

## Bill of materials

Table 1. STEVAL-CTM015V1 bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	Table 2. STEVAL-CTM015A1	-	Driver board	ST	Not available for separate sale
2	1	Table 3. STEVAL-CTM015A2	-	Power board	ST	Not available for separate sale
3	1	Heat sink, 150 x 100 x 40 mm	1 K/W, 150 x 100 x 40 mm,	Heat sink	Fischer Elektronik	SK92 150SA

Table 2. STEVAL-CTM015A1 (power board) bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	3	C1 C3 C5	1uF	CAP CER 1UF 50V X5R 0603	Samsung Electro-Mechanics America, Inc.	CL10A105KB8NNNC
2	3	C2 C4 C6	470nF	CAP CER 0.47UF 25V X7R 0603	Würth Electronics Inc.	885012206075
3	3	C7 C8 C9	1nF	CAP CER 1000PF 25V X7R 0603	Samsung Electro-Mechanics	CL10B102KA8NNNC
4	2	C10 C15	1 uF	CAP CER 1UF 6.3V X5R 0603	Yageo	CC0603KRX5R5BB105
5	7	C11 C12 C13 C14 C16 C17 C18	0.1uF	CAP CER 0.1UF 50V X7R 0603	Würth Electronics Inc.	885012206095
6	1	C21	4.7nF	CAPACITOR CERAMIC SMD 1206	TDK Corporation	C3216X7R2J472K115AA
7	2	C22 C23	330uF	Cap Alu Electrolytic SMD; 8 mm D X 10.00 mm H body	Würth Electronics	865080453014
8	2	C24 C28	56uF	Cap Alu Electrolytic SMD; 6.3 mm D X 5.40 mm H body	Würth Electronics	865080243005
9	1	C25	0.1uF	CAP CER 0.1UF 50V X7R 0603	KEMET	C0603C104K5RACTU
10	1	C26	2.2uF	Cap Alu Electrolytic SMD; 4 mm D X 5.40 mm H body	Wurt Electronics	865060640002
11	1	C27	10uF	Cap Alu Electrolytic	Wurt Electronics	865250340003

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
				SMD; 4 mm D X 5.40 mm H body		
12	1	C29	150nF	CAPACITOR CERAMIC SMD 0603		
13	1	C30	1nF	CAP CER 1000PF 25V X7R 0603	Samsung Electro- Mechanics	CL10B102KA8NNNC
14	3	C35 C36 C37	0.1uF	CAP CER 0.1UF 50V X7R 0603	AVX Corporation	06035C104KAT2A
15	3	C50 C51 C52	10pF	Ceramic Multilayer Capacitors X7R		
16	1	C53	100nF	Ceramic Multilayer Capacitors X7R		
17	1	C54	6.8nF	CAP CER 6800PF 50V X7R 0603	Würth Electronics Inc.	885012206088
18	1	C55	10nF	Ceramic Multilayer Capacitors X7R		
19	6	C56 C57 C58 C59 C60 C61	68nF	CAP CER 0.068UF 50V X7R 0603	KEMET	C0603C683K5RACTU
20	1	C62	0.1uF	CAP FILM 0.1UF 20% 305VAC RADIAL	EPCOS (TDK)	B32921C3104M000
21	2	C63 C64	470uF 500V	CAP ALUM 470UF 20% 500V SNAP	Rubycon	500MXH470MEFCSN35X55
22	6	C67 C69 C71 C73 C75 C77	68nF	CAP CER 0.068UF 250V X7R 0603	KEMET	C1206C683KARACTU
23	1	CN1	Con14-male	CONN HEADER SMD 14POS 1.27MM	Samtec Inc.	FTSH-107-01-F-DV-K-P-TR
24	4	CN2 CN3 CN4 CN5	CON2	SCREW TERM BLOCK PCB 2POS 7.62MM	RS Pro	7901130
25	1	CN6	MOR2	CONN TERM BLOCK 2.54MM 2POS	Phoenix Contact	1725656
26	2	CN7 CN8	PEC06SFAN	CONN HEADER .100 SINGL STR 6POS	Sullins Connector Solutions	PEC06SFAN
27	1	CN9	con4-strip-male	CONN HEADER .100 STR 4POS	Würth Electronics	61300411121
28	1	CN10	con5-strip-male	CONN HEADER .100 STR 5POS		

