

Bill of materials

Table 1. STEVAL-TTM005A bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	C1	390pF, 0603 (1608 Metric)	CAPACITOR CERAMIC SMD 0603	Any	Any
2	6	C2 C3 C7 C9 C10 C27	0.1uF, 0603 (1608 Metric), 16V, +/-10%	CAP CER 0.1UF 16V X7R 0603	Würth Electronics Inc.	885012206046
3	6	C5 C11 C13 C14 C22 C23	220pF, 0603 (1608 Metric), 50V, +/-10%	CAP CER 220PF 50V X7R 0603	Samsung	CL10B221KB8NNNC
4	1	C6	10uF, Radial, Can - SMD, 16V, +/-20%	CAP ALUM 10UF 20% 16V SMD	Panasonic	EEE-1CA100SR
5	1	C8	0.22uF, 0402 (1005 Metric), 16V, +/-10%	CAP CER 0.22UF 16V X7R 0402	Murata Electronics	GRM155R71C224KA12D
6	8	C12 C15 C16 C17 C21 C24 C25 C29	150pF, 0603 (1608 Metric), 100V, +/-5%	CAP CER 150PF 100V C0G 0603	TDK Corporation	CGA3E2C0G2A151J080AD
7	2	CN2 CN4	SSQ-108-04-F-S	CONN RCPT 8POS 0.1 GOLD PCB	Samtec Inc.	SSQ-108-04-F-S
8	1	CN3	SSQ-106-04-F-S	CONN RCPT 6POS 0.1 GOLD PCB	Samtec Inc.	SSQ-106-04-F-S
9	1	CN5	SSQ-110-04-F-S	CONN RCPT 10POS 0.1 GOLD PCB	Samtec Inc.	SSQ-110-04-F-S
10	1	CON1	con8-2x4-strip-female	CONN HEADER FEMALE .100 DUAL STR 8POS	Any	Any
11	1	CON2	con4-2x2-strip-female	CONN HEADER FEMALE .100 DUAL STR 4POS	Sullins Connector Solutions	PPTC022LFBN-RC
12	1	CON3	con6-2x3-strip-male	CONN HEADER .100 DUAL STR 6POS	Any	Any
13	7	FB1 FB2 FB3 FB4 FB5 FB6 FB7	120Ohms@100M Hz, 0603 (1608 Metric), 2A	FERRITE BEAD 120 OHM 0603 1LN	Murata Electronics	BLM18PG121SN1D
14	1	J2	MOR2	CONN TERM BLOCK 2.54MM 2POS	Phoenix Contact	1725656
15	9	R1 R3 R4 R7 R9 R10 R11 R16 R24	10k, 0603 (1608 Metric), 0.1W, 1/10W, +/- 1%	RES SMD 10K OHM 1% 1/10W 0603	Yageo	RC0603FR-0710KL
16	1	R2	15k, 0603 (1608 Metric), 0.1W, 1/10W, +/-1%	RES SMD 15K OHM 1% 1/10W 0603	Yageo	RC0603FR-0715KL

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
17	6	R5 R8 R15 R20 R23 R28	10k, 0603 (1608 Metric), 0.1W, 1/10W, +/-0.1%	CHIP RESISTOR SMD 1% 1/10W 0603	Any	Any
18	6	R6 R12 R13 R17 R21 R25	470R, 0603 (1608 Metric), 0.1W, 1/10W, +/-1%	CHIP RESISTOR SMD 1% 1/10W 0603	Any	Any
19	4	R14 R18 R22 R26	12k, 0603 (1608 Metric), 0.1W, 1/10W, +/-0.1%	CHIP RESISTOR SMD 1% 1/10W 0603	Any	Any
20	2	R19 R27	20k, 0603 (1608 Metric), 0.1W, 1/10W, +/- 0.1%	CHIP RESISTOR SMD 1% 1/10W 0603	Any	Any
21	1	R29	0603 (1608 Metric), 0.1W, 1/10W Jumper	RES SMD 0.00HM JUMPER 1/10W 0603	Yageo	RC0603JR-070RL
22	10	TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP9 TP10 TP11	TESTPOINT, 0.100" Dia x 0.180" L (2.54mm x 4.57mm)	TEST POINT PC MINI .040"D RED	Keystone Electronics	5000
23	1	U2	TSV911ILT, SC-74A, SOT-753, SOT23-5L	IC OPAMP GP 8MHZ RRO SOT23-5	ST	TSV911ILT
24	1	U5	LF50CDT-TR, TO-252-3, DPak (2 Leads + Tab), SC-63	IC REG LINEAR 5V 500MA DPAK	ST	LF50CDT-TR
25	1	U6	TSB582IYDT, SO8 exposed pad	DUAL Operation Amplify	ST	TSB582IYDT
26	1	U7	TSB514IYPT, 14-TSSOP (0.173", 4.40mm Width)	RAIL-TO-RAIL INPUTS AND OUTPUTS,	ST	TSB514IYPT
27	1	No Reference PCB	2 layer FR4, Standard TG (130-140) 52x67x1.6 mm	copper thickness 35 micron	Any	Any

IMPORTANT NOTICE – READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgment.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, refer to www.st.com/trademarks. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2024 STMicroelectronics – All rights reserved