Bill of materials

Table 1. STEVAL-VL53L9 bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	3	R23, R24, R25	0R	RES, 0R, Jumper, 1/16W, 0402	Yageo	RC0402JR-070RL
2	4	C9, C12, C15, C16	1uF	CAP, CER, 1uF, 35V, X5R, 0402	Murata	GRM155R6YA105KE11D
3	2	R7, R8	2.2k	RES, 2.2k, 1%, 1/16W, 0402	Yageo	RC0402FR-072K2L
4	1	J2	2.54mm, T/H, Vert	CONN, HEADER, 08 POS, 8x1, 2.54mm, T/H, VERT	Harwin	M20-9990845
5	1	J3	3x1, 1.27mm, T/H, Male	CONN, HEADER, 3POS, 1.27MM, T/H, MALE	Harwin	M50-3530342
6	2	C8, C10	4.7uF	CAP, CER, 4.7uF, 6.3V, X5R, 0402	TDK	C1005X5R0J475K050BC
7	3	C14, C19, C20	10nF	CAP, CER, 10nF, 25V, X5R, 0402	AVX	04023D103KAT2A
8	5	C6, C7, C13, C17, C18	10uF	CAP, CER, 10uF, 6.3V, X5R, 0402	Murata	GRJ155R60J106ME11D
9	1	Y1	12MHz 50ppm	XTAL OSC XO 12MHZ CMOS SMD	ECS Inc.	ECS-2520MVLC-120-CN-TR
10	1	J1	22 way, 0.5 mm Pitch	Connector FFC and FPC 0.5MM 22 POS top contact	Hirose	FH12A-22S-0.5SH(55)
11	5	R2, R4, R6, R9, R20	47k	RES, 47k, 1%, 1/10W, 0402	Panasonic	ERJ2RKF4702X
12	7	C1, C2, C3, C4, C5, C11, C21	100nF	CAP, CER, 100nF, 10%, 50V, X7R, 0402	Murata	GRT155R71H104KE01D
13	1	JP3[1-2]	Black	JUMPER, 1.27MM, BLACK	Harwin	M50-1900005
14	1	U7	LDK130M12R, SOT23-5	IC, REG, LDO, 1.2V, 0.3A, SOT23-5	ST	LDK130M12R
15	1	U6	LDK130M18R, SOT23-5	IC, REG, LDO, 1.8V, 0.3A, SOT23-5	ST	LDK130M18R
16	1	U5	LDK130M28R, SOT23-5	IC, REG, LDO, 2.8V, 0.3A, SOT23-5	ST	LDK130M28R
17	1	U4	M24C64-DFCT6TP/K, WLCSP	IC EEPROM 64KBIT I2C 1MHZ 8WLCSP	ST	M24C64-DFCT6TP/K
18	2	U1, U2	PI4ULS3V204	IC, 4-Bit Bi-directional Level Shifter, TQFN3.5x3.5-14	Diodes Incorporated	PI4ULS3V204ZBEX
19	1	U3	VL53L9CXV0VE/1, OPTICAL LGA 12.1X5.1X4.5MM	VL53L9 ToF Module	ST	VL53L9CXV0VE/1
20	0	R17, R18	2.2k	RES, 2.2k, 1%, 1/16W, 0402	Yageo	RC0402FR-072K2L
21	0	R1, R3, R5, R10	47k	RES, 47k, 1%, 1/10W, 0402	Panasonic	ERJ2RKF4702X
22	0	JP3[2-3]	Black	JUMPER, 1.27MM, BLACK	Harwin	M50-1900005

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