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
29	3	D1 D4 D7	STTH108A, SMA	DIODE GEN PURP 800V 1A SMA	STMicroelectronics	STTH108A
30	10	D2 D3 D5 D6 D8 D9 D22 D23 D24 D25	BAT30KFILM, SOD-523	DIODE SCHOTTKY 30V 300MA SOD523	STMicroelectronics	BAT30KFILM
31	1	D10	LS L296-P2Q2-1-Z	LED RED DIFFUSED 0603 SMD	OSRAM Opto Semiconductors Inc.	LS L296-P2Q2-1-Z
32	1	D11	STPS2150A, SMA	DIODE SCHOTTKY 150V 2A SMA	STMicroelectronics	STPS2150A
33	1	D12	STTH1L06A, SMA	Ultrafast high voltage rectifier 600V 1A SMA	STMicroelectronics	STTH1L06A
34	1	D13	STPS1L60A, SMA	DIODE SCHOTTKY 60V 1A SMA	STMicroelectronics	STPS1L60A
35	1	D14	1N4148WS	DIODE GEN PURP 75V 150MA SOD323F	Fairchild/ON Semiconductor	1N4148WS
36	2	D15 D29	LP L296-J2L2-25-Z	LED GREEN DIFFUSED 0603 SMD	OSRAM Opto Semiconductors Inc.	LP L296-J2L2-25-Z
37	1	D63	2.7V 500mW	DIODE ZENER 2.7V 500MW SOD80	Vishay Semiconductor Diodes Division	TZMB2V7-GS08
38	1	D64	LS L296-P2Q2-1-Z	LED RED DIFFUSED 0603 SMD	OSRAM Opto Semiconductors Inc.	LS L296-P2Q2-1-Z
39	1	D65	STTH5L06B, DPAK	DIODE GEN PURP 600V 5A DPAK	STMicroelectronics	STTH5L06B-TR
40	3	ICS1 ICS2 ICS3	ACS722LLCTR-20AU -T	SENSOR CURRENT HALL 20A DC	Allegro MicroSystems, LLC	ACS722LLCTR-20AU-T
41	6	J1 J2 J3 J13 J14 J15	con3-strip-male	CONN HEADER .100" STR 3POS	Würth Electronics	61300311121
42	2	J8 J40	1-pin Male Header	CONN HEADER .100" SNGL STR 1POS	Sullins Connector Solutions	PRPC001SAAN-RC
43	1	J16	JUMPER-con2-strip- male	JUMPER- CONN HEADER .100" STR 2POS		
44	1	J17	con3-strip-male	CONN HEADER .100" STR 3POS	Würth Electronics	61300311121
45	1	J30	con4-2x2-strip-female	CONN HEADER FEMALE .100" DUAL STR 4POS	Sullins Connector Solution	PPTC022LFBN-RC

