1005)_L	CMP-1011-00122-1	5	Digi-Key	541-100KJDKR-ND	5	173456		
20R	20R 0.063W 1% 0402 (1005 Metric) SMD	R2	RESC0402(1005)_L	CMP-1011-00316-1	1	Digi-Key	541-20.0L DKR-ND	1	80845		
160R	160R 0.063W 1% 0402 (1005 Metric) SMD	R3, R4	RESC0402(1005)_L	CMP-1011-00418-1	2	Digi-Key	541-160L DKR-ND	2	27713		
10K	10K 0.063W 1% 0402 (1005 Metric) SMD	R7, R14	RESC0402(1005)_L	CMP-1011-00623-1	2	Digi-Key	541-10.0K LDKR-ND	2	113561		
1k8	1K8 0.063W 1% 0402 (1005 Metric) SMD	R9, R10	RESC0402(1005)_L	CMP-1011-00537-1	2	Digi-Key	311-1.80KLRDKR-ND	2	97830	0.14	0.07
Jumper	Jumper 0402 (1005 Metric)	R11	RESC0402(1005)_L	CMP-1011-00001-1	1	Digi-Key	541-0.0JDKR-ND	1	822388		
B3U-1000P	Ultra-small TACTILE SWITCH SMD	S1, S2	B3U-1000P	CMP-00010-A.1	2	Digi-Key	SW1020DKR-ND	2	43417	1.8	0.9
MC13224V	Advanced ZigBee™- Compliant Platform-in-Package (PiP) for the 2.4 GHz IEEE® 802.15.4 Standard with nanoWatt XLP Technology	U1	1901-01	CMP-00008-A.1	1	Digi-Key	MC13224V R2DKR-ND	1	3559	7.21	7.21
TPS61221DCKT	LOW INPUT VOLTAGE STEP-UP CONVERTER IN 6 PIN SC-70 PACKAGE	U2	DCK	CMP-00014-A.1	1	Digi-Key	296-241716-ND	1	7511	1.32	1.32
SN74LVC1G02DCKR	SINGLE 2-INPUT POSITIVE NOR-GATE	U3	DCK-5	CMP-00019-A.1	1	Digi-Key	296-115986-ND	1	29822	0.35	0.35
M41T62LC6F	Serial real-time clocks (RTCs) with alarm - Embedded crystal LCC8	U4	ST_LCC8	CMP-00276-A.1	1	Digi-Key	497-112756-ND	1	1966	3.58	3.58
24M	CRYSTAL, TSX-3225, 24MHZ, 10PPM, 9PF	Y1	TSX-3225	CMP-000	1	Digi-Key	SER36	1	0	0.46	0.46