

STEVAL-ISB041V1

BILL OF MATERIALS

Item	Quantity	Designator	Manufacturer	Part Number	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	tolerance	Package	Additional Notes
1	1	C1	TDK	C1005X5R0J106M050BC	10uF	6.3V	Ceramic X5R	20%	0402	
2	1	C2, C3	TDK	C1005X5R0J105	1.0uF	6.3V	Ceramic X5R	10%	0402	
4	1	C4	TDK	C1005X5R0J475	4.7uF	6.3V	Ceramic X5R	10%	0402	
5	9	C10, C11, C12, R5, R6, R8, R13, R16, R18		NOT ASSEMBLED	NOT ASSEMBLED		NOT ASSEMBLED		NOT ASSEMBLED	
6	2	J1, J15			Connector, Header		CONNECTOR, HEADER 7POS, 2.54mm pitch		CONNECTOR, HEADER 7POS, 2.54mm pitch	
7	6	J3, J7, J8, J9, J11, J23			Connector, Header		CONNECTOR, HEADER 3POS, 2.54mm pitch		CONNECTOR, HEADER 3POS, 2.54mm pitch	
8	1	J10			Connector, Header		CONNECTOR, HEADER 5POS, 2.54mm pitch		CONNECTOR, HEADER 5POS, 2.54mm pitch	
9	1	J13			Connector, Header		CONNECTOR, HEADER 2POS, 2.54mm pitch		CONNECTOR, HEADER 2POS, 2.54mm pitch	
10	1	J19	molex	47589-0001	Connector, uUSB		connector - uUSB - AB bottom		connector - USB - AB bottom	
11	1	J24			Connector, Header		CONNECTOR, HEADER 1POS, 2.54mm pitch		CONNECTOR, HEADER 1POS, 2.54mm pitch	
12	1	Q1			SMD green LED 0603		LED SMD green 0603 30mcd<range<100mcd ~120'		0603	LED green 0603
13	1	R1			3.3kΩ	0.0625W	Resistor SMD 0402 0.0625W 1%	1%	0402	
14	1	R2			33kΩ	0.0625W	Resistor SMD 0402 0.0625W 1%	1%	0402	
15	1	R3			0R	0.0625W	Resistor SMD 0402 0.0625W 1%	1%	0402	
16	1	R7			470Ω	0.0625W	Resistor SMD 0402 0.0625W 1%	1%	0402	
17	3	R4, R9, R11			10kΩ	0.0625W	Resistor SMD 0402 0.0625W 1%	1%	0402	
18	3	R10, R12, R14			100kΩ	0.0625W	Resistor SMD 0402 0.0625W 1%	1%	0402	
19	1	U1	STMicroelectronics	STBC02JR	STBC02JR				Flip Chip 30 400 um pitch	