

Bill of Materials



Project Information Barrier

Schematic Design IB Phase II LV Board Issue 2.1

PCB Design LV Board MGP_0279.ISSUEB

#	Designator	Value	Description	Manufacturer No.	Supplier	Part No.	Quantity
1	R1-R7, R16, R17	1R	MF25 +/- 1% 0.25W	MF25 1R	Farnell	9341153	9
2	R8, R11	20k	MF25 +/- 1% 0.25W	MF25 20K	Farnell	9341498	2
3	R9	10k	MF25 +/- 1% 0.25W	MF25 10K	Farnell	9341110	1
4	R10	1M	MF25 +/- 1% 0.25W	MF25 1M	Farnell	9341137	1
5	R12	4M7	MF25 +/- 1% 0.25W	MRS25 4M7	Farnell	9468749	1
6	R14, R15	2R2	MF25 +/- 1% 0.25W	MRS25 2R2	Farnell	9341579	2
7	C1-C4	22uF	MURATA 16V	GRM32ER61C226KE20L	Farnell	9527800	4
8	C5, C6, C9-C18, C22, C23, C34-C37	22uF	X5R 50V	CKG57NX5R1H226M	RS	5477180	18
9	C19-C21	100uF	X5R 16V	CKG57NX5R1C107M	RS	5477152	3
10	C24-C33	10nF	COG 100V	C0805C103J5GAC	Farnell	1535573	10
11	U1-U3	ADP667	5V VOLTAGE REGULATOR	ADP667ANZ	RS	5237487	3
12	U4	TES 2N-0521	DC/DC CONVERTER	TES 2N-0521	Farnell	1007052	1
13	U5, U7	THB 3-0515	DC/DC CONVERTER	THB 3-0515	Farnell	1441205	2
14	U6	TES 2N-0522	DC/DC CONVERTER	TES 2N-0522	Farnell	1007053	1
15	Q1, Q4	IRF9540N	MOSFET P, T-220	IRF9540NPBF	Farnell	8648620	2
16	Q2, Q3	ZTX450	TO-92 ELINE	ZTX450	Farnell	9525513	2
17	D1	1N914	DO-35	IN914	Farnell	984-3817	1
18	D2-D4	50SQ080	SCHOTTKY DIODE 5A 80V	50SQ080	Farnell	260083	3
19	J1	EURO CARD SOCKET	DIN41612 2A	N/A	RS	5083117	1
20	L1, L2	CTX200-1A-R	Inductor	CTX200-1A-R	Farnell	1463509	2