



Bill of materials

Table 1. STEVAL-DPSG474Q bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	23	C1 C2 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C28 C49 C56 C58 C67 C69 C74 C76	0.1uF	CAP CER 0.1UF 50V X7R 0603	Würth Electronics Inc.	885012206095
2	2	C3 C4	15pF	CAP CER 15pF 50V COG 0603	Würth Electronics Inc.	885012006052
3	30	C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48	10pF	CAPACITOR CERAMIC SMD 0402	Würth Electronics Inc.	885012005025
4	20	C50 C51 C52 C53 C59 C60 C61 C62 C63 C64 C65 C66 C70 C71 C72 C73 C77 C78 C79 C80	10pF	CAPACITOR CERAMIC SMD 0603	Würth Electronics Inc.	885012006017
5	1	C54	10uF	CAP CER 10UF 16V X5R 0805	Würth Electronics Inc.	885012107014
6	1	C55	100uF 16V	Cap Alu Electrolytic SMD; 6.3 mm D X 5.40 mm H body	Nichico2	UWX1C101MCL1GB
7	1	C57	470nF	CAP CER 0.47UF 25V X7R 0603	Würth Electronics Inc.	885012206075
8	2	C68 C75	1uF	CAP CER 1UF 25V X7R 0603	Würth Electronics Inc.	885012206076
9	1	CN1	ANALOG_EXT	CONN HEADER SMD 14POS 1.27MM	Samtec Inc.	FTSH-107-01-F-DV-K- P-TR
10	1	CN2	DIGITAL_EXT	CONN HEADER SMD 14POS 1.27MM	Samtec Inc.	FTSH-107-01-F-DV-K- P-TR
11	1	D1	LED BLUE	LED BLUE 0603 SMD	Vishay Semiconductor Opto Division	VLMB1310-GS08
12	1	D2	LED GREEN	LED GREEN CLEAR 0603 SMD	Würth Elektronik	150060GS75000
13	1	D3	LED YELLOW	LED YELLOW CLEAR 0603 SMD	Würth Electronics Inc.	150060YS75000
14	1	D4	RED LED	LED RED CLEAR 0603 SMD	Würth Electronics Inc.	150060RS75000
15	2	D5 D7	ESDALC6V1-1U2	TVS DIODE 3VWM ST0201	STMicroelectronics	ESDALC6V1-1U2
16	1	D6	LED GREEN RED	LED GREEN/RED CLEAR 4PLCC SMD	Würth Electronics Inc.	150141RV73100
17	2	IC1 IC2	ESDALC6V1W5, SOT323-5L	TVS DIODE 3V SOT323-5	ST	ESDALC6V1W5
18	3	J1 J2 J5	con4-strip-male	CONN HEADER .100 STR 4POS	Würth Electronics Inc.	61300411121

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
19	1	J3	COM ISO	CONN FEMALE-ON-BRD 4POS VERT T/H	TE Connectivity AMP Connectors	215079-4
20	1	J4	COM	CONN FEMALE-ON-BRD 4POS VERT T/H	TE Connectivity AMP Connectors	215079-4
21	1	J6	FTSH-107-01-L-DV-K-A	CONN HEADER SMD 14POS 1.27MM	Samtec Inc.	FTSH-107-01-L-DV-K-A
22	1	J7	USB2.0 MICRO	CONN RCPT USB2.0 MICRO B SMD R/A	Würth Elektronik	629105136821
23	4	J8 J9 J10 J16	Con2	CONN HEADER 2POS VERT T/H	Amphenol FCI	77311-118-02LF
24	1	J11	Con68	CONN HEADER 1.27MM 68POS SMD RA	Phoenix Contact	1377304
25	1	J12	Con32	CONN HEADER 1.27MM 32POS SMD RA	Phoenix Contact	1377301
26	2	J13 J14	JUMPER	TIN DROP JUMPER 0603 3pin	NM	NM
27	1	J15	Ext Supply	CONN TERM BLOCK 2.54MM 2POS	Phoenix Contact	1725656
28	1	JP1	STRIP_2X3	WR-PHD Series Straight Through Hole Pin Header, 6 Contact(s), 2.54mm Pitch, 2 Row(s), Unshrouded	Würth Electronics Inc.	61300621121
29	1	JUMPER1	60900213421	Jumper Female Straight Black Open Top 2 Way 1 Row 2.54mm	Würth Electronics Inc.	60900213421
30	2	L1 L2	WE-CBF	INDUCTOR SMD 0603	Würth Electronics Inc.	7427927141
31	2	R1 R5	47R	CHIP RESISTOR SMD 1% 1/10W 0603	Yageo	RC0603FR-0747RL
32	2	R2 R6	39	RES SMD 39 OHM 1% 1/10W 0603	Panasonic Electronic Components	ERJ-3EKF39R0V
33	3	R3 R4 R7	0	CHIP RESISTOR SMD 1% 1/10W 0603	Yageo	RC0603FR-070RL
34	2	R8 R9	2k	CHIP RESISTOR SMD 1% 1/10W 0603	Bourns	CR0603-FX-2001ELF
35	4	R10 R11 R13 R14	1k	CHIP RESISTOR SMD 1% 1/10W 0603	Bourns	CR0603-FX-1001ELF
36	1	R12	100	CHIP RESISTOR SMD 1% 1/10W 0603	Bourns	CR0603-FX-1000ELF
37	2	R15 R16	10k	CHIP RESISTOR SMD 1% 1/10W 0603	Bourns	CR0603-FX-1002ELF
38	20	R17 R18 R19 R20 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35 R36 R37	10R	CHIP RESISTOR SMD 1% 1/10W 0603	Stackpole Electronics	RMCF0603FT10R0
39	1	R21	0	CHIP RESISTOR SMD 1% 1/4W 1206	Yageo	RC1206JR-070RL
40	2	S1 S2	FSM4JSMA	Black Button Tactile Switch, Single Pole Single Throw (SPST) 50 mA @ 24 V dc 1.4mm Surface Mount	TE Connectivity ALCOSWITCH Switches	FSM4JSMA

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
41	16	TP1 TP2 TP5 TP6 TP7 TP8 TP11 TP12 TP15 TP16 TP17 TP20 TP21 TP30 TP33 TP48	5001	TEST POINT PC MINI .040"D BLACK	Keystone Electronics	5001
42	32	TP3 TP4 TP9 TP10 TP13 TP14 TP18 TP19 TP22 TP23 TP24 TP25 TP26 TP27 TP28 TP29 TP31 TP32 TP34 TP35 TP36 TP37 TP38 TP39 TP40 TP41 TP42 TP43 TP44 TP45 TP46 TP47	RCU-0C	Metal Foil Resistors - SMD 0603 PROBE PAD	TE Connectivity	RCU-0C
43	1	U1	STM32G474QET6, LQFP 128 14x14x1.4 mm	MAINSTREAM ARM CORTEX-M4 CORE WI	ST	STM32G474QET6
44	1	U2	ACSL-6210	OPTOISO 2.5KV 2CH OPEN COLL 8SO	Broadcom Limited	ACSL-6210-50RE
45	1	U3	LD1117S33CTR	IC REG LINEAR 3.3V 800MA SOT223	STMicroelectronics	LD1117S33CTR

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