

**XS1-L2 124QFN Example Component List**

ITEM	QTY	REFDES	XMOS_PART_NUMBER	DESCRIPTION	MANUFACTURER	PART_NUMBER	PACKAGE
1	2	R4,R5	E-01-0002	RES 10k 0603 1%	ROHM	MCR03EZPFX1002	0603
2	1	R8	E-01-0021	RES 4.7k 0603 1%	ROHM	MCR03EZPFX4701	0603
3	1	R9	E-01-0022	RES 470R 0603 1%	ROHM	MCR03EZPFX4700	0603
4	1	R1	E-01-0035	RES 2.2M 0603 1%	ROHM	MCR03EZPFX2204	0603
5	1	R2	E-01-0037	RES 6.8k 0603 1%	ROHM	MCR03EZPFX6801	0603
6	1	R3	E-01-0039	RES 47k 0603 1%	ROHM	MCR03EZPFX4702	0603
7	1	R6	E-01-0044	RES 2.2R 0603 1%	ROHM	MCR03EZPJ2R2	0603
8	1	R7	E-01-0049	RES 1.8k 0603 1%	ROHM	MCR03EZPFX1801	0603
9	3	C3,C4,C5	E-02-0007	MLCC 10uF 0805 X5R 10V	Murata	GRM21BR61A106KE19	0805
10	10	C6,C7,C8,C9,C10,C11,C12,C13,C14,C15	E-02-0017	MLCC 100nF 0603 X7R 16V	Murata	GRM188R71C104KA01	0603
11	2	C16,C17	E-02-0018	MLCC 33pF 0603 COG 50V	Murata	GRM1885C1H330JA01	0603
12	1	C18	E-02-0019	MLCC 2.2uF 0603 X5R 10V	Murata	GRM188R61A225KE34	0603
13	2	C1,C2	E-02-0020	MLCC 1uF 0603 X5R 10V	Murata	GRM188R61A105KA61	0603
14	1	U6	E-03-0005	Memory, Flash, SPI, 2Mb (1Kx256), SOIC-8	Atmel	AT25DF021-SSH	SOIC8
15	1	J1	E-04-0022	IDC Boxed Header, Right Angle, PCB Mount, Polarised, 20 Way, 2x10, 0.1" Pitch	Sullins	SBH11-PBPC-D10-RA-BK	IDC_HEADER_RA_20PIN
16	1	U1	E-05-0011	Voltage regulator, LDO, Fixed, 3.3V, 180mA	Fairchild Semiconductor	FAN2558S33X	SOT23_5
17	1	U2	E-05-0012	DC-DC Converter, 1.3MHz, 1.5A	Fairchild Semiconductor	FAN2012MPX	DFN6_FAN2013
18	1	X1	E-07-0005	Crystal, 13MHz, HC49/US SMD, Fundamental, 18pF, Tol. ±30ppm, Stab. ±30ppm	Abracon	ABLS2-13.000MHz-D4Y	XTAL_HC49US_SMD
19	1	L1	E-09-0008	Power Inductor, 3.3uH, 1.7A, 78mR DCR	Murata	LQH44PN3R3MP0	MURATA_LQH44P
20	1	U5	E-11-0008	XMOS XS1-L2 Processor, 124QFN	XMOS	XS1-L02A-QF124-C4	LGA124_XMOS
21	1	U7	E-13-0019	Voltage Detector, Programmable Delay, SOT23-5	ON Semiconductor	NCP303LSN09T1G	SOT23_5
22	1	U3	E-13-0021	Unbuffered Inverter, UHS Series, SOT-23-5	Fairchild	NC7SZU04M5X	SOT23_5
23	1	U4	E-13-0026	Dual Logic Buffer, Open Drain Output, UHS Series, SC70	Fairchild	NC7WZ07P6X	SC70_6
24	1	JP1	E-15-0002	Jumper, 2 Pin, 0.1" Pitch, THT	NA	NA	HEADER_2PIN