

## Bill of materials

Table 1. STEVAL-2STPD01 bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	Table 2. Expansion board bill of materials		Expansion board	ST	
2	1	NUCLEO-G071RB (for the related BOM, see the relevant web page).		Development board	ST	NUCLEO-G071RB

Table 2. Expansion board bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	C200	10 $\mu$ F, 0603 (1608 Metric), 35 V, $\pm$ 20 %	CAP CER 10UF 35V X5R 0603	Murata Electronics	GRM188R6YA106MA73D
2	8	C401 C402 C408 C502 C601 C602 C608 C702	0.1 $\mu$ F, 0603 (1608 Metric), 50 V, $\pm$ 10 %	CAP CER 0.1UF 50V X7R 0603	Würth Elektronik	885012206095
3	1	C201	22 $\mu$ F, 2312 (6032 Metric), 25 V, $\pm$ 10 %	CAP TANT 22UF 10% 25V 2312	Vishay Sprague	TR3C226K025C0425
4	1	C202 N.M.	220 $\mu$ F, 0603 (1608 Metric), 50 V, $\pm$ 10 %	CAPACITOR CERAMIC SMD 0603	Any	Any
5	1	C203	0.22 $\mu$ F, 0603 (1608 Metric), 16 V, $\pm$ 10 %	CAP CER 0.22UF 16V X7R 0603	Würth Elektronik	885012206048
6	1	C204	2.2 $\mu$ F, 0805 (2012 Metric), 16 V, $\pm$ 10 %	CAP CER 2.2UF 16V X7R 0805	TDK Corporation	C2012X7R1C225K125AB
7	1	C205	0.1 $\mu$ F, 0402 (1005 Metric), 16 V, $\pm$ 10 %	CAP CER 0.1UF 16V X7R 0402	Würth Elektronik	885012205037
8	1	C206	0.47 $\mu$ F, 0603 (1608 Metric), 16 V, $\pm$ 10 %	CAP CER 0.47UF 16V X7R 0603	TDK Corporation	C1608X7R1C474K080AC
9	1	C207	1 $\mu$ F, 1206 (3216 Metric), 100 V, $\pm$ 10 %	CAP CER 1UF 100V X7R 1206	TDK Corporation	C3216X7R2A105K160AA
10	6	C400 C409 C410 C600 C609 C610	1 $\mu$ F, 0603 (1608 Metric), 16 V, $\pm$ 10 %	CAP CER 1UF 16V X7R 0603	Würth Elektronik	885012206052
11	2	C403 C603	68 $\mu$ F, SMD, J-Lead, 25 V, $\pm$ 10 %	CAP CER 68UF 25V X7R SMD	Murata Electronics	KRM55WR71E686MH01K
12	4	C404 C406 C604 C606 N.M.	68 $\mu$ F, SMD, J-Lead, 25 V, $\pm$ 20 %	CAP CER 68UF 25V X7R SMD	Murata Electronics	KRM55WR71E686MH01K

