

PCB BOM



Source Data From: LPCB234_RLOOP_RM4_POWER_NODE.PrjPCB
 Project: LPCB234_RLOOP_RM4_POWER_NODE.PrjPCB
 Variant: None

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#	Designator	Layer	LDL_NUMBER	Description
1	C1	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
2	C2	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
3	C3	Top	LCA070	Capacitor, Ceramic Chip, 1uF, 10V, SMD 0603 [LCA070]
4	C4	Top	LCA070	Capacitor, Ceramic Chip, 1uF, 10V, SMD 0603 [LCA070]
5	C5	Top	LCA070	Capacitor, Ceramic Chip, 1uF, 10V, SMD 0603 [LCA070]
6	C6	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
7	C7	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
8	C8	Top	LCA019	Capacitor, Ceramic Chip, 10pF, 50V, 5%, SMD 0603 [LCA019]
9	C9	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
10	C10	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
11	C11	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
12	C12	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
13	C13	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
14	C14	Top	LCA098	Capacitor, Ceramic Chip, 1uF, 50V, SMD 0805 [LCA098]
15	C15	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
16	C16	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
17	C17	Top	LCA098	Capacitor, Ceramic Chip, 1uF, 50V, SMD 0805 [LCA098]
18	C18	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
19	C19	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
20	C20	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
21	C21	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
22	C22	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
23	C23	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
24	C24	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
25	C25	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
26	CE1	Top	LCA071	Capacitor, Aluminum Electrolytic, 330uF, 35V, 20%, SMD (10mm x 10mm) [LCA071]
27	CE2	Top	LCA071	Capacitor, Aluminum Electrolytic, 330uF, 35V, 20%, SMD (10mm x 10mm) [LCA071]

28	CE3	Top	LCA071	Capacitor, Aluminum Electrolytic, 330uF, 35V, 20%, SMD (10mm x 10mm) [LCA071]
29	CE4	Top	LCA071	Capacitor, Aluminum Electrolytic, 330uF, 35V, 20%, SMD (10mm x 10mm) [LCA071]
30	CE5	Top	LCA071	Capacitor, Aluminum Electrolytic, 330uF, 35V, 20%, SMD (10mm x 10mm) [LCA071]
31	CE6	Top	LCA071	Capacitor, Aluminum Electrolytic, 330uF, 35V, 20%, SMD (10mm x 10mm) [LCA071]
32	CN1	Top	LCN305	Connector, Male Header, 8 Way
33	CN2	Top	LCN318	Connector, Header, 2.54mm, 7 Pins x 2 Rows, SMD
34	CN3	Top	LCN315	Terminal, Bush with M5 Shank
35	CN4	Top	LCN315	Terminal, Bush with M5 Shank
36	CN5	Top	LCN315	Terminal, Bush with M5 Shank
37	CN6	Top	LCN315	Terminal, Bush with M5 Shank
38	CN8	Top	LCN252	Connector, DIMM 100
39	CN9	Top	LCN311	Connector, MATE-N-LOK, Header, 2 Way, PTH
40	CN10	Top	LCN080	Connector, Blade Fuse Holder, 5mm Terminals, 30A Max, PTH
41	CN11	Top	LCN311	Connector, MATE-N-LOK, Header, 2 Way, PTH
42	CN12	Top	LCN080	Connector, Blade Fuse Holder, 5mm Terminals, 30A Max, PTH
43	CN13	Top	LCN309	Connector, M12 8 Way, PCB Mount
44	CN14	Top	LCN309	Connector, M12 8 Way, PCB Mount
45	CT1	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
46	CT2	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
47	CT3	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
48	D1	Top	LIC010	Diode, General Purpose Rectifier, 1A, PTH [LIC010]
49	D2	Top	LIC006	Diode, Small Signal, 0.2A, 85V, SMD SOT-23 [LIC006]
50	D3	Top	LIC189	Diode, General Purpose Rectifier, 3A, 200V, SMD DO-214AB [LIC189]
51	D4	Top	LIC189	Diode, General Purpose Rectifier, 3A, 200V, SMD DO-214AB [LIC189]
52	IC1	Top	LIC573	IC, I2C to 1 Wire Bridge, SMD SOIC8
53	IC2	Top	LIC573	IC, I2C to 1 Wire Bridge, SMD SOIC8
54	IC3	Top	LIC572	IC, 6 Channel Digital Isolator, SMD [LIC572]
55	IC4	Top	LIC016	LED, SMD, 0805 Green [LIC016]
56	IC5	Top	LIC594	IC, Hall Effect Current Sensor, PTH
57	IC6	Top	LIC292	IC, Relay Driver, 28V Industrial, SMD SOT23 [LIC292]
58	IC7	Top	LIC556	IC, Digital Temp Sensor, SMD QFN16 [LIC556]
59	IC8	Top	LIC016	LED, SMD, 0805 Green [LIC016]
60	IC9	Top	LIC016	LED, SMD, 0805 Green [LIC016]
61	IC10	Top	LIC016	LED, SMD, 0805 Green [LIC016]
62	IC11	Top	LIC016	LED, SMD, 0805 Green [LIC016]
63	IC12	Top	LIC016	LED, SMD, 0805 Green [LIC016]
64	IC13	Top	LIC294	IC, Voltage Regulator, 0.35A, 12V, SMD D2PAK [LIC294]
65	IC14	Top	LIC522	IC, High Speed CAN Transceiver, SMD SOIC8 [LIC522]
66	IC15	Top	LIC558	Raspberry Pi Model B

