

Bill Of Materials

Item	Quantity	Reference	Part	PCB Footprint
1	1	CN1	CON-MOLEX-KK100-3PNO2	CON-MOLEX-42376-90-3-NO2
2	1	CN2	CON-MOLEX-KK100-3P	CON-MOLEX-42376-90-3
3	1	CN4	CN-USB	USBMB-HRS-UX60SC
4	2	C1,C21	100nF/25V/X5R	CAPC-0402
5	1	C2	10uF/25V/X7R	CAPC-1206
6	1	C4	NC	CAPP-180X85-P15
7	1	C5	220nF X1	CAPP-265X100x165-P225
8	1	C6	4.7pF/C0G	CAPC-0402
9	4	C7,C16,C30,C46	10uF/6.3V	CAPC-0603
10	11	C9,C10,C19,C27,C28,C34, C41,C42,C43,C48,C50	100nF/X5R	CAPC-0402
11	1	C11	4.7nF/25V/X7R	CAPC-0402
12	1	C12	12pF/C0G	CAPC-0402
13	2	C13,C22	100nF/16V/X7R	CAPC-0402
14	1	C14	10uF/25V/X5R	CAPC-1206
15	4	C15,C26,C45,C49	100nF	CAPC-0402
16	1	C18	100pF/C0G	CAPC-0402
17	1	C20	10nF/16V/X7R	CAPC-0402
18	1	C23	1nF/C0G	CAPC-0402
19	2	C24,C25	20pF	CAPC-0402
20	1	C29	1nF/X5R	CAPC-0402
21	3	C31,C32,C39	100nF/25V	CAPC-0402
22	1	C33	4.7uF/4V/X5R	CAPC-0402
23	1	C37	10uF/10V/X5R	CAPC-0805
24	1	C38	10nF/X5R	CAPC-0402
25	1	C40	100nF	CAPC-0603
26	3	DL1,DL4,DL7	LED-RED	LEDC-0603
27	3	DL2,DL3,DL5	LED-GREEN	LEDC-0603
28	1	DL6	LED-YELLOW	LEDC-0603
29	1	DL8	LED-BLUE	LEDC-0603
30	1	D1	SM6T15CA	DIODO-DO214AA-SMB
31	2	D2,D3	STPS1L30A	DIODO-DO214AC-SMA
32	1	D4	STTH1L06A	DIODO-DO214AC-SMA
33	1	D5	SMAJ5.0CA	DIODO-DO214AC-SMA-BIDIR
34	2	FB1,FB2	BLM18AG331SN1D	INDC-0603
35	2	FB3,FB4	BLM21PG331SN1	INDC-0805
36	1	ISO1	TLP781(GB)	DIP254P-50X76-4
37	3	JP1,JP2,JP4	CLOSE	JP2SO
38	3	JP5,JP6,JP12	CLOSE	STRIP254P-M-2
39	1	JP7	STRIP254P-M-6	STRIP254P-M-6
40	1	JP8	STRIP254P-M-4	STRIP254P-M-4
41	1	JP9	CLOSE	JUMP254P-M-2
42	1	JP10	OPEN	JP2SO
43	1	JP11	STM32 BOOT CONFIG	JUMP254P-M-2x2-90
44	1	JTAG1	JTAG_20P	CON-FLAT10X2-90M
45	1	J1	STPMx	STRIP254P-M-5X2-90
46	1	J2	SPI2 CONNECTOR	STRIP254P-M-6
47	1	L1	B82464G4-6.8uH	INDC-EPCOS-B82464G4
48	1	L2	NC	INDC-BOURNS-SDR0503

Item	Quantity	Reference	Part	PCB Footprint
49	1	L3	B82462G4224M000	INDC-EPCOS-B82462A4
50	1	Q1	2N7002	SOT23
51	2	RN2,RN3	10K	RESN-CAY10
52	3	R1,R2,R7	33K	RESC-1206
53	1	R3	3K9	RESC-0402
54	4	R4,R55,R59,R66	470R	RESC-0402
55	1	R5	100R	RESC-0603
56	2	R6,R44	100k	RESC-0402
57	2	R9,R12	24K	RESC-0402
58	1	R13	27K	RESC-0402
59	19	R15,R18,R20,R29,R34,R41, R42,R46,R48,R49,R52,R54, R60,R67,R68,R69,R70,R71, R74	10K	RESC-0402
60				
61	3	R16,R21,R26	47K	RESC-0402
62	1	R17	130R	RESC-0402
63	3	R27,R43,R62	0R	RESC-0402
64	1	R30	10M	RESC-0402
65	3	R32,R56,R57	4K7	RESC-0402
66	4	R33,R45,R63,R64	NC	RESC-0402
67	1	R36	100K	RESC-0603
68	4	R38,R39,R40,R75	4k7	RESC-0603
69	3	R47,R51,R76	560R	RESC-0402
70	1	R50	330R	RESC-0402
71	1	R53	10k	RESC-0603
72	1	R58	1K5	RESC-0402
73	2	R61,R65	22R	RESC-0402
74	1	SW1	DIPSW-4P-90	DIPSW254P-4P-90
75	1	SW2	PUSH_1	BUTTON-6X6-PTH-90
76	1	SW3	PUSH_2	BUTTON-6X6-PTH-90
77	1	SW4	STM32 RESET	BUTTON-6X6-PTH-90
78	1	SW5	ST75MM RESET	BUTTON-6X6-PTH-90
79	1	TP1	CL	TPTH-ANELLO-1MM
80	1	TP2	PA_OUT	TPTH-ANELLO-1MM
81	1	TP6	RX_IN	TPTH-ANELLO-1MM
82	1	TP8	TX_OUT	TPTH-ANELLO-1MM
83	1	TP11	ZC_IN	TPTH-ANELLO-1MM
84	1	TP13	VSS	TPTH-PERNO-13MM
85	1	T1A	TDK SRW13EP-X07S002	TRAFO-TDK-SRW13EP-X07
86	1	T1	WE 750-510-231	TRAFO-TDK-SRW13EP
87	1	U2	ST75MM	QFN50P700X700X80-49N
88	1	U3	STM32F103RGT7	QFP050P-1200X1200X160-64
89	1	U4	LK112SM33TR	SOT23-5
90	1	U5	USBLC6-2P6	SOT-666
91	1	U6	M25P10-A	SOP127P-620X168-8
92	1	Y1	8MHz	XTAL-HC49U
93	1	Y2	NC	XTAL-HC49U