



Bill of materials

Table 1. STEVAL-85CY12V bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	C1	0.1uF-100V	Capacitor, Ceramic, 0.1 uF, 100 V, X7R, 0603, AEC-Q200	Murata	GCJ188R72A104KA01D
2	1	C2	100nF-50V	Capacitor, Ceramic, 0.1 uF, 50 V, X8L, 0603, AEC-Q200	Murata	GCM188L81H104KA57#
3	1	C3	2.2uF	Capacitor, Ceramic, 2.2uF, 25V, X7S, 0603, AEC-Q200	Murata	GRT188C71E225KE13#
4	1	C5	33pF-100V	Capacitor, Ceramic,33pF, 100V, X8G, 0603, AEC-Q200	Murata	GCM1885G2A330JA16#
5	6	C122,C7,C6,C9,C 10,C123	22uF-25V	Capacitor, Ceramic, 22 uF, 25 V, X8L, 1210 AEC-Q200	Murata	GCM32EL8EF226KE08
6	3	C11,C8,C121	NC	Capacitor, Ceramic, 22 uF, 25 V, X8L, 1210 AEC-Q200	Not mounted	Not mounted
7	1	C15	NC	Capacitor, Ceramic,1nF, 100 V, X8G, 0603AEC- Q200	Not mounted	Not mounted
8	1	C16	10nF	AEC-Q200	KEMET	C0603X103K4RECAUTO
9	1	C17	NC	AEC-Q200	KEMET	C0603X221K3HACAUTO
10	4	C18,C33,C106,C1 19	10nF-100V	Capacitor, Ceramic, 0.01 ?F, 100 V, X7R, 0603, AEC-Q200	Murata	GCM188R72A103KA37J
11	10	C19,C100,C105,C 20,C21,C22,C23, C101,C102,C120	4.7uF-100V	Capacitor, Ceramic, 4.7 ?F, 100 V, X7S, 1210, AEC-Q200	Murata	GCM32DC72A475KE02L
12	2	C124,C125	Not mounted	Not mounted	Not mounted	Not mounted
13	6	C24,C25,C26,C27 ,C28,C29	100nF-100V	Capacitor, Ceramic, 0.1 ?F, 100 V, X7R, 0603, AEC-Q200	Murata	GCJ188R72A104KA01D
14	1	C30	33uF-100V	Capacitor, AL, 33 uF, 100 V, ±20%, AEC-Q200	Panasonic	EEE-FK2A330P
15	1	C31	NC	Not mounted	Not mounted	Not mounted
16	1	C32	100pF	AEC-Q200	Murata	GRT0335C1E101FA02#

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
17	1	C52	2.2nF	AEC-Q200	Murata	GRT033R70J222KE01#
18	1	C54	47nF	AEC-Q200	MULTICOMP PRO	MCT0603R473KCT
19	2	C103,C104	NC	Not mounted	Not mounted	Not mounted
20	1	C107	100nF-100V	Capacitor, Ceramic, 0.1 nF, 100 V, X7R, 0805, AEC-Q200	Murata	GCM21BR72A104KA37
21	11	C108,C109,C110, C111,C112,C113, C114,C115,C116, C117,C118	NC	Not mounted	Not mounted	Not mounted
22	2	D2,D3	BAS316-Q-SOD-323	Diode	Nexperia	BAS316-Q
23	1	D4	NC	Not mounted	Not mounted	Not mounted
24	1	J5	Strip 10	10Way, 1 Row, Straight Pin Header, 2,54 mm pitch, 6mm height	Samtec, Inc.	TS-110-G-A
25	1	L1	NC	Not mounted	Not mounted	Not mounted
26	1	L2	2.2uH	Coilcraft inductance 2.2uH	Coilcraf	XGL5050-222ME
27	1	L3	NC	Not mounted	Not mounted	Not mounted
28	1	L4	ZC1818-822	Coilcraft inductance 8.2uH	coilcraft	ZC1818-822
29	1	QH	IAUC60N10S5L110		Infineon	IAUC60N10S5L110
30	1	QL	IAUCN10S7N040		Infineon	IAUCN10S7N040
31	2	R1,R26	0R	Resistor, Chip, 0?, 1/10 W, 1%, 0603	TT ELECTRONICS	WCR0603-R005JI
32	5	R3,R11,R22,R23, R24	0	Resistor, Chip, 0?, 1/10 W, 1%, 0603	TT ELECTRONICS	WCR0603-R005JI
33	1	R5	510	Resistor, Chip, 510?, 1/10 W, 1%, 0603	MULTICOMP PRO	MCHVR03FTEX5103
34	3	R7,R8,R20	20k	Resistor, Chip, 20k?, 1/10 W, 1%, 0603	MULTICOMP PRO	MP003565
35	1	R9	200k	Resistor, Chip, 200k?, 1/10 W, 1%, 0603	MULTICOMP PRO	MCMR06X2003FTL
36	1	R10	26k1	Resistor, Chip, 26k1?, 1/10 W, 1%, 0603	MULTICOMP PRO	MCWF06R2612BTL
37	1	R12	13k3	Resistor, Chip, 13.3k?, 1/10 W, 1%, 0603	MULTICOMP PRO	MCWR06X1332FTL
38	1	R13	2k49	Resistor, Chip, 2.49k?, 1/10 W, 1%, 0603	MULTICOMP PRO	MCWR06X2491FTL

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
39	1	R14	220	Resistor, Chip, 220?, 1/10 W, 1%, 0603	MULTICOMP PRO	MCMR06X2200FTL
40	1	R15	NC	Resistor, Chip, 2.2?, 1/4 W, 1%, 0805	MULTICOMP PRO	MP000075
41	1	R16	3R6	Resistor, Chip, 3.6k?, 1/10 W, 1%, 0603	MULTICOMP PRO	MP003554
42	3	R17,R27,R28	NC	Not mounted	Not mounted	Not mounted
43	1	R18	NC	Not mounted	Not mounted	Not mounted
44	1	R19	18k	Resistor, Chip, 18k?, 1/10 W, 1%, 0603	MULTICOMP PRO	MCMR06X1802FTL
45	1	R21	1k5	Resistor, Chip, 1.5k?, 1/10 W, 1%, 0603	MULTICOMP PRO	MCWR06X1501FTL
46	1	U1	DCP85CPURY	DCP85CPURY	ST	DCP85CPURY
47	1	U15	Choke	CMLA0907-701-R 10mmx7,5mm 5	EATON	CMLA0907-701-R
48	4	X1,X2,X3,X4	HEADER 2	faston	TE Connectivity / AMP	1742803-1
49	1	X5	SwitchOver	2 Way, 1 Row, Straight Pin Header, 2,54 mm pitch, 6mm height	TE Connectivity	826936-2
50	1	X6	Dith_in	2 Way, 1 Row, Straight Pin Header, 2,54 mm pitch, 6mm height	TE Connectivity	826936-2

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