

ETH-2-210111-G104e -- ETHx Main PCB

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Value	Foot Print	Description	QTY	Reference Designators	MFG #1	MFG #1 P/N	MFG #2	MFG #2 P/N
0.1uF	0603	Capacitor Ceramic Multilayer +80/-20%	30	C101, C102, C103, C105, C106, C107, C108, C113, C114, C115, C116, C117, C202, C203, C204, C205, C206, C207, C208, C209, C216, C222, C223, C224 C104, C217, C218, C219, C220, C221				
0.22uF	0603	Capacitor Ceramic Multilayer, +80%-20%	1	C100				
0R	0802	Resistor	1	C502				
1.2K	0603	Resistor 5%	1	R216				
1.5K	0603	Resistor 5%	1	R223				
1000pF	0603	Capacitor Ceramic Multilayer 10%	1	C112				
100K	0603	Resistor 5%	1	R106				
100uF	C-Pol 5mm	Capacitor Electrolytic Low ESR 20%	1	C121				
10K	0603	Resistor 5%	7	R206, R207, R208, R209, R210, R211, R222				
121R	0603	Resistor 1% (must be 1%)	2	R202, R203				
12K	0603	Resistor 5%	1	R224				
15pF	0603	Capacitor Ceramic Multilayer 10%	1	R212				
18pF	0603	Capacitor Ceramic Multilayer 10%	2	C110, C111				
191R	0603	Resistor 5%	1	R102				
1M	0603	Resistor 5%	1	R103				
1uF	0603	Capacitor Ceramic Multilayer 10%	2	C225, C226				
1uH	1008	Inductor 10%	1	L1				
220uF	C-Pol 5mm	Capacitor Electrolytic Low ESR 20%	1	C122				
22nH	0603	Inductor 10%	1	R221				
25LC640	EIAJ SOIC8	EEPROM	1	U101				
2K 1%	0603	Resistor 1%	1	R215				
33R	0603	Resistor 5%	3	R213, R225				
47K	0603	Resistor 5%	2	R100, R101				
50MHz	HC49US	Crystal, 30 ppm	1	Y100				
62R	0603	Resistor 5%	1	R214				
680pF	0603	Capacitor Ceramic Multilayer 10%	1	C109				
75R	0603	Resistor 5%	2	R200, R201				
ETHx Main		PCB, ETH-2-210112-G104	1	PCB				
eX64	VQFP64	FPGA	1	U203	Actel	eX64-FTQ64		
ICS1893BF	SSOP48 (NEW)	PHY	1	U201	ICS	ICS1893BF		
LF8505		Transformer	1	U200	Delta	LF8505		
RF PA CON		RF PA PCBA interface connection	DNP	CN101				
Solder	Manual assembly	Mating Number Shorting pad (short as per assembly instructions)		J100, J101, J102, J103, J104, J105, J106, J107, J108, J109, J110, J111				
Solder	Manual assembly	Master / Slave Shorting pad (short as per assembly instructions)		J112				
SP6213		Voltage Regulator, 2.5	1	U202	Sipex	SP6213EC5-2.5		
TLV2217-33	TO-220	Voltage Regulator, 3.3V	1	Q100	TI	TLV2217-33		
XInC Die			1	U100	Eleven	XC1100 (FU9B667AY)		
			DNP	C500, C501				
	THR	Ethernet Jack	1	CN200				
	THR	Power Jack	1	CN102				
	THR	LED, Green, 3mm	1	D100				
		Mask off these locations	DNP	CN100, CN400, CN401, CN402				