

## Bill of materials

Table 1. STEVAL-PDETECT1 bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	<a href="#">Table 2. STEVAL-PDETCS1</a>	-	Presence detection board	ST	Not available for separate sale
2	1	<a href="#">Table 3. STEVAL-FLTCB03</a>	-	34pin Flex Cable - 3cm	ST	Not available for separate sale
3	1	Lens	TMOS63-10 Lens	Far field of view lens	Fresnel Factory	TMOS63-10
4	1	Sensor Cover	IR136C0-IC09-A066, Lens/cover	ToF cover	Hornix	IR136C0-IC09-A066
5	1	Plastic Holder - 2 pieces	PF63_10 Holder, Plastic holder	Plastic Holder for Far field of view lens	-Custom made-molding	-
6	4	Screws	90 SLOTTED CSK SCREW, Screws	M2x0.4 - 8mm Flat Head Machine Screw Phillips Steel	RS-PRO	914-1762
7	4	Nuts	HEX NUT, STEEL, Nuts	M2x0.4 Hex Nut (4mm) Steel	RS-PRO	248-4551

Table 2. STEVAL-PDETCS1 bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	U5	STHS34PF80, OLGA-10L	Infrared sensor for presence and motion detection	ST	<a href="#">STHS34PF80</a>
2	1	U6	VD6283TX45/1, BGA6-ball	Hybrid filter multispectral sensor with light flicker engine	ST	<a href="#">VD6283TX45/1</a>
3	1	U2	VL53L8CXV0GC/1, LGA	VL53L8 series Time-of-Flight sensors	ST	<a href="#">VL53L8CXV0GC/1</a>
4	1	U3	STLQ020PUR, DFN6 2x2	200 mA ultra-low quiescent current LDO	ST	<a href="#">STLQ020PUR</a>
5	1	U4	ST1PS02BQTR, TQFN12	400 mA nano-quiescent synchronous step-down converter	ST	<a href="#">ST1PS02BQTR</a>
6	1	U1	ST2378ETTR, TSSOP20	8-bit Dual supply 1.71 V to 5.5 V level translator	ST	<a href="#">ST2378ETTR</a>
7	1	U7	ST1PS02CQTR, TQFN12	400 mA nano-quiescent synchronous step-down converter	ST	<a href="#">ST1PS02CQTR</a>
8	6	C1, C5, C9, C12, C17, C18	CL05B104JO5NNC, C0402, 16V, ±5%	CAP CER 0.1UF 16V X7R 0402	Samsung Electro-Mechanics	CL05B104JO5NNNC

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
9	1	C2	C1005X5R0J475K050BC, C0402, 6.3V, $\pm 10\%$	CAP CER 4.7UF 6.3V X5R 0402	TDK Corporation	C1005X5R0J475K050BC
10	2	C3, C14	CL05A106MP8N UB8, C0402, 10V, $\pm 20\%$	CAP CER 10UF 10V X5R 0402	Samsung Electro-Mechanics	CL05A106MP8NUB8
11	4	C4, C6, C10, C11	CL05A105JQ5NN NC, C0402, 6.3V, $\pm 5\%$	CAP CER 1UF 6.3V X5R 0402	Samsung Electro-Mechanics	CL05A105JQ5NNNC
12	4	C7, C8, C15, C16	6D476MAT2A, C0603, 6.3V, $\pm 20\%$	CAP CER 47UF 6.3V X5R 0603	KYOCERA AVX	06036D476MAT2A
13	1	C13	CL05B102JB5NF NC, C0402, 50V, $\pm 5\%$	CAP CER 1000PF 50V X7R 0402	Samsung Electro-Mechanics	CL05B102JB5NFNC
14	1	CN1	AXF6G3412A	CONN HDR 34POS SMD GOLD	Panasonic Electric Works	CONN HDR 34POS SMD GOLD
15	1	CN2	AXF5G3412A	CONN SOCKET 34POS SMD GOLD	Panasonic Electric Works	CONN SOCKET 34POS SMD GOLD
16	1	D1	APG1005CGC-T, L0402	LED GREEN CLEAR CHIP SMD	Kingbright	APG1005CGC-T
17	2	L1, L3	VLS252010HBX-2R2M-1, L1008, 1.76A	FIXED IND 2.2UH 1.76A 120MOHM SM	TDK Corporation	VLS252010HBX-2R2M-1
18	2	L2, L4	74438323100, L1008, 0.6A	FIXED IND 10UH 600MA 843MOHM SMD	Würth Elektronik	74438323100
19	2	R1, R2	AC0402JR-072K2 L, R0402, 1/16W, $\pm 5\%$	RES SMD 2.2K OHM 5% 1/16W 0402	YAGEO	AC0402JR-072K2L
20	5	R3, R4, R5, R18, R19	MCR01MZPJ473, R0402, 1/16W, $\pm 5\%$	RES SMD 47K OHM 5% 1/16W 0402	Rohm Semiconductor	MCR01MZPJ473
21	1	R6	CRCW04024K70 JNED, R0402, 1/16W, $\pm 5\%$	RES SMD 4.7K OHM 5% 1/16W 0402	Vishay Dale	CRCW04024K70JNED
22	4	R7, R12, R13, R14	RC1206JR-070R L, R0402, 1/4W	RES 0 OHM JUMPER 1/4W 1206	YAGEO	RC1206JR-070RL
23	1	R8	RC1005F154CS, R0402, 1/16W, $\pm 1\%$	RES SMD 150K OHM 1% 1/16W 0402	Samsung Electro-Mechanics	RC1005F154CS
24	1	R9	RC1005F124CS R0402 1/16W $\pm 1\%$ R0402 1/16W $\pm 1\%$	RES SMD 120K OHM 1% 1/16W 0402	Samsung Electro-Mechanics	RC1005F124CS
25	2	R10, R11	RT0402DRE0720 KL, R0402, 1/16W, $\pm 0.5\%$	RES SMD 20K OHM 0.5% 1/16W 0402	YAGEO	RT0402DRE0720KL
26	1	R15	CRCW0402280R FKED, R0402, 1/16W, $\pm 1\%$	RES SMD 280 OHM 1% 1/16W 0402	Vishay Dale	CRCW0402280RFKED

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
27	1	R16	CRCW04020000 Z0ED, R0402, 1/16W	RES SMD 0 OHM JUMPER 1/16W 0402 (not mounted)	Vishay Dale	CRCW04020000Z0ED
28	1	R17	CRCW04020000 Z0ED, R0402, 1/16W	RES SMD 0 OHM JUMPER 1/16W 0402	Vishay Dale	CRCW04020000Z0ED
29	3	R20, R21, R22	CRCW04021M00 FKED, R0402, 1/16W, ±1%	RES SMD 1M OHM 1% 1/16W 0402	Vishay Dale	CRCW04021M00FKED
30	1	SW1	CVS-03TB, 0.1A	SWITCH SLIDE DIP SPST 100MA 6V	Nidec Components Corporation	CVS-03TB

**Table 3. STEVAL-FLTCB03 bill of materials**

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	J1	AXF5G3412A smd	34Pin Connector - Socket	Panasonic Electric Works	AXF5G3412A
2	1	J2	AXF6G3412A smd	34Pin Connector - Plug	Panasonic Electric Works	AXF6G3412A



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