

LiveLight USB Interface Parts List

PCB Version 5

Henri Rantanen 6.9.2011

Controller

Quantity	References	Value	Type	Stock code
2	R1, R58	150Ω 1206	1206	Farnell - 1577409
29	R2-R30	10KΩ 1206	1206	Farnell - 1577395
27	R31-R57	1MΩ 1206	1206	Farnell - 1577398
2	C1, C2	18pF 0603 Ceramic	0603	Farnell - 1828908
2	C3, C6	68pF 1206 Ceramic	1206	Farnell - 1800828
2	C4, C5	10uF W Tantalum	Case W	Farnell - 1658764
2	C7, C8	3.3pF 1206 Ceramic	1206	Farnell - 1650901
2	C9, C10	470uF Electrolytic	Through Hole	Farnell - 8126461
1	U1	ATMEGA32-16AU	TQFP44	Farnell - 9171274
1	U3	FT232RL	SSOP28	Farnell - 1146032
27	Q1-Q27	IRLML2502TR MOSFET	MICRO3	Farnell - 1463264
1	AVR ISP	2x3 Header	Through Hole	Farnell - 1096984
9	J2-J10	Mini-USB B Connector	SMD	Farnell - 1753806
1	POWER	DC Connector	Through Hole	Farnell - 1737246
1	RXLED	Green 1206 LED	1206	Farnell - 1466000
1	TXLED	Red 1206 LED	1206	Farnell - 1465997
1	USB	USB B Connector	Through Hole	Farnell - 1753809
1	X1	Crystal 14,7456MHz	Through Hole	Farnell - 1538745
1	CASE	Hammond 1591AFLBK	Err... black?	Farnell - 3848589

Accessories

Quantity	References	Value	Type	Stock code
1	PSU	12V 4,5A / 230V 50Hz	Power Supply	ELFA - 6979851
3 m	LED STRIP	RGB LED-Strip	14,4W/m	Leditalo - 100321
1	USB	USB A-B Cable	1,3 m	DealExtreme - 28864
9	OUTPUT	MiniUSB B cable	0,7 m	DealExtreme - 48933