



Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.03mm	SM-001	Solder Mask	GTS
Nickel, Gold	Top Copper Plating	0.02mm		Surface Finish	
CF-004	Top Layer	0.04mm		Signal	GTL
Prepreg		0.21mm	PP-022	Dielectric	
CF-004	Int1	0.04mm		Signal	G1
Core		0.99mm	Core-042	Dielectric	
CF-004	Int2	0.04mm		Signal	G2
Prepreg		0.21mm	PP-022	Dielectric	
CF-004	Bottom Layer	0.04mm		Signal	GBL
Nickel, Gold	Bottom Copper Plating	0.02mm		Surface Finish	
Surface Material	Bottom Solder	0.03mm	SM-001	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.64mm					

Bill Of Materials

Designator	Quantity	Manufacturer Name	Manufacturer Part Number
C1, C12, C13	3	AVX	04026D104KAT4A
C2	1	AVX	04026C474KAT2A
C3, C6	2	Murata	GRM153R60J105ME95D
C4, C5	2	AVX	F380J106MMAAH3
C7	1	AVX	04026C473KAT2A
C8, C9, C14, C15	4	Kemet	C0402C330J9RACAUTO
C10	1	Murata	GRM188R60J226MEA0D
C11	1	KEMET	C0402C475M9PACTU
D1, D3	2	ROHM Semiconductor	SML-P12VTT86R
D2	1	ROHM Semiconductor	SML-P12MTT86R
J1, J6, J7	3	Molex	53261-0271
J2, J3	2	Keystone Electronics	54
J4	1	Molex	53261-0471
L1	1	Bourns	SRP4020TA-2R2M
R1, R2, R11	3	Vishay	CRCW040210K0FKED
R3	1	KOA Speer	TLRH3APTTE10L0F
R4, R5, R13, R19	4	Vishay	CRCW0402330RFKED
R6, R8, R9, R12, R16, R17, R18, R20	8	Vishay	CRCW040247K0FKED
R7	1	Vishay	CRCW04025K49FKED
R10	1	Vishay	CRCW0402316RFKED
R14	1	Vishay	CRCW0402182KFKEDC
R15	1	Vishay	CRCW0402182KFKEDC
SW1	1	C&K Switches	PTS526SK08SMTR2LFS
U1	1	Maxim Integrated	MAX17055ETB+T
U2	1	Texas Instruments	BQ24298RTWT
U3	1	Texas Instruments	TPL5111DDCR
U4	1	Texas Instruments	TPS22917DBVR



