

SI No:	References	Value	Footprint	Quantity
1	C3	1000uf	CP_Elec_10x10	1
2	C2	150uf	CP_Elec_8x10	1
3	C1, C4, C8	.1uf	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	3
4	C5, C6	22uf	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	2
5	C9	1uf	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
6	C7	.33uf	C_1206_HandSoldering	1
7	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R41, R42, R43, R45	10k	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	32
8	R33, R34, R35, R36, R37, R38, R39, R40, R46	220R	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	9
9	R13, R14, R15, R16	5k	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	4
10	R47, R48	510R	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	2
11	R44	120R	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
12	L1	680uh; 3A rated	L_12x12mm_h6mm	1
13	D1, D2, D3, D4, D7, D8, D9, D10	5.1v ~300mw MiniMelf Zener	D_1206	8
14	D5	NTS245SF	D_SMA_Handsoldering	1
15	D19	S1BB	D_SMB_Handsoldering	1
16	D6	B340	D_SMC_Handsoldering	1
17	D20, D21, D22	LED – orange	LED_0805_2012Metric_Pad1.15x1.40mm_HandSolde r	3
18	D11, D12, D13, D14, D15, D16, D17, D18	LED – green	LED_0805_HandSoldering	8
19	U2, U3	LTV-847	DIP-16_W7.62mm_SMDSocket_SmallPads	2
20	U8	ULN2803A	SOIC-18W_7.5x11.6mm_Pitch1.27mm	1
21	U5	MAX481E / MAX3485E	SOIC-8_3.9x4.9mm_Pitch1.27mm	1
22	U7	AMS1117-3.3	SOT-223-3_TabPin2	1
23	U4	power_L7812_smd	TO-263-2	1
24	U1	power_LM2576	TO-263-5_TabPin3	1
25	U6	ADS1018IDGS / ADS1118	TSSOP-10_3x3mm_Pitch0.5mm	1
26	K1, K2, K3, K4, K5, K6, K7, K8	G5LE-1	Relay_SPDT_OMRON-G5LE-1	8
27	Q2, Q3	2N7002	SOT-23	2
28	Q1	BSS123	SOT-23	1
29	J10, J11, J12, J13	Conn_01x04	JST_XH_B04B-XH-A_04x2.50mm_Straight	4
30	J1	Raspberry_Pi_2_3	Socket_Strip_Straight_2x20_Pitch2.54mm	1
31	J14	Screw_Terminal_01x10	TerminalBlock_Phoenix_MKDS-1,5-10_1x10_P5.00mm_Horizontal	1
32	J5, J7	Screw_Terminal_01x12	TerminalBlock_Phoenix_MKDS1.5-12pol	2
33	J4, J8, J9	Screw_Terminal_01x02	TerminalBlock_Phoenix_MKDS1.5-2pol	3
34	J3	Screw_Terminal_01x04	TerminalBlock_Phoenix_MKDS1.5-4pol	1