





Bill Of Materials

Line #	Designator	Comment	Quantity
	C1, C2, C3	Capacitor - 33pF [0402] (Ceramic)	3
	C4, C5, C6, C7	Capacitor - 100nF [0402] (Ceramic)	4
	C8, C14, C15, C17	Capacitor - 100nF [0402] (Ceramic)	4
	C9, C18	Capacitor - 33pF [0402] (Ceramic)	2
	C10, C11, C12, C13	Capacitor - 1nF [0402] (Ceramic)	4
	C16	Capacitor - 22uF [1210] (Ceramic)	1
	D1	150066M153000	1
	J1	6P Tunic Connector	1
	J2	6P Tunic Connector	1
	J3, J4, J5, J6	2P SMD Tunic Connector	4
	Q1, Q2, Q3	BC847AQAQZ	3
	R1, R2, R3	330R - 0402 - %1 - 1/16W	3
	R4, R5, R6	4K7 - 0402 - %1 - 1/16W	3
	R7, R8, R9	47K - 0402 - %1 - 1/16W	3
	R10, R17, R18, R19, R20	10K - 0402 - %1 - 1/16W	5
	R11, R15, R22	47K - 0402 - %1 - 1/16W	3
	R12, R16	4K7 - 0402 - %1 - 1/16W	2
	R13	0R - 0402 - %1 - 1/16W	1
	R14	120R - 2512 - %5 - 1W	1
	R21	330R - 0402 - %1 - 1/16W	1
	U1	8-bit MicroController	1
	U2	RS485 Modulator	1
	U3	Power Switch	1
	U4	LDO Regulator	1

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
	Surface Material	0.03mm	SM-001	Solder Mask	GTS
	Nickel, Gold	0.02mm		Surface Finish	
CF-004	Top Copper Plating	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	0.02mm		Surface Finish	
	Surface Material	0.03mm	SM-001	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

Total thickness: 1.64mm

