

STEVAL-SPIN3201 - Rev. 3

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	14	C1, C5, C7, C8, C9, C11, C26, C27, C28, C29, C33, C34, C37, C40	100NF	50V	CER	15%	603	N.A.	100NF_50V_X7R_0603
2	1	C2	22UF	63V	ALU	20%	L8.3_W8.3_H9.5	PANASONIC	EEEFK1J220P
3	4	C3, C25, C41, C42	220NF	100V	CER	15%	805	N.A.	220NF_100V_X7R_0805
4	1	C4	10UF	25V	ALU	20%	D4_H5.5	WURTH ELEKTRONIK	865080440002
5	1	C6	3.3NF	50V	CER	15%	603	N.A.	3.3NF_50V_X7R_0603
6	1	C10	47UF	6.3V	CER	20%	805	N.A.	47UF_6.3V_X5R_0805
7	3	C12, C13, C21	1NF	50V	CER	15%	603	N.A.	1NF_50V_X5R_0603
8	2	C14, C18	4.7NF	50V	CER	15%	603	N.A.	4.7NF_50V_X7R_0603
9	3	C15, C19, C20	NP		CER		603	N.A.	C_NP_0603
10	2	C16, C17	220UF	63V	ALU	20%	L13.5_W13.5_H15	PANASONIC	EEVFK1J221Q
11	5	C22, C23, C24, C35, C36	10PF	50V	CER	10%	603	N.A.	10PF_50V_COG_0603
12	2	C30, C31	1UF	10V	CER	15%	603	N.A.	1UF_10V_X7R_0603
13	1	C32	10NF	50V	CER	15%	603	N.A.	10NF_50V_X7R_0603
14	2	C38, C39	220UF	63V	ALU	20%	D12.5_H22_P5	N.A.	220UF_63V_RADIAL_D12.5_H22_P5
15	1	DL1	RED		LED		603	WURTH ELEKTRONIK	150060RS75000
16	1	DL2	RED		LED		805	WURTH ELEKTRONIK	150080RS75000
17	2	DL3, DL4	YELLOW		LED		603	WURTH ELEKTRONIK	150060YS75000
18	1	D1	STPS1L60A		SCHOTTKY		SMA	STMICROELECTRONICS	STPS1L60A
19	1	D2	BAT30KFILM		SCHOTTKY		SOD523	STMICROELECTRONICS	BAT30KFILM
20	6	D3, D4, D5, D6, D7, D8	4148WS		DIODE		SOD323	N.A.	4148WS
21	2	JP1, JP4	OPEN		RES		805	N.A.	TIN-DROP OPEN
22	4	JP2, JP5, JP6, JP7	CLOSE		RES		805	N.A.	TIN-DROP CLOSE
23	1	JP3	61300311121		HEADER			WURTH ELEKTRONIK	61300311121
24	1	JUMPER	BLACK		JUMPER			WURTH ELEKTRONIK	60900213621
25	2	J1, J2	691213510002		SCREW			WURTH ELEKTRONIK	691213510002
26	1	J3	691213510003		SCREW			WURTH ELEKTRONIK	691213510003
27	1	J4	61300511121		HEADER			WURTH ELEKTRONIK	61300511121
28	1	J5	65100516121		USB			WURTH ELEKTRONIK	65100516121
29	1	J6	61300411121		HEADER			WURTH ELEKTRONIK	61300411121
30	2	J7, J8	61300211121		HEADER			WURTH ELEKTRONIK	61300211121
31	1	LD2	RED-GREEN		LED		PLCC4	AVAGO	HSMF-A201-A00J1
32	1	L1	22uH	0.6A	INDUCTOR	20%	L3_W3_H1.5	BOURNS	SRN3015-220M
33	1	M8	GW_REV3		PCB			N.A.	PCB GW rev3 - 2 layers
34	4	N1, N2, N3, N4	NETS_L1_W0.5		COPPER			N.A.	NETS_L1_W0.5
35	6	Q1, Q2, Q3, Q4, Q5, Q6	N-MOS		CMS		DPAK	STMICROELECTRONICS	STD140N6F7
36	1	Q7	NPN		CMS		SOT23	ON SEMICONDUCTOR	BC847BL
37	1	R1	39K	1/10W	RES	5%	603	N.A.	39K_5%_0603
38	7	R2, R7, R8, R62, R63, R67, R73	100R	1/10W	RES	5%	603	N.A.	100R_5%_0603

