

**STEVAL-ISB018V1 Bill of material**

Qty.	Component	Device	Value	Parts	Manufacturer/supplier
5	Ceramic capacitor	M/16V/X7R/0805 <sup>(1)</sup>	1.0 $\mu$ F	C1, C2, C3, C7, C8	Murata
1	Electrolytic capacitor	EEEFK1A151P	150 $\mu$ F	C4	Panasonic
1	Tantalum capacitor	M/16V/B <sup>(2)</sup>	10 $\mu$ F	C6	
2	LED	HSMG-C170		D1, D4	AVAGO Technologies
1	LED	HSMH-C170		D2	AVAGO Technologies
1	LED	HSMY-C170		D3	AVAGO Technologies
1	USB3.0 connector	GSB316441CEU	A type, plug	J2	Amphenol
1	USB3.0 connector	USB3-A-S-S-TH	A type, receptacle	J3	Samtec
1	Terminal block	ARK210/2EX		J4	GM <sup>®</sup> ELECTRONIC
1	Pin header 2r x 5p	PLD-10S	2.54 mm, straight, male	J5	GES <sup>®</sup> ELECTRONICS
1	Connector	DZZ-15BCNS-1	CANON, female	J6	HSUAN MAO TECHNOLOGY CO.,LTD
1	FET	BSS138	Q1		
1	Resistor	J/0805 <sup>(3)</sup>	18 k $\Omega$	R1	
1	Resistor	J/0805 <sup>(3)</sup>	6.2 k $\Omega$	R16	
1	Resistor	J/0805 <sup>(3)</sup>	15 k $\Omega$	R17	
1	Surface mount trimmer	3314G-1-503E	50 k $\Omega$	R18	BOURNS <sup>®</sup>
4	Resistor	J/0805 <sup>(3)</sup>	10 k $\Omega$	R19, R20, R21, R22	
2	Resistor	J/0805 <sup>(3)</sup>	100 k $\Omega$	R2, R3	
1	Surface mount trimmer	3314G-1-104E	100 k $\Omega$	R26	BOURNS
4	Resistor	J/0805 <sup>(3)</sup>	1.0 k $\Omega$	R9, R10, R11, R12	
6	Pin header 1r x 3p	PLS-03S	2.54 mm, straight, male	SW1, SW2, SW3, SW4, SW5, SW6	GES ELECTRONICS
6	Jumper	JUMPER/0	2.54 mm	Accessories (SW1, SW2, SW3, SW4, SW5, SW6)	GES ELECTRONICS
2	Pin header 1r x 4p	SIL40PZ / 4	2.54 mm, straight, female	(TP7-TP8-TP9-TP13), (TP5-TP6-TP11-TP12)	GM ELECTRONIC

Qty.	Component	Device	Value	Parts	Manufacturer/supplier
1	Pin header 1r x 3p	SIL40PZ / 3	2.54 mm, straight, female	(TP1-TP2-TP3)	GM ELECTRONIC
8	Pin header 1r x 1p	SIL40PZ /	1 straight, female	TP4, TP10, TP14, TP15, TP16, TP17, TP18, TP19	GM ELECTRONIC
1	IC	STCC5011, STCC5021 or STCC2540		U1	STMicroelectronics™
1	IC	ST715MR		U4	STMicroelectronics

1. SMD ... tolerance / voltage / size.
2. SMD ... tolerance / size.
3. SMD ... tolerance / voltage / dielectric / size.