



Bill of materials

Table 1. STEVAL-PMIC1LKV1 bill of materials

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	1	-	Table 2. STEVAL-PMIC1LM1A	Evaluation board	ST	Not available for separate sale
2	1	-	Table 3. STEVAL-USBNGV1	USB dongle	ST	Not available for separate sale

Table 2. STEVAL-PMIC1LM1A bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	2	BT1, BT2	-	Tactile Switches	C&K	KSC351JLFS
2	1	C1	100µF 50V	Aluminium Electrolytic Capacitor	Panasonic Electronic Components	EEE1HA101UP
3	5	CINTLDO, CLDO2OUT, CLDO4OUT, CLDO5OUT, CVIN	4.7µF 6.3V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM155R60J475ME47
4	2	CBUCK1IN, CBUCK2IN	10µF 10V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM188R61A106ME69D
5	2	CLDO3INA, CLDO3OUT	10µF 6.3V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM155R60J106ME05D
6	1	CIO1	0.1µF 16V	Multilayer Ceramic Capacitor X5R	Murata Electronics North America	GRM155R71C104KA88
7	2	CIO2, CLDO25IN	1µF 25V	Multilayer Ceramic Capacitor X5R	Murata Electronics North America	GRM155R61E105KA12
8	4	CVOUT1A, CVOUT1B, CVOUT2A, CVOUT2B	22µF 6.3V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM188R60J226MEA0
9	2	LX1, LX2	1µH	Power Inductors	Samsung Electro-Mechanics	CIGT201610LH1R0MNE
10	1	R1	470Ω	Thick Film Resistor	YAGEO	RC0603FR-07470RL
11	2	R2, R3	1.5kΩ	Thick Film Resistor	YAGEO	RE0603FRE071K5L
12	1	R4	0Ω	Thick Film Resistor	YAGEO	RC0603FR-070RL
13	1	LED1	Green Led	Standard LEDs - SMD GREEN WATER CLEAR	Kingbright	APT2012SGC
14	1	CN1	-	Headers & Wire Housings WR-PHD 2.54mm Hdr 8P Dual Str Gold	Würth Electronics Inc.	61300821121
15	1	CN2	-	Headers & Wire Housings WR-PHD 2.54mm Hdr	Würth Electronics Inc.	61300511021

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
				5P Single RA Gold		
16	5	CN3, CN13, JP2, JP3, JP4	-	Headers & Wire Housings WR-PHD 2.54mm Hdr 3P Single Str Gold	Wurth Electronics Inc.	61300311121
17	1	CN4	-	Headers & Wire Housings WR-PHD 2.54mm Hdr 4P Single Str Gold	Wurth Electronics Inc.	61300411121
18	7	CN5, CN6, CN7, CN8, CN9, CN10, CN12	-	Headers & Wire Housings WR-PHD 2.54mm Hdr 4P Dual Str Gold	Wurth Electronics Inc.	61300421121
19	1	JP1	-	Headers & Wire Housings WR-PHD 2.54mm 2Pin T HT Header	Wurth Electronics Inc.	61300211121
20	2	B1, B2	Jumpers	Female Straight Black Closed Top 2 Way 1 Row 2.54mm Pitch	RS	251-8503
21	1	IC1	STPMIC1LAPQR, WFQFN 28L	STPMIC1LA	ST	STPMIC1LAPQR

Table 3. STEVAL-USBDNGV1 bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	9	C1, C4, C6, C7, C8, C9, C10, C11, C13	0.10µF 50V	Capacitor	Murata Electronics North America	GRM155R61H104KE14
2	2	C2, C5	1.0µF 16V	Capacitor	Murata Electronics North America	GRM155R61C105KA12
3	1	C3	2.2µF 6.3V	Capacitor	Murata Electronics North America	GRM155R60J225KE01
4	1	CN1	USB 2.0, 30V/1A	Connector	Wurth Electronics Inc.	65100516121
5	1	D1		BidirTVSDiode	Kyocera AVX	GG0402055R042P
6	4	D2, D3, D4, D5		LED	Kingbright	APT1608LVBC/D
7	1	D6		LED	Kingbright	APT1608SYCK
8	1	D7		LED	Kingbright	APT1608SURCK
9	2	D8, D9	ESDALC6V1-1U2, C_0201_0603Metric	TVSDiode	ST	ESDALC6V1-1U2
10	1	F1		Fuse	Littelfuse Inc.	0466.250NRHF
11	1	FL1	ECMF02-2AMX6, QFN-6	ESD	ST	ECMF02-2AMX6
12	1	P1		Connector	Sullins Connector Solutions	PPPC051LGBN-RC
13	4	R1, R8, R12, R18	0 Ohms	Resistor	Rohm Semiconductor	PMR01ZZPJ000
14	4	R3, R5, R6, R10	1.5 kOhms	Resistor	Yageo	RC0402FR-071K5L

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
15	1	R11	180 Ohms	Resistor	Yageo	RC0402FR-07180RL
16	1	R13	100 Ohms	Resistor	Yageo	RC0402FR-07100RL
17	1	R14	220 Ohms	Resistor	Yageo	RC0402FR-07220RL
18	1	R15	270 Ohms	Resistor	Yageo	RC0402FR-07270RL
19	1	R16	10 kOhms	Resistor	Yageo	RC0402FR-0710KL
20	2	SW1, SW2		Button	C&K	KMR432NGULCLFS
21	1	U1		Level Translator BiDir	TI	LSF0204DRUTR
22	1	U2	LDK120C33R, SOT-323-5	LDO	ST	LDK120C33R
23	1	U3	LDK120C10R,SO T-323-5	LDO	ST	LDK120C10R
24	1	U4	STM32F303CCT6 , LQFP-48	MCU	ST	STM32F303CCT6
25	1	X1	8 MHz	Resonator	Murata Electronics	CSTNE8M00GH5L000R0

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