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
46	2	J31 J32	con4-2x2-strip-female	CONN HEADER FEMALE .100 DUAL STR 4POS	Sullins Connector Solution	PPTC022LFBN-RC
47	3	J35 J36 J37	con6-2x3-strip-female	CONN HEADER FEMALE .100 DUAL STR 6POS	Sullins Connector Solution	PPTC032LFBN-RC
48	1	J39	con4-strip-male	CONN HEADER .100 STR 4POS		
49	1	J43	JUMPER-con2-strip- male	JUMPER- CONN HEADER .100 STR 2POS		
50	7	J44 J47 J48 J49 J53 J54 J55	Jumper_Female	CONN JUMPER SHORTING .100" GOLD	Sullins Connector Solutions	QPC02SXGN-RC
51	1	J50	Jumper_Female	CONN JUMPER SHORTING .100" GOLD	Sullins Connector Solutions	QPC02SXGN-RC
52	1	J51	Jumper_Female	CONN JUMPER SHORTING .100" GOLD	Sullins Connector Solutions	QPC02SXGN-RC
53	1	J52	Jumper_Female	CONN JUMPER SHORTING .100" GOLD	Sullins Connector Solutions	QPC02SXGN-RC
54	3	JMP1 JMP2 JMP3	0 OHM 20A -5108	RES SMD 0 OHM JUMPER 1/2W 1206	Keystone Electronics	5108
55	1	L1	600Ohm@100MHz	FERRITE BEAD 600 OHM 0603 1LN	Würth Electronics Inc.	742863160
56	12	R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12	75	CHIP RESISTOR SMD 1% 1/10W 0603	Panasonic Electronic Components	ERJ-3EKF75R0V
57	7	R13 R24 R25 R27 R35 R37 R39	0.0	RES SMD 0.0OHM JUMPER 1/10W 0603	Yageo	RC0603JR-070RL
58	2	R14 R15	47k	RES SMD 47K OHM 1% 1/10W 0603	Yageo	RC0603FR-0747KL
59	3	R16 R17 R18	10k	RES SMD 10K OHM 0.1% 1/10W 0603	Panasonic Electronic Components	ERA-3AEB103V
60	5	R19 R21 R67 R69 R70	10k	RES SMD 10K OHM 1% 1/10W 0603	Yageo	RC0603FR-0710KL
61	1	R20	100k	RES SMD 100K OHM 5% 1/10W 0603	Yageo	RC0603JR-07100KL

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
62	2	R22 R28	510	CHIP RESISTOR SMD 510 OHM 1% 1/10W 0603	Yageo	RC0603FR-07510RL
63	1	R23	47K	RES SMD 47K OHM 1% 2W 2512	TE Connectivity Passive Product	352147KFT
64	1	R26	56k	RES SMD 56K OHM 0.1% 1/10W 0603	Panasonic Electronic Components	ERA-3AEB563V
65	1	R29	18k	CHIP RESISTOR SMD 1% 1/10W 0603	Panasonic Electronic Components	ERA-3AED183V
66	1	R30	100K	RES SMD 100K OHM 1% 1/10W 0603	Yageo	RC0603FR-07100KL
67	1	R31	16.2k	RES SMD 16.2K OHM 1% 1/10W 0603	Yageo	RC0603FR-0716K2L
68	3	R36 R38 R40	0.0	RES SMD 0.0OHM JUMPER 1/10W 0603	Yageo	RC0603JR-070RL
69	21	R65 R68 R73 R80 R81 R82 R86 R87 R88 R89 R93 R94 R95 R96 R97 R104 R105 R106 R117 R118 R119	390K	RES SMD 390K OHM 0.1% 1/4W 1206	Panasonic Electronic Components	ERA-8AEB394V
70	3	R71 R72 R74	1K8	CHIP RESISTOR SMD 1% 1/10W 0603		
71	1	R75	1k	RES SMD 1K OHM 1% 1/10W 0603	Yageo	RC0603FR-071KL
72	1	R76	7.5k	RES SMD 7.5K OHM 1% 1/8W 0805	Yageo	RC0805FR-077K5L
73	1	R78	4.7K	CHIP RESISTOR SMD 1% 1/10W 0603	Yageo	RC0603FR-074K7L
74	12	R79 R85 R91 R92 R99 R101 R103 R109 R111 R112 R114 R115	100k	CHIP RESISTOR SMD 1% 1/8W 0805		
75	3	R83 R100 R107	50k	CHIP RESISTOR SMD 1% 1/8W 0805		
76	6	R84 R90 R102 R108 R110 R113	4.1k	CHIP RESISTOR SMD 1% 1/8W 0805		

