

STEVAL-ILL073V1

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	1	CN1	Power Jack				Through Hole	CUI	PJ-102B
2	7	C1,C2,C3,C4,C5,C6,C7	10uF	16 V	CERAMIC X7R	±20%	SMD 1206	Kemet	GRM31CR71C106KA12L
3	1	C8	6.8nF	50 V	CERAMIC X7R	±20%	SMD 0805	Murata	GRM2195C1H682JA01D
4	1	C9	47uF	25 V	CERAMIC X5R	±20%	SMD 1206	TDK	C3216X5R1E476M160AC
5	1	C10	220nF	50 V	CERAMIC X7R	±20%	SMD 0805	Taiyo Yuden	UMK212B7224KG-T
6	6	C11,C16,C24,C25,C26,C27	100nF	50 V	CERAMIC X7R	±20%	SMD 0805	Kemet	C0805C104K5RAC7210
7	1	C12	2.2uF	16 V	CERAMIC X7R	±20%	SMD 0805	TDK	C2012X7R1C225M125AB
8	1	C13	15nF	50 V	CERAMIC X7R	±20%	SMD 0805	Murata	GRM2195C1H153JA01D
9	1	C14	22uF	35 V	CERAMIC X5R	±20%	SMD 1206	TDK	C3216X5R1V226M160AC
10	1	C15	270pF	50 V	CERAMIC X7R	±20%	SMD 0805	Kemet	C0805C271J5GACTU
11	5	C17,C18,C19,C20,C21	1uF	16 V	CERAMIC X7R	±20%	SMD 0805	TDK	C2012X7R1C105M085AC
12	2	C22,C23	22pF	50 V	CERAMIC X7R	±20%	SMD 0805	Kemet	C0805C220J5GACTU
13	16	D1,D2,D3,D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14,D15,D16	LED_RGB	20 mA			PLCC-6	CREE	CLX6A-FKB-CJNRFJBB7A363
14	1	D17	SM4TY	33 V			SMA	ST	SM4T33CAY
15	1	D18	DIODE_BRIDGE	1.5 A/70 V			DFS	Fairchild	DF01S
16	1	D19	STPS3L40-Y	3 A/40 V			SMC	ST	STPS3L40SY
17	1	F1	FUSE-R	1.1A/72V			Through Hole	TE Connectivity	RXF110
18	8	J1,J3,J5,J7	JUMPER		Male		TH 2.54 mm	FCI	77311-101-14LF or equivalent
19		J2,J4,J6,J8	JUMPER_DNM		Male		TH 2.54 mm	FCI	77311-101-14LF or equivalent
20	1	J9	CON5		Female		TH 2.54 mm	FCI	66951-005 or equivalent
21	1	J10	CON4		Female		TH 2.54 mm	FCI	66951-004 or equivalent
22	1	J11	CON4_DNM		Male		TH 2.54 mm	FCI	77311-101-14LF or equivalent
23	1	J12	CON		SWIM		SMD	ERNI	284697
24	1	LD1	LED	20mA	Red		SMD 0805	Lite-On Inc	LTST-C170KRKT
25	1	L1	22uH	1.8 A			SMD Radial	Murata	22R223MC
26	16	R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13,R14,R15,R16	27R	0.125 W	Thick film	±1%	SMD0805	Panasonic	ERJ-6ENF27R0V
27	3	R17,R18,R19	18K	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF1802V
28	5	R20,R39,R40,R41,R42	10K	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF1002V
29	1	R21	2.2K	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF2201V
30	1	R22	180R	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF1800V
31	1	R23	5.1K	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF5101V
32	1	R24	3.3K	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF3301V
33	1	R25	220K	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF2203V
34	9	R26,R28,R32,R33,R34,R35,R36,R37,R38	100R	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF1000V
35	1	R27	680R	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF6800V
36	1	R29	330R	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF3300V
37	1	R30	POT_10K	.05 W		0.3	Through Hole	Alps	RK09K1130A70
38	1	R31	1K	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6ENF1001V
39	2	R43,R44	0R	0.125 W	Thick film	±1%	SMD 0805	Panasonic	ERJ-6GEY0R00V
40	1	S1	Push button	12 V/50 mA			SMD	Multicomp	DTSM-32S-B
41	3	S2,S3,S4	Tactile switch	50 V	4 pin		Through hole	C&K	611-PTS645SM952
42	3	U1,U2,U3	ALED1642GW	40mA/20V	LED driver		HTSSOP24	ST	ALED1642GWXTTR
43	1	U4	A7986A	3A / 38V	DC-DC		PowerSO-8	ST	A7986A
44	1	U5	LF33CDT-TRY	1A / 16V	LDO		DPAK	ST	LF33CDT-TRY
45	1	U6	STM8AF5268		Microcontroller		LQFP48	ST	STM8AF6268T
46	1	Y1	24MHz		Crystal	30 PPM	Through hole	CTS Electronic	ATS24A-E

USB - UART Bridge

47	2	C1,C2	20pF	50 V	CERAMIC X7R		SMD 0402	TDK	C1005C0G1H200J
48	5	C9,C13,C19,C20,C21	100nF	50 V	CERAMIC X7R		SMD 0402	TDK	C1005X5R1H104K050BB
49	2	C17,C22	4.7nF	50 V	CERAMIC X7R		SMD 0402	TDK	GRM155R71H472KA01D
50	2	C18,C23	15pF	50 V	CERAMIC X7R		SMD 0402	TDK	C1005C0G1H150J
51	1	CN1	USB-Mini B				SMD	Samtec Inc	MUSB-05-S-B-SM-A
52	1	J3	CON		Male		TH 2.54 mm	FCI	77311-101-14LF or equivalent
53	1	J5	Crystal	16 MHz			4-SMD	Abrakon	ABM10-16.000MHZ-E20-T
54	1	J6	CON		Male		TH 2.54 mm	FCI	77311-101-14LF or equivalent
55	2	R1,R16	1M	0.0625 W	Thin film	±1%	SMD 0402	Vishay	MCS04020C1004FE000
56	1	R8	4.7K	0.0625 W	Thin film	±1%	SMD 0402	Panasonic	ERJ-2RKF4701X
57	2	R10,R14	22R	0.0625 W	Thin film	±1%	SMD 0402	Panasonic	CRCW040222R0FKEDHP
58	1	R17	1.5K	0.0625 W	Thin film	±1%	SMD 0402	Panasonic	ERA-2AED152X
59	1	SW1	SPST	12 V/50 mA			SMD	Multicomp	DTSM-32S-B
60	1	U3	ESDAULC6-3BP6		USB protection		SOT666	ST	ESDAULC6-3BP6
61	1	U4	STM32F103T8U6		Microcontroller		VFQFPN 36 6x6x1	ST	STM32F103T8U6