67	IC16	Top	LIC016	LED, SMD, 0805 Green [LIC016]
68	IC17	Top	LIC233	IC, Voltage Regulator, 400mA, 3.3V LDO, SMD DPAK [LIC233]
69	IC18	Top	LIC524	IC, Pressure Sensor IC, SMD QFN8 [LIC524]
70	IC19	Top	LIC601	IC, High Volt LDO, 0.7A [LIC601]
71	IC20	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
72	IC21	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
73	IC22	Top	LIC601	IC, High Volt LDO, 0.7A [LIC601]
74	PW1	Top	LPW025	Non Isolated DC/DC Module
75	Q1	Top	LIC215	FET, P Channel, Logic Level, SMD SOT23 [LIC215]
76	Q2	Top	LIC215	FET, P Channel, Logic Level, SMD SOT23 [LIC215]
77	R1	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
78	R2	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
79	R3	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
80	R4	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
81	R5	Top	LRE058	Resistor, Ceramic Chip, 4K7, 0.1W, 1%, SMD 0603 [LRE058]
82	R6	Top	LRE037	Resistor, Ceramic Chip, 47R, 0.1W, 1%, SMD 0603 [LRE037]
83	R8	Top	LRE026	Resistor, Ceramic Chip, 0R, 0.1W, SMD 0603 [LRE026]
84	R9	Top	LRE026	Resistor, Ceramic Chip, 0R, 0.1W, SMD 0603 [LRE026]
85	R10	Top	LRE026	Resistor, Ceramic Chip, 0R, 0.1W, SMD 0603 [LRE026]
86	R11	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
87	R12	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
88	R13	Top	LRE077	Resistor, Ceramic Chip, 121R, 0.33W, 1%, SMD 1210 [LRE077]
89	R14	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
90	R15	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
91	R16	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
92	R18	Top	LRE058	Resistor, Ceramic Chip, 4K7, 0.1W, 1%, SMD 0603 [LRE058]
93	R19	Top	LRE058	Resistor, Ceramic Chip, 4K7, 0.1W, 1%, SMD 0603 [LRE058]
94	R20	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
95	R21	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
96	R22	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
97	R23	Top	LRE194	Resistor, Thick Film, 300K, 0.500W, 200V, 1%, SMD 1206 [LRE194]
98	R24	Top	LRE123	Resistor, Ceramic Chip, 82R, 0.063W, 1%, SMD 0805 [LRE123]
99	R25	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
100	R26	Top	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]
101	R27	Top	LRE013	Resistor, Ceramic Chip, 220R, 0.25W, 1%, SMD 0805 [LRE013]
102	R28	Top	LRE133	Resistor, Thick Film, 1K, 0.75W, 5%, 400V, SMD 2010 [LRE133]
103	R29	Top	LRE194	Resistor, Thick Film, 300K, 0.500W, 200V, 1%, SMD 1206 [LRE194]
104	R30	Top	LRE123	Resistor, Ceramic Chip, 82R, 0.063W, 1%, SMD 0805 [LRE123]
105	R31	Top	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]

106	R32	Top	LRE013	Resistor, Ceramic Chip, 220R, 0.25W, 1%, SMD 0805 [LRE013]
107	R33	Top	LRE133	Resistor, Thick Film, 1K, 0.75W, 5%, 400V, SMD 2010 [LRE133]
108	RLY1	Top	LSW043	Relay, DPDT, 24V, Socket Mount
109	RLY2	Top	LSW020	Relay, DPDT, Non Latching, 24VDC Coil, 1A Rating, PTH
Approved			Notes	