

Table 1. Bill of materials

1	0	J3 Not Fitted	CONN, HEADER, 3POS, SNGL, 2.54MM, T/H	Harwin	M20-9990345
2	0	TP1, TP11 Not Fitted	CONN, HEADER, 1POS, 2.54MM, T/H	Samtec	TSW-101-26-T-S
3	0	R12, R16 Not Fitted	RES, 0R, JUMPER, 1/16W, 0402	Yageo	RC0402JR-070RL
4	0	R6, R7 Not Fitted	RES 2.7KOHM 1% 1/16W 0402	Yageo	RC0402FR-072K7L
5	1	C11 Fitted	CAP, CER, 100nF, 20%, 16V, X7R, 0201	Murata	GRM033Z71C104ME14D
6	1	J2 Fitted	CONN RCPT 30POS SMD GOLD, with PLCC28_Fox Module	Hirose	BM28B0.6-30DS/2-0.35V(53)
7	1	J1 Fitted	CONN, Jack, 22 pos, FFC and FPC, 0.5mm, bottom contact	Hirose	FH12-22S-0.5SH(55)
8	1	J4 Fitted	SMT/THROUGH-HOLE HEADER 5pts 1.27mm	Samtec	TFM-105-01-L-S-RA
9	1	U1 Fitted	Single supply translating transceiver; 3-state, 1.2V-5.5V, XSON6	Nexperia	74LVC1T45GF
10	1	MP3 Fitted	22 * 3.5mm Adhesive label for serialising as per "Labelling and Packaging Specifications.pdf"	N/A	N/A
11	1	CAB1 Fitted	FFC / FPC Cable, 22 pin, 0.5 mm, opposite Sided Contacts, 100 mm,	Würth Electronics	687722050002
12	1	R13 Fitted	RES, 10R, 1%, 1/16W, 0402	Vishay	CRCW040210R0FKED
13	1	R15 Fitted	RES, 100R, 1%, 1/16W, 0402	Yageo	RC0402FR-07100RL
14	1	R17 Fitted	RES, 100k, 1%, 1/16W, 0402	Yageo	RT0402FRE07100KL
15	1	R2 Fitted	RES, 20k, 1%, 1/16W, 0402	Yageo	RC0402FR-0720KL
16	1	R3 Fitted	RES, 45.3k, 1%, 1/16W, 0402	Yageo	RC0402FR-0745K3L
17	1	R5 Fitted	RES, 30k, 1%, 1/10W, 0603	Panasonic	ERJ-3EKF3002V
18	1	R10 Fitted	RES, 12k, 1%, 1/10W, 0402	Panasonic	ERJ-2RKF1202X
19	1	R11 Fitted	RES, 30k, 1%, 1/16W, 0402	Yageo	RC0402FR-0730KL
20	1	R14 Fitted	RES, 24k, 1%, 1/16W, 0402	Vishay	CRCW040224K0FKED
21	1	D1 Fitted	Schottky diode If=1A, Vr=23V, Packager SOD-323	ST Microelectronics	BAT20JFILM
22	1	Y1 Fitted	XTAL OSC XO 12MHZ CMOS SMD	ECS Inc.	ECS-2520MVL-120-CN-TR
23	2	R1, R4 Fitted	RES, 0R, JUMPER, 1/16W, 0402	Yageo	RC0402JR-070RL
24	2	R8, R9 Fitted	RES, 1.8k, 1%, 1/16W, 0402	Yageo	RC0402FR-071K8L
25	3	C10, C12, C19 Fitted	CAP, CER, 10uF, 6.3V, X5R, 0402	Murata	GRJ155R60J106ME11D
26	3	C1, C4, C6 Fitted	CAP, CER, 4.7uF, 10V, X5R, 0603	Taiyo Yuden	LMK107BJ475KA-T
27	3	U2, U3, U4 Fitted	IC, REG, LDO, ADJ, 0.5A, DFN-6 (3x3)	STMicroelectronics	LD39050PUR
28	0	C13 Not Fitted	CAP, CER, 100nF, 16V, X7R, 0402	Murata	GRM155R71C104KA88D
29	6	C2, C3, C5, C7, C8, C9 Fitted	CAP, CER, 100nF, 16V, X7R, 0402	Murata	GRM155R71C104KA88D
30	2	Q1, Q2 Fitted	MOSFET, N-CH, 20V, 200mA, SOT-23-3	Fairchild/ON	BSS138

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