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
13	4	C405 C414 C605 C614	10 $\mu$ F, 1206 (3216 Metric), 50 V, $\pm$ 20 %	CAP CER 10UF 50V X5R 1206	Murata Electronics	GRT31CR61H106ME01L
14	2	C407 C607	47 $\mu$ F, Stacked SMD, 2 J-Lead, 35 V, $\pm$ 10 %	CAP CER 47UF 35V X7R SMD	Murata Electronics	KRM55WR7YA476MH01K
15	2	C411 C611	10000 pF, 0603 (1608 Metric), 25 V, $\pm$ 10 %	CAP CER 10000PF 25V X7R 0603	Würth Elektronik	885012206065
16	4	C412 C504 C612 C704	0.1 $\mu$ F, 0603 (1608 Metric), 25 V, $\pm$ 10 %	CAP CER 0.1UF 25V X7R 0603	Würth Elektronik	885012206071
17	4	C413 C505 C613 C705	0.22 $\mu$ F, 0603 (1608 Metric), 25 V, $\pm$ 10 %	CAP CER 0.22UF 25V X7R 0603	Würth Elektronik	885012206073
18	2	C415 C615 N.M.	10 $\mu$ F, 1206 (3216 Metric), 50 V	CAP CER 10UF 50V X5R 1206	Würth Elektronik	885012108022
19	2	C500 C700	4.7 $\mu$ F, 1206 (3216 Metric), 50 V, $\pm$ 10 %	CAP CER 4.7UF 50V X7R 1206	Würth Elektronik	885012208094
20	4	C501 C503 C701 C703	200 pF, 0402 (1005 Metric), 50 V, $\pm$ 5 %	CAP CER 200PF 50V NP0 0402	Murata Electronics	GCM1555C1H201JA16D
21	2	C800 C801 N.M.	CAP, 1206 (3216 Metric)	CAPACITOR CERAMIC SMD 1206 X7R	Any	Any
22	2	CN300 CN301	ESQ-119-24-T-D	CONN RCPT 38POS 0.1 GOLD PCB	Samtec Inc.	ESQ-119-24-T-D
23	2	CN302 CN305 N.M.	61300811821	CONN RCPT 8POS 0.1 GOLD PCB	Würth Elektronik	61300811821
24	1	CN303 N.M.	61301011821	CONN RCPT 10POS 0.1 GOLD PCB	Würth Elektronik	61301011821
25	1	CN304 N.M.	61300611821	CONN RCPT 6POS 0.1 GOLD PCB	Würth Elektronik	61300611821
26	2	CN500 CN700	WE-632723300011	USB 3.1 TYPE C RECEPTACLE THT/SM	Würth Elektronik	632723300011
27	1	D200	SMM4F28A-TR, STmiteFlat, 400 W	TVS in STmiteFlat	ST	<a href="#">SMM4F28A-TR</a>
28	1	D201	LED RED, 0805 (2012 Metric), 20 mA	LED RED CLEAR 0805 SMD	Würth Elektronik	150080RS75000
29	2	D400 D600	LED GREEN, 0805 (2012 Metric), 20 mA	LED GREEN CLEAR 0805 SMD	Würth Elektronik	150080GS75000
30	2	D401 D601	LED BLUE, 0805 (2012 Metric), 20 mA	LED BLUE CLEAR 0805 SMD	Würth Elektronik	150080BS75000

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
31	2	D500 D700	ESDA25P35-1U1M, QFN-2L, 1400 W (1.4 kW) W	High-power transient voltage suppressor	ST	ESDA25P35-1U1M
32	1	FB1	600 Ohm@100MHz, 0603 (1608 Metric), 200 mA	FERRITE BEAD 600 OHM 0603 1LN	Würth Elektronik	742861160
33	1	J200	con2-strip-male	CONN HEADER VERT 2POS 2.54MM	Würth Elektronik	61300211121
34	1	J800	DC_POWER_JACK	CONN PWR JACK 2.05X5.5MM SOLDER	Würth Elektronik	694106105102
35	1	J801	CON2	5.08 MM TERMINAL BLOCK, HORIZONT	Würth Elektronik	691213510002
36	5	JP800 JP801 JP802 JP803 JP804	SHORT	2 PIN SHORTED TO CONNECT DIFFERENT NETS	Any	Any
37	1	L200	BNX002-11	EMI Filter Circuits 12.5mm 50V 10A 100Mohm EMI Filter	Murata Electronics	BNX002-11
38	1	L201	47 $\mu$ H, Nonstandard, $\pm$ 20 %	FIXED IND 47UH 560MA 987 MOHM	Würth Elektronik	74404041470
39	2	L400 L600	10 $\mu$ H, 7 A, $\pm$ 20 %	Fixed Inductors 10uH Shld 20% 7A 29.82mOhms AECQ2	Coilcraft	XAL6060-103MEB
40	1	Q200	STL9P3LLH6, PowerFLAT-3.3x3.3 -8	P-channel -30 V, 12 mOhm typ., 9 A STripFET H6 power MOSFET	ST	STL9P3LLH6
41	4	Q400 Q401 Q600 Q601	2N7002E-T1-GE3, SOT-23-3	MOSFET 60V 240mA 0.35W 3.0ohm @ 10V	Vishay Semiconductors	2N7002E-T1-GE3
42	4	Q500 Q501 Q700 Q701	STL11N3LLH6, PowerFLAT, 3.3 x 3.3	N-channel 30 V, 6 mOhm typ., 11 A STripFET H6 power MOSFET	ST	STL11N3LLH6
43	1	R200	100k, 0402 (1005 Metric), 0.063W, 1/16 W, $\pm$ 1 %	CHIP RESISTOR SMD 1% 1/16W 0402	Yageo	RC0402FR-07100KL

