

Bill of Materials for the DVK-SIP-SFEU-1-GEVK Evaluation Board



Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free	Comments
C1	1	CAP CER 8PF 25V NP0 0402	8pF	0.25pF	C0402	Murata Electronics North America	GRM1555C1E8R0CA01D	Yes	Yes	32kHz OSC NOT required for Sigfox firmware
C4	1	CAP CER 8PF 25V NP0 0402	8pF	0.25pF	C0402	Murata Electronics North America	GRM1555C1E8R0CA01D	Yes	Yes	32kHz OSC NOT required for Sigfox firmware
C103	1	CAP CER 4.7UF 6.3V XSR 0603	4.7uF	10%	C0603	Murata Electronics North America	GRM188R60J475KE19J	Yes	Yes	
LED1	1	Generic RED LED 0603	RED	-	LED0603	ROHM Semiconductor	SML-D12U1WT86	Yes	Yes	Any generic RED LED 0603, control current with R1
Q1	1	32kHz Oscillator	32.768kHz	20ppm	TF20	NDK (Nihon Dempa Kogyo Co. Ltd)	NX2012SA 32.768KHz EXS00A-MU00788	Yes	Yes	32kHz OSC NOT required for Sigfox firmware
R1	1	RES SMD 220 OHM 5% 1/16W 0402	220	5%	R0402	Yageo	RC0402JR-07220RL	Yes	Yes	
S1	1	Tactile Switch SPST-NO Top Actuated Surface Mount	TASTER4-PAD-SMD-SMALL	-	TASTER-SMALL-SMD-4PAD	C&K	PTS810 SJK 250 SMTR LFS	Yes	Yes	
SIP\$1	1	AX-SIP-SFEU-X-XX	-	-	SIP44	ON Semiconductor	AX-SIP-SFEU-X-XX	No	Yes	
X2	1	CONN SMA JACK STR 50OHM SMD	SMA-SMD	-	SMA-SMD	Linx Technologies Inc.	CONSMSA001-SMD-G	Yes	Yes	
X3	1	Generic header 2 rows, 5 positions, 2mm pitch	-	-	SMA-Mate	Harwin Inc.	M22-5320505	Yes	Yes	Any 2x5 2mm pitch surface mount header