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
77	3	R98 R116 R120	50k	CHIP RESISTOR SMD 1% 1/8W 0805		
78	1	R124	3.9k	RES SMD 3.9K OHM 1% 1/10W 0603	Yageo	RC0603FR-073K9L
79	3	R131 R132 R133	68K	RES SMD 68K OHM 1% 2W 2512	TE Connectivity Passive Product	352168KFT
80	1	R142	0	RES SMD 0 OHM JUMPER 1W 2512	Yageo	RC2512JK-070RL
81	9	R146 R149 R160 R167 R170 R181 R188 R191 R202	0	RES SMD 0 OHM JUMPER 1/4W 1206	Yageo	RC1206JR-070RL
82	6	R148 R166 R169 R187 R190 R208	0	RES SMD 0 OHM JUMPER 1/4W 1206	Yageo	RC1206JR-070RL
83	6	R150 R161 R171 R182 R192 R203	499	CHIP RESISTOR SMD 1% 1/4W 1206		
84	12	SC1 SC2 SC3 SC4 SC5 SC6 SC7 SC8 SC21 SC22 SC23 SC24	Con1	Screw,M3,6mm,	RS	482-8515
85	2	SW1 SW2	FSM4JSMA	SWITCH TACTILE SPST-NO 0.05A 24V	TE Connectivity ALCOSWITCH Switches	FSM4JSMA
86	1	T1	WE_TRASF	Wurth-Transformer ratio 12.9:1;12.9:1;	Wurth Electronics	750318317
87	45	TP1 TP3 TP5 TP7 TP8 TP9 TP10 TP18 TP22 TP26 TP27 TP28 TP29 TP30 TP31 TP32 TP33 TP34 TP35 TP36 TP37 TP38 TP39 TP40 TP41 TP42 TP43 TP44 TP45 TP46 TP47 TP48 TP49 TP50 TP51 TP58 TP59 TP60 TP61 TP62 TP66 TP69 TP73 TP76 TP80	5001	TEST POINT PC MINI .040"D BLACK	Keystone Electronics	5001
88	1	TP11	5000	TEST POINT PC MINI .040"D RED	Keystone Electronics	5000
89	3	U1 U2 U3	L6395D, SO-8	IC GATE DVR HV BCD OFFLINE 8SOIC	STMicroelectronics	L6395D

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
90	1	U4	STM32F303CBT, LQFP 48 7x7x1.4 mm	IC MCU 32BIT 128KB FLASH 48LQFP	STMicroelectronics	STM32F303CBT6
91	1	U5	LD1117S50TR, SOT-223	IC REG LINEAR 5V 800MA SOT223	STMicroelectronics	LD1117S50TR
92	1	U7	LD1117S33CTR, SOT-223	IC REG LINEAR 3.3V 800MA SOT223	STMicroelectronics	LD1117S33CTR
93	1	U14	VIPER26LD, SO-16	IC OFFLINE CONV PWM 800V 16-SOIC	STMicroelectronics	VIPER26LD
94	1	Y1	8MHz	CER RES 8.0000MHZ 33PF SMD	Murata Electronics North America	CSTNE8M00GH5C000R0
95	1	PCB	FR4-86x1881.6mm rated V-0, T130°C	FR4-86x1881.6 mm rated V-0, T130°C, UL 746	Isola	Duraver Ecu 104

**Table 3. STEVAL-CTM015A2 (driver board) bill of materials**

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
1	3	C32 C33 C34	0.022uF	CAP CER 0.022UF 450V C0G 1210	TDK Corporation	C3225C0G2W223J230AA
2	6	C38 C39 C42 C43 C46 C47	1 uF	CAPACITOR CERAMIC SMD 0805	WALSIN	WAL9064510
3	3	C40 C44 C48	56nF	CAPACITOR CERAMIC SMD 0805	Kemet	C0805C563J5RACTU
4	3	C41 C45 C49	10nF	CAPACITOR CERAMIC SMD 0805	WALSIN	WAL9066310
5	3	C78 C79 C80	680nF	CAPACITOR CERAMIC SMD 0805	Würth	885012207050
6	6	D16 D17 D18 D19 D20 D21	STTH15RQ06G2, D2PAK HV	600V ULTRAFAST RECTIFIERS	STMicroelectronics	STTH15RQ06G2-TR
7	3	J26 J33 J34	CON6	CONN HEADER 6POS TIN SMD	Harwin	M20-8760342
8	3	J27 J28 J29	CON4	CONN HEADER 4POS TIN SMD	Harwin	M20-8760242
9	1	NTC1	10K	NTC THERMISTOR 10K OