

Bill of materials

Table 1. BOM

| Item | Q.ty | Ref. | Part/Value | Description | Manufacturer | Order code |
|------|------|---|------------------------------------|---|--------------------|---|
| 1 | 6 | +3V3 +24V VDC VCC VCC1 VCC2 | Test Point Red hole diam. 1,6mm | Test point - red | KEYSTONE | 5000 |
| 2 | 12 | CH1 CH2 DG1 DG2 GND IN1 IN2 OUT1 OUT2 OUTP1 OUTP2 PE | Test Point Black hole diam. 1,02mm | Test point - black | KEYSTONE or RS Pro | 5001 or 262-2179 |
| 3 | 6 | C1 C2 C3 C8 C11 C13 | 100pF | CAP CER, 100 pF, 16 V, ± 1% | WURTH ELEKTRONIK | 885012006023 |
| 4 | 4 | C4 C7 C56 C57 | 1uF | CAP CER, 1 μF, 16 V, ± 10%, X7R | TDK | CGA3E1X7R1C105K080AC |
| 5 | 20 | C5 C6 C35 C39 C40 C41 C42 C45 C46 C48 C49 C51 C59 C60 C61 C62 C63 C64 C65 C66 | 100nF | CAP CER, 0.1 μF, 16 V, ± 5%, X7R | WURTH ELEKTRONIK | 885012206095 |
| 6 | 2 | C9 C10 | 10nF | CAP CER, 10000 pF, 100 V, ± 5%, X7R | WURTH ELEKTRONIK | 885012206114 |
| 7 | 4 | C12 C14 C19 C24 | 10nF | CAP CER, 10000 pF, 16 V, ± 10%, X7R | WURTH ELEKTRONIK | 885012206040 |
| 8 | 5 | C52 C53 C54 C55 C58 | 470pF | CAP CER, 470 pF, 50 V, ± 10%, X7R | WURTH ELEKTRONIK | 885012206081 |
| 9 | 5 | C15 C20 C30 C31 C37 | | | n.a. | n.a. |
| 10 | 3 | C22 C26 C32 | 100nF | CAP CER, 0.1 µF, 100 V, ± 10%, X7R | WURTH ELEKTRONIK | 885012206120 |
| 11 | 2 | C16 C21 | 22nF | CAP CER, 22000 pF, 100 V, ± 10%, X7R | KEMET or Murata | C0603C223K1RACTU or GRM188R72A223KAC4D |
| 12 | 2 | C18 C23 | 22nF | CAP CER, 22000 pF, 100 V, ± 10%, X7R | KEMET or Murata | C0603C223K1RACTU or GRM188R72A223KAC4D |
| 13 | 2 | C25 C29 | 4.7nF | CAP CER, High Voltage, 4700 pF, 2 kV, ± 10%, X7R | WURTH ELEKTRONIK | 885342211008 |
| 14 | 2 | C27 C28 | 4.7nF | CAP CER, 4.7 μF, 100 V, ± 10%, X7S | TDK or Taiyo Yuden | CGA6M3X7S2A475K200AB or HMK325C7475KMHPE |
| 15 | 1 | C33 | 1uF | CAP CER, 1 μF, 100 V, ± 10%, X7S | MURATA or TDK | GRJ21BC72A105KE11L or CGA4J3X7S2A105K125AB |
| 16 | 2 | C34 C38 | 2.2uF | CAP CER, 2.2 µF, 16 V, ± 10%, X7S | TDK | CGA3E1X7S1C225K080AC |
| 17 | 1 | C36 | 470nF | CAP CER, 0.47 µF, 16 V, ± 10%, X7R | TDK | C1608X7R1C474K080AC |
| 18 | 2 | C43 C44 | 4.7nF | CAP CER, ArcShield™, 4700 pF, 1 kV, ± 10%, X7R | KEMET | C0805V472KDRACTU |