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
44	1	R201	91 k, 0402 (1005 Metric), 0.063W, 1/16 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/16W 0402	KOA	RK73H1ETTP9102F
45	1	R202	210 k, 0402 (1005 Metric), 0.063W, 1/16 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/16W 0402	KOA	RK73H1ETTP2103F
46	1	R203	20 k, 0805 (2012 Metric), 0.125W, 1/8 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/8W 0805	Yageo	RC0805FR-0720KL
47	1	R204	13 k, 0402 (1005 Metric), 0.063W, 1/16 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/16W 0402	KOA	RK73H1ERTTP1302F
48	1	R205	0, 0805 (2012 Metric), 0.125W, 1/8 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/8W 0805	Yageo	RC0805JR-070RL
49	13	R206 R401 R407 R504 R509 R601 R607 R704 R709 R800 R802 R807 R809	0, 0603 (1608 Metric), 0.1W, 1/10 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/10W 0603	Yageo	RC0603JR-070RL
51	8	R208 R209 R502 R702 R801 R803 R806 R808 N.M.	0, 0603 (1608 Metric), 0.1W, 1/10 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/10W 0603	Any	Any
52	2	R400 R600	25 mOhms, 2512 (6432 Metric), 1 W, $\pm 1\%$	RES 0.025 OHM 1% 1W 2512	Vishay Dale	WSL2512R0250FEA
53	4	R402 R501 R602 R701	10 k, 0603 (1608 Metric), 0.1W, 1/10 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/10W 0603	Yageo	RC0603FR-0710KL
54	2	R403 R603	24 k, 0603 (1608 Metric), 0.1 W, 1/10 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/10W 0603	Rohm	KTR03EZPF2402
55	6	R404 R408 R413 R604 R608 R613	10 k, 0402 (1005 Metric), 0.063W, 1/16 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/16W 0402	Yageo	RC0402FR-0710KL
56	2	R405 R605 N.M.	10 k, 0402 (1005 Metric), 0.063 W, 1/16 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/16W 0402	Any	
57	2	R406 R606	0, 0402 (1005 Metric), 0.063 W, 1/16 W, $\pm 1\%$	CHIP RESISTOR SMD 1% 1/16W 0402	Yageo	RC0402FR-070RL
58	2	R409 R609	1.2 k, 0805 (2012 Metric), 0.125 W, 1/8 W, $\pm 1\%$	CHIP RESISTOR	Yageo	RC0805FR-071K2L

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
				SMD 1% 1/8W 0805		
59	2	R410 R610	3.3 k, 0805 (2012 Metric), 0.125 W, 1/8 W, $\pm 1$ %	CHIP RESISTOR SMD 1% 1/8W 0805	Panasonic	ERJ-P06F3301V
60	6	R411 R412 R506 R611 R612 R706	100 K, 0603 (1608 Metric), 0.1 W, 1/10 W, $\pm 1$ %	CHIP RESISTOR SMD 1% 1/10W 0603	Yageo	RC0603FR-07100KL
61	2	R500 R700	10 mOhms, 1206 (3216 Metric), 0.5 W, 1/2 W, $\pm 1$ %	RES 0.01 OHM 1% 1/2W 1206	Yageo	PE1206FRM7W0R01L
62	2	R503 R703	91 K, 0603 (1608 Metric), 0.1 W, 1/10 W, $\pm 1$ %	CHIP RESISTOR SMD 1% 1/10W 0603	KOA	RK73H1JTDD9102F
63	2	R505 R705	16 K, 0603 (1608 Metric), 0.1 W, 1/10 W, $\pm 1$ %	CHIP RESISTOR SMD 1% 1/10W 0603	PANASONIC	ERJ-3EKF1602V
64	2	R507 R707	50 K, 0603 (1608 Metric), 0.1 W, 1/10 W, $\pm 1$ %	CHIP RESISTOR SMD 1% 1/10W 0603	YAGEO	RC0603FR-0749R9L
65	2	R508 R708 N.M.	180, 0603 (1608 Metric), 0.1 W, 1/10 W, $\pm 1$ %	CHIP RESISTOR SMD 1% 1/10W 0603	Any	Any
66	2	R804 R805	4.7 k, 0603 (1608 Metric), 0.1 W, 1/10 W, $\pm 1$ %	CHIP RESISTOR SMD 1% 1/10W 0603	YAGEO	RC0603FR-074K7L
67	21	TP200 TP201 TP202 TP400 TP401 TP402 TP403 TP404 TP405 TP406 TP407 TP500 TP600 TP601 TP602 TP603 TP604 TP605 TP606 TP607 TP700	5001, 0.100" Dia x 0.180" L (2.54mm x 4.57mm)	TEST POINT PC MINI .040"D BLACK	Keystone Electronics	5001
68	1	U200	L7983PU50R, DFN 3X3X0.8 10L pitch 0.5	60 V 300 mA synchronous step-down switching regulator with 10 $\mu$ A quiescent current	ST	L7983PU50R
69	2	U400 U600	STPD01PUR, QFN-24L, 3X4 mm	Programmable buck converter for USB power delivery	ST	STPD01PUR
70	4	U401 U501 U601 U701	TSV991AILT, SOT23-5L	Wide bandwidth (20 MHz) rail to rail input/output 5	ST	TSV991AILT

