

Bill of materials

Table 1. STEVAL-PMIC25V1 bill of materials

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	1	-	Table 2. STEVAL-PMIC25M1	-	ST	Not available for separate sale
2	1	-	Table 3. STEVAL-USBNGV1	-	ST	Not available for separate sale

Table 2. STEVAL-PMIC25M1 bill of materials

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	3	BT1, BT2, BT3	-	Tactile Switches	C&K	PTS647SK38SMTR2LFS
2	1	C1	100µF 50V	Aluminium Electrolytic Capacitor	Panasonic Electronic Components	EEE1HA101UP
3	9	CIN, COU1L1, COU1L2, COU1L4, COU1L5, COU1L6, COU1L7, COU1L8, COU1LINT	4.7µF 6.3V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM155R60J475ME47
4	7	CINBK1, CINBK2, CINBK3, CINBK4, CINBK5, CINBK6, CINBK7	10µF 10V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM188R61A106ME69D
5	2	CINL3A, COU1L3A	10µF 6.3V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM155R60J106ME05D
6	4	CINL12, CINL56, CINL78, CVREF	1µF 25V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM155R61E105KA12D
7	1	CIO1	0.1µF 16V	Multilayer Ceramic Capacitor X5R	Murata Electronics North America	GRM155R71C104KA88
8	1	CIO2	1µF 25V	Multilayer Ceramic Capacitor X5R	Murata Electronics North America	GRM155R61E105KA12
9	14	COU1BK1A, COU1BK1B, COU1BK1C, COU1BK2A, COU1BK2B, COU1BK2C, COU1BK2D, COU1BK3A, COU1BK3B, COU1BK3C, COU1BK3D, COU1BK6A, COU1BK6B, COU1BK6C	22µF 6.3V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM188R60J226MEA0
10	10	COU1BK4A, COU1BK4B, COU1BK4C, COU1BK5A, COU1BK5B, COU1BK5C, COU1BK7A, COU1BK7B,	22µF 10V	Multilayer Ceramic Capacitors X5R	Murata Electronics North America	GRM21BR61A226ME51L

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
		COUTBK7C, COUTBK7D				
11	1	CVBUS	4.7µF 16V	Multilayer Ceramic Capacitor X5R	Murata Electronics North America	GRM188R61C475KE11D
12	3	LX1, LX6, LX7	0.68µH	Power Inductors	Murata Electronics North America	DFE201610E-R68M
13	2	LX2, LX3	0.68µH	Power Inductors	Murata Electronics North America	DFE252012F-R68M
14	2	LX4, LX5	2.2µH	Power Inductors	Murata Electronics North America	DFE201610E-2R2M
15	1	R1	470Ω	Thick Film Resistor	YAGEO	RC0603FR-07470RL
16	2	R2, R3	1.5kΩ	Thick Film Resistor	YAGEO	AF0603FR-071K5L
17	1	R4	0Ω	Thick Film Resistor	YAGEO	RC0603FR-070RL
18	1	LED1	Green Led	Standard LEDs - SMD GREEN WATER CLEAR	Kingbright	APT2012SGC
19	1	CN1	-	Headers & Wire Housings WR-PHD 2.54mm Hdr 8P Dual Str Gold	Würth Electronics Inc.	61300821121
20	1	CN2	-	Headers & Wire Housings WR-PHD 2.54mm Hdr 5P Single RA Gold	Würth Electronics Inc.	61300511021
21	1	CN3	-	Headers & Wire Housings WR-PHD 2.54mm Hdr 4P Single Str Gold	Würth Electronics Inc.	61300411121
22	1	CN4	-	Headers & Wire Housings WR-PHD 2.54mm Hdr 5P Single Str Gold	Würth Electronics Inc.	61300511121
23	18	CN5, CN6, CN7, CN8, CN9, CN10, CN11, CN12, CN13, CN14, CN15, CN16, CN17, CN18, CN19, CN20, CN21, CN22	-	Headers & Wire Housings WR-PHD 2.54mm Hdr 4P Dual Str Gold	Würth Electronics Inc.	61300421121
24	5	JP1, JP3, JP4, JP5, JP6	-	Headers & Wire Housings JUMPER SOCKET OPEN TOP BLUE	Harwin	M7583-05
25	1	IO1	VQFN6.5X6.5X0.9 56L PITCH 0.40	STPMIC25A, WFQFN 56L (6.5x6.5x0.9 mm)	ST	STPMIC25APQR

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	Würth Electronics Inc.	65100516121
5	1	D1		BidirTVSDiode	Kyocera AVX	GG0402055R042P
6	4	D2, D3, D4, D5		LED	Kingbright	APT1608LVBC/D

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
7	1	D6		LED	Kingbright	APT1608SYCK
8	1	D7		LED	Kingbright	APT1608SURCK
9	2	D8, D9	ST0201	TVSDiode	ST	ESDALC6V1-1U2
10	1	F1		Fuse	Littelfuse Inc.	0466.250NRHF
11	1	FL1	QFN-6L	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
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	SOT323-5L	LDO	ST	LDK120C33R
23	1	U3	SOT323-5L	LDO	ST	LDK120C10R
24	1	U4	LQFP 48 7x7x1.4 mm	MCU	ST	STM32F303CCT6
25	1	X1	8 MHz	Resonator	Murata Electronics	CSTNE8M00GH5L000R0

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