| Item | Q.ty | Ref. | Part/Value | Description | Manufacturer | Order code |
|------|------|---|------------|---|-------------------------------|---|
| 19 | 4 | R1 R2 R3 R4 | 220 | SMD Chip Resistor, 220 ohm, ± 1%, 100 mW | MULTICOMP PRO or Yageo | MCWR06X2200FTL or RC0603FR-07220RL |
| 20 | 2 | R5 R6 | 1k3 | SMD Chip Resistor, 1.3 kohm, ± 1%, 100 mW | Vishay | CRCW06031K30FKEA |
| 21 | 5 | R7 R9 R11 R24 R37 | 0 | Zero Ohm Resistor, Thick Film, 100 mW, 1 A | MULTICOMP PRO or Yageo | MC0603SAF0000T5E or RC0603JR-070RL |
| 22 | 36 | R8 R10 R23 R36 R50 R51 R52 R53 R54 R55 R56 R58 R59 R60 R61 R62 R63 R64 R65 R66 R67 R68 R72 R73 R74 R75 R78 R79 R80 R81 R82 R84 R85 R86 R87 R88 | 1k | SMD Chip Resistor, 1 kohm, ± 0.5%, 100 mW | Panasonic | ERJ3RBD1001V |
| 23 | 7 | R13 R26 R43 R47 R76 R77 R94 | | | n.a. | n.a. |
| 24 | 3 | R14 R27 R39 | 1k8 | SMD Chip Resistor, 1.8 kohm, ± 1%, 100 mW | MULTICOMP PRO or Vishay | MCWR06X1801FTL or CRCW06031K80FKEA |
| 25 | 1 | R38 | 27k | SMD Chip Resistor, 27 kohm, ± 1%, 125 mW | Vishay | CRCW080527K0FKEA |
| 26 | 2 | R12 R25 | 27k | SMD Chip Resistor, 27 kohm, ± 1%, 100 mW | BOURNS or Yageo | CR0603-FX-2702ELF or RC0603FR-0727KL |
| 27 | 2 | R70 R71 | 27k | SMD Chip Resistor, 27 kohm, ± 1%, 100 mW | BOURNS or Yageo | CR0603-FX-2702ELF or RC0603FR-0727KL |
| 28 | 4 | R15 R18 R28 R31 | 3k6 | SMD Chip Resistor, 3.6 kohm, ± 1%, 250 mW | YAGEO or Vishay | RC1206FR-073K6L or CRCW12063K60FKEA |
| 29 | 5 | R16 R19 R29 R32 R96 | 62k | SMD Chip Resistor, 62 kohm, ± 1%, 100 mW | Vishay | CRCW060362K0FKEA |
| 30 | 3 | R17 R30 R40 | 7k5 | SMD Chip Resistor, 7.5 kohm, ± 1%, 100 mW | MULTICOMP PRO or Vishay | MCWR06X7501FTL or CRCW06037K50FKEAC |
| 31 | 1 | R42 | 68k | SMD Chip Resistor, 68 kohm, ± 1%, 100 mW | MULTICOMP PRO or Yageo | MCWR06X6802FTL or RC0603FR-0768KL |
| 32 | 3 | R20 R33 R48 | 390 | SMD Chip Resistor, 390 ohm, ± 1%, 100 mW | MULTICOMP PRO or Yageo | MCWR06X3900FTL or RC0603FR-07390RL |
| 33 | 5 | R21 R22 R34 R35 R97 | 3k6 | SMD Chip Resistor, 3.6 kohm, ± 1%, 100 mW | Vishay or Yageo | CRCW06033K60FKEA or RC0603FR-073K6L |
| 34 | 1 | R41 | 18k | SMD Chip Resistor, 18 kohm, ± 1%, 100 mW | MULTICOMP PRO or Panasonic | MCWR06X1802FTL or ERJ3EKF1802V |
| 35 | 2 | R44 R45 | 0 | Zero Ohm Resistor, Thick Film, 100 mW, 1 A | MULTICOMP PRO or Yageo | MC0603SAF0000T5E or RC0603JR-070RL |
| 36 | 1 | R46 | 100k | SMD Chip Resistor, 100 kohm, ± 1%, 100 mW | MULTICOMP PRO or Yageo | MCMR06X1003FTL or RC0603FR-07100KL |
| 37 | 1 | R49 | 680 | SMD Chip Resistor, 680 ohm, ± 1%, 100 mW | MULTICOMP PRO or Vishay | MCWR06X6800FTL or CRCW0603680RFKEA |
| 38 | 4 | R57 R83 R98 R99 | 4k7 | SMD Chip Resistor, 4.7 kohm, ± 1%, 100 mW | MULTICOMP PRO or Vishay | MCMR06X4701FTL or SRMCF0603FT4K70 |
| 39 | 2 | R69 R89 | 220k | SMD Chip Resistor, 220 kohm, ± 1%, 100 mW | MULTICOMP PRO or Yageo | MCWR06X2203FTL or RC0603FR-07220KL |

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| Item | Q.ty | Ref. | Part/Value | Description | Manufacturer | Order code |
|------|------|--|---|--|-------------------------------|---------------------------------------|
| 40 | 2 | R102 R103 | 220k | SMD Chip Resistor, 220 kohm, ± 1%, 100 mW | MULTICOMP PRO or Yageo | MCWR06X2203FTL or RC0603FR-07220KL |
| 41 | 5 | R90 R91 R92 R93 R95 | 330 | SMD Chip Resistor, 330 ohm, ± 1%, 100 mW | MULTICOMP PRO or Panasonic | MCWR06X3300FTL or ERJ3EKF3300V |
| 42 | 2 | R100 R101 | 33k | SMD Chip Resistor, 33 kohm, ± 1%, 100 mW | MULTICOMP PRO or Yageo | MCWR06X3302FTL or RC0603FR-0733KL |
| 43 | 3 | D4 D7 D9 | BZV55-C10,115 | Zener Diode, 10 V, 500 mW, SOD-80C | NEXPERIA | BZV55-C10,115 |
| 44 | 7 | D14 D15 D18 D19 D26 D27 D28 | STPS1L60ZF, SOD123Flat | 60 V, 1 A low drop power Schottky rectifier | STMicroelectronics | STPS1L60ZF |
| 45 | 2 | D16 D20 | STPS1L60ZF, SOD123Flat | 60 V, 1 A low drop power Schottky rectifier | STMicroelectronics | STPS1L60ZF |
| 46 | 1 | D10 | SMC30J36CA, SMC | 3000 W, 36 V TVS in SMC | STMicroelectronics | SMC30J36CA |
| 47 | 4 | D17 D21 D22 D23 | SM6T33CA, SMB | 600W TVS in SMB package | STMicroelectronics | SM6T33CA |
| 48 | 2 | D24 D25 | SM2T3V3A, STmite | 200 W, 3.3 V TVS in STmite | STMicroelectronics | SM2T3V3A |
| 49 | 3 | Q3 Q8 Q13 | STL42P6LLF6, PowerFLAT 5x6 | P-channel 60V MOSFET | STMicroelectronics | STL42P6LLF6 |
| 50 | 1 | U1 | ADC120IPT, TSSOP-16L | 8-Channel, 50ksps to 1Msps, 12-Bit A/D Converter | STMicroelectronics | ADC120IPT |
| 51 | 1 | U2 | CLT03-2Q3, QFN-16L | Self powered digital input current limiter | STMicroelectronics | CLT03-2Q3 |
| 52 | 1 | U3 | IPS160HFTR, PowerSSO 12 | Single-channel IPS | STMicroelectronics | IPS160HFTR |
| 53 | 1 | U4 | IPS161HFTR, PowerSSO 12 | Single-channel IPS | STMicroelectronics | IPS161HFTR |
| 54 | 1 | U5 | L7983PUR, DFN 3X3X0.8 10L PITCH 0.5 | 60 V, 300 mA synchronous DCDC | STMicroelectronics | L7983PUR |
| 55 | 1 | U10 | LDK220M33R, SOT23-5L | 200mA Low noise LDO | STMicroelectronics | LDK220M33R |
| 56 | 2 | U6 U9 | STISO621, SO-8 | Dual channel digital isolator | STMicroelectronics | STISO621 |
| 57 | 2 | U11 U12 | MAX14930EASE+ | 4-channel digital isolator | Maxim Integrated | MAX14930EASE+ |
| 58 | 1 | U7 | ADUM7442ARQZ | 1 kV RMS Quad-Channel Digital Isolator | ANALOG DEVICES | ADUM7442ARQZ-RL7 |
| 59 | 1 | U8 | ADUM7441CRQZ | 1 kV RMS Quad-Channel Digital Isolator | ANALOG DEVICES | ADUM7441CRQZ-RL7 |
| 60 | 10 | Q1 Q2 Q4 Q5 Q6 Q7 Q9 Q10 Q11 Q12 | BSS138BK,215 | Power MOSFET, N Channel, 60 V, 360 mA, 1 ohm, SOT-23 | NEXPERIA | BSS138BK,215 |
| 61 | 1 | L1 | LPS4018-473MRC | Inductor, 47 µH, LPS4018, 3.9mm x 3.9mm x 1.7mm | Coilcraft | LPS4018-473MRC |
| 62 | 1 | CN1_0-4 | PCB Terminal block (GRAY) | 4-pole Wago connector 235-404 | Wago | 235-404 |
| 63 | 1 | CN1_5 | PCB Terminal block (ORANGE) | 1-pole Wago connector 235-746 | Wago | 235-746 |
| 64 | 2 | CN1_6-7 | PCB Terminal block (BLUE) | 1-pole Wago connector 235-744 | Wago | 235-744 |