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
				V CMOS op-amp		
71	2	U500 U700	TCPPO2-M18, QFN-18L	IC USB Type-C port protection	ST	TCPPO2-M18
72	1	PCB not reference	FR4 TG140 70x102,4 mm, 70x102,4 mm	FR4 TG140 70x102,4 mm 4 layer Thickness int/ext layer 35micron	Any	Any

## Evaluation board license agreement

**Important:** *All information on this document is subject to this Evaluation Board License Agreement.*

By using this evaluation board or kit (together with all related software, firmware, components, and documentation provided by ST, "Evaluation Board"), You ("You") are agreeing to be bound by the terms and conditions of this Evaluation Board License Agreement ("Agreement"). Do not use the Evaluation Board until You have read and agreed to this Agreement. Your use of the Evaluation Board constitutes Your acceptance of this Agreement.

### LICENSE

STMicroelectronics ("ST") grants You the right to use the enclosed Evaluation Board offering limited features only to evaluate and test ST products solely for Your evaluation and testing purposes in a research and development setting. The Evaluation Board shall not be, in any case, directly or indirectly assembled as a part in any production of Yours as it is solely developed to serve evaluation purposes and has no direct function and is not a finished product. If software and/or firmware is accompanied by a separate end user license agreement ("EULA"), then such software and/or firmware shall be governed by such EULA.

### EVALUATION BOARD STATUS

The Evaluation Board offers limited features allowing You only to evaluate and test the ST products. The Evaluation Board is not intended for consumer or household use. You are not authorized to use the Evaluation Board in any production system, and it may not be offered for sale or lease, or sold, leased or otherwise distributed for commercial purposes. If the Evaluation Board is incorporated in an evaluation system, the evaluation system may be used by You solely for Your evaluation and testing purposes. Such evaluation system may not be offered for sale or lease or sold, leased or otherwise distributed for commercial purposes and must be accompanied by a conspicuous notice as follows: "This device is not, and may not be, offered for sale or lease, or sold or leased or otherwise distributed for commercial purposes".

### OWNERSHIP AND COPYRIGHT

Title to the Evaluation Board remains with ST and/or its licensors. You may not remove any copyright or other proprietary rights notices without prior written authorization from ST. You may make one copy of the software and/or firmware of the Evaluation Board for back up or archival purposes provided that You reproduce and apply to such copy any copyright or other proprietary rights notices included on or embedded in the software and/or firmware. You agree to prevent any unauthorized copying in whole or in part of the Evaluation Board.

### RESTRICTIONS AND WARNINGS

Before You handle or use the Evaluation Board, You must carefully review any related documentation provided by ST. Such documentation may contain important warnings. You shall comply with all such warnings and other instructions and employ reasonable safety precautions in using the Evaluation Board. Failure to do so may result in death, personal injury, or property damage. If You have any questions regarding the safe usage of the Evaluation Board, You should contact ST for guidance.

You may not sell, assign, sublicense, lease, rent or otherwise distribute the Evaluation Board for commercial purposes, in whole or in part, or use Evaluation Board in a production system, with the exception that if You are an authorized ST distributor, You may resell the Evaluation Board in compliance with the applicable terms and conditions. Except as provided in this Agreement or as explicitly permitted in the documentation of the Evaluation Board, You may not reproduce the Evaluation Board or modify,

reverse engineer, de-compile or disassemble its software and/or firmware, in whole or in part.

You shall not use the Evaluation Board in any safety critical or functional safety testing, including but not limited to testing of life supporting, military or nuclear applications. ST expressly disclaims any responsibility for such usage which shall be made at Your sole risk, even if ST has been informed in writing of such usage. Unless expressly designated in writing by ST as suitable for use in testing automotive or aerospace applications, You shall not use the Evaluation Board in such testing.

### Notice applicable to Evaluation Boards according to European Regulation

For the European Regulation of the Evaluation Board, the applicable EU directives are considered, with a particular attention to the Low Voltage Directive (LVD) 2014/35/EU, the Electromagnetic Compatibility (EMC) Directive 2014/30/EU, and the Radio Equipment Directive (RED) 2014/53/EU. If the Evaluation Board is outside the scope of the foregoing Directives, then the General Product Safety Directive (GPSD) 2001/95/EC and Council Directive 93/68/EEC, amending Directive 73/23/EEC on electrical equipment designed for use within certain voltage limits, are applicable.

The Evaluation Board meets the requirements of the Restriction of Hazardous Substances (RoHS 2 or RoHS recast) Directive 2011/65/EU, Annex II, as amended by Directive 2015/863/EU.

### Notice applicable to Evaluation Boards not FCC-Approved

This kit is designed to allow:

1. Product developers to evaluate electronic components, circuitry, or software associated with the kit to determine whether to incorporate such items in a finished product and
2. Software developers to write software applications for use with the end product.

This kit is not a finished product and when assembled may not be resold or otherwise marketed unless all required FCC equipment authorizations are first obtained. Operation is subject to the condition that this product not cause harmful interference to licensed radio stations and that this product accept harmful interference. Unless the assembled kit is designed to operate under part 15, part 18 or part 95 of 47 CFR, Chapter I ("FCC Rules"), the operator of the kit must operate under the authority of an FCC license holder or must secure an experimental authorization under part 5 of this chapter.

### For Evaluation Boards annotated as FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 15 Compliant

- **FCC Interference Statement for Class A Evaluation Boards:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- **FCC Interference Statement for Class B Evaluation Boards:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### WARRANTY

ST WARRANTS THAT IT HAS THE RIGHT TO PROVIDE THE EVALUATION BOARD TO YOU. THIS WARRANTY IS PROVIDED BY ST IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY, NON-INFRINGEMENT, FITNESS FOR ANY PARTICULAR PURPOSE, OR UNINTERRUPTED OR ERROR-FREE OPERATION, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. THE EVALUATION BOARD IS PROVIDED "AS IS".



YOU WARRANT TO ST THAT YOU WILL ENSURE THE EVALUATION BOARD IS USED ONLY BY ELECTRONICS EXPERTS WHO UNDERSTAND THE DANGERS OF HANDLING AND USING SUCH ITEMS, YOU ASSUME ALL RESPONSIBILITY AND LIABILITY FOR ANY IMPROPER OR UNSAFE HANDLING OR USE OF THE EVALUATION BOARD BY YOU, YOUR EMPLOYEES, AFFILIATES, CONTRACTORS, AND DESIGNEES.

#### **LIMITATION OF LIABILITIES**

IN NO EVENT SHALL ST BE LIABLE TO YOU, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL, PUNITIVE, OR EXEMPLARY DAMAGES WITH RESPECT TO ANY MATTERS RELATING TO THIS AGREEMENT, REGARDLESS OF WHETHER ST HAS BEEN ADVISED OF THE POSSIBILITY OF THE SAME. IN NO EVENT SHALL ST'S LIABILITY ARISING OUT OF THIS AGREEMENT IN THE AGGREGATE EXCEED THE AMOUNT PAID BY YOU UNDER THIS AGREEMENT FOR THE PURCHASE OF THE EVALUATION BOARD, OR TEN UNITED STATES DOLLARS (\$10.00) IF NO PURCHASE PRICE WAS PAID.

#### **INDEMNIFICATION**

You shall, at Your expense, defend ST and its Affiliates against a claim or action brought by a third party for infringement or misappropriation of any patent, copyright, trade secret or other intellectual property right of a third party to the extent resulting from (1) Your combination of the Evaluation Board with any other component, system, software, or firmware, (2) Your modification of the Evaluation Board, or (3) Your use of the Evaluation Board in a manner not permitted under this Agreement.

You shall indemnify ST and its Affiliates against and pay any resulting costs and damages finally awarded against ST or its Affiliates or agreed to in any settlement, provided that You have sole control of the defense and settlement of the claim or action, and ST cooperates in the defense and furnishes all related evidence under its control at Your expense. ST will be entitled to participate in the defense of such claim or action and to employ counsel at its own expense.

"Affiliates" means any corporation or other entity directly or indirectly controlled by, controlling or under common control with the entity in question, for so long as such ownership exists. "Control" means the direct or indirect beneficial ownership of more than fifty (50%) percent of the stock or other equity interests entitled to vote for the election of directors or an equivalent governing body. Any such corporation or other legal entity shall be deemed to be an Affiliate of such Party only as long as such Control exists.

#### **TERMINATION**

ST may terminate this Agreement without notice if You breach this Agreement. Upon termination, You shall immediately destroy or return all copies of the software, firmware, and documentation of the Evaluation Board to ST and certify in writing to ST that You have done so.

#### **APPLICABLE LAW AND JURISDICTION**

This Agreement shall be governed, construed and enforced in accordance with the laws of Switzerland, without regard to its conflict of laws rules. The UN Convention on Contracts for the International Sale of Goods shall not apply to this Agreement. In case of dispute and in the absence of an amicable settlement, the only competent jurisdiction shall be the Courts of Geneva, Switzerland. Any breach of this Agreement by You may result in irreparable damage to ST for which ST will not have an adequate remedy at law. Accordingly, in addition to any other remedies and damages available, You acknowledge and agree that ST may immediately seek enforcement of this Agreement in any jurisdiction by means of specific performance or injunction, without any requirement to post a bond or other security.

#### **SEVERABILITY**

If any provision of this agreement is or becomes, at any time or for any reason, unenforceable or invalid, no other provision of this agreement shall be affected thereby, and the remaining provisions of this agreement shall continue with the same force and effect as if such unenforceable or invalid provisions had not been inserted in this Agreement. In addition, any unenforceable or invalid provision shall be deemed replaced by a provision that is valid and enforceable and that comes closest to expressing the intention of the unenforceable or invalid provision.

#### **WAIVER**

The waiver by either party of any breach of any provision of this Agreement shall not operate or be construed as a waiver of any other or a subsequent breach of the same or a different provision.

## RELATIONSHIP OF THE PARTIES

Nothing in this Agreement shall create, or be deemed to create, any joint venture, partnership, principal-agent, employer-employee or other relationship between the Parties, except that of independent contractors. Neither Party has the authority or power to bind, to contract in the name of, or to create a liability for the other in any way or for any purpose.

## SURVIVAL

Any provision of this Agreement which imposes an obligation after termination of this Agreement shall survive the termination of this Agreement.

## SECTION HEADINGS

Section headings are inserted for convenience only and shall not be used to interpret this Agreement.

## WASTE AND RECYCLING

**The Evaluation Board is not to be disposed of as urban waste. At the end of its life cycle, differentiated waste collection must be followed.** Consult the local authorities for more information on the proper disposal channels. It is mandatory to separately collect the Evaluation Board and make sure it is delivered it to the appropriate waste management and recycling centers.

As of 15 August 2018, in all the countries belonging to the European Union, the Evaluation Board is subject to the WEEE Directive 2012/19/EU requirement; therefore, it is forbidden to dispose of the Evaluation Board as undifferentiated waste or with other domestic wastes. Consult the local authorities for more information on the proper recycling centers.

Disposing of the Evaluation Board incorrectly may cause damage to the environment and may be subject to fines based on specific countries' rules.

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