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39	1	R3	330R	1/10W	RES	5%	603	N.A.	330R_5%_0603
40	2	R4, R5	120R	1/10W	RES	5%	603	N.A.	120R_5%_0603
41	1	R6	100K	1/2W	TRIMMER	10%	L9.5_W4.9_H9.5	BOURNS	3386G-1-104-LF
42	3	R9, R19, R28	13.7K	1/10W	RES	1%	603	N.A.	13.7K_1%_0603
43	1	R10	169K	1/8W	RES	1%	805	N.A.	169K_1%_0805
44	3	R11, R48, R49	680R	1/8W	RES	5%	805	N.A.	680R_5%_0805
45	6	R12, R15, R20, R25, R29, R34	27.4K	1/10W	RES	1%	603	N.A.	27.4K_1%_0603
46	6	R13, R14, R21, R24, R30, R33	1.78K	1/10W	RES	1%	603	N.A.	1.78K_1%_0603
47	1	R16	9.31K	1/8W	RES	1%	805	N.A.	9.31K_1%_0805
48	6	R17, R22, R31, R35, R39, R41	10R	1/10W	RES	5%	603	N.A.	10R_5%_0603
49	6	R18, R23, R32, R36, R40, R42	62R	1/10W	RES	5%	603	N.A.	62R_5%_0603
50	6	R26, R27, R37, R38, R44, R45	0.02R	2W	RES	5%	2512	N.A.	0R02_1%_2512
51	1	R43	75K	1/10W	RES	1%	603	N.A.	75K_1%_0603
52	6	R46, R47, R76, R77, R78, R79	0R	1/10W	RES	5%	603	N.A.	0R_5%_0603
53	3	R50, R51, R52	2.2K	1/10W	RES	5%	603	N.A.	2.2K_5%_0603
54	5	R53, R54, R55, R65, R71	10K	1/10W	RES	5%	603	N.A.	10K_5%_0603
55	3	R56, R57, R58	1K	1/10W	RES	5%	603	N.A.	1K_5%_0603
56	4	R59, R60, R61, R72	NP		RES		603	N.A.	R_NP_0603
57	1	R64	1.5K	1/10W	RES	5%	603	N.A.	1.5K_5%_0603
58	1	R66	36K	1/10W	RES	5%	603	N.A.	36K_5%_0603
59	1	R68	2.7K	1/10W	RES	5%	603	N.A.	2.7K_5%_0603
60	3	R69, R74, R75	4.7K	1/10W	RES	5%	603	N.A.	4.7K_5%_0603
61	2	R70, R80	100K	1/10W	RES	5%	603	N.A.	100K_5%_0603
62	3	SW1, SW2, SW3	430483025816		BUTTON		L6.2_W6.2_H2.5	WURTH ELEKTRONIK	430483025816
63	15	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15	S1751-46R		TEST POINT			HARWIN	S1751-46R
64	2	TP16, TP17	NEEDLE-PAD-1.7mm		TEST POINT			N.A.	NEEDLE-PAD-1.7mm
65	1	U2	USBLC6-2SC6		TVS/ESD/EMI		SOT23-6L	STMICROELECTRONICS	USBLC6-2SC6
66	1	U3	LD3985M33R		CONVERTER		SOT23-5	STMICROELECTRONICS	LD3985M33R
67	1	U4	STM32F103CBT6		MCU		LQFP48	STMICROELECTRONICS	STM32F103CBT6
68	1	U5	STSPIN32F0		DRIVER		VFQFPN48_L7_W7_P.5	STMICROELECTRONICS	STSPIN32F0
69	1	X1	8MHZ		QUARTZ		L3.2_W2.5	NDK	NX3225GD-8MHZ-STD-CRA-3

Revision history: November 2017

Changed value of:

R9, R12, R13, R14, R15, R19, R20, R21, R24, R25, R28 R29, R30, R33, R34

C15, C19, C20

For more detail refer to STEVAL-SPIN3201 user manual