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| Item | Q.ty | Ref. | Part/Value | Description | Manufacturer | Order code |
|------|------|----------------------|-------------------------------|---|---------------------------|--|
| 65 | 1 | CN1_8 | PCB Terminal block (GREEN) | 1-pole Wago connector 235-747 | Wago | 235-747 |
| 66 | 1 | CN5 | Female Connector 1x10 | CON, 2.54 mm, 1 Rows, 10 Contacts, 2212S | MULTICOMP PRO or Amtek | 2212S-10SG-85 or PS1S85-110-GBL 10P |
| 67 | 2 | CN6 CN9 | Female Connector 1x8 | CON, 2.54 mm, 1 Rows, 8 Contacts, 2212S | MULTICOMP PRO or Amtek | 2212S-08SG-85 or PS1S85-108GB-L |
| 68 | 2 | CN7 CN10 | Female header 2x19 | CON, 2.54 mm, 2 Rows, 38 Contacts, SSW | SAMTEC or 4UCON | SSW-119-01-T-D or 19744 |
| 69 | 1 | CN8 | Female Connector 1x6 | CON, 2.54 mm, 1 Rows, 6 Contacts, 2212S | MULTICOMP PRO or Amtek | 2212S-06SG-85 or PS1S85-106GB-L |
| 70 | 5 | D1 D2 D5 D8 D12 | Led green | LED, Green, SMD, 20 mA, 2 V, 570 nm | Wurth Elektronik | 150060VS75020 |
| 71 | 2 | D3 D6 | Led orange | LED, Amber, SMD, 20 mA, 2 V, 605 nm | Wurth Elektronik | 150060AS75020 |
| 72 | 2 | D11 D13 | Led red | LED, Red, SMD, 20 mA, 2 V, 625 nm | Wurth Elektronik | 150060RS75020 |
| 73 | 1 | PCB Not Reference | FR4-4 Layer | FR4-4 Layer copper thickess 35 micron ext/Inter Layer | n.a. | n.a. |

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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".

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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.

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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:

- 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".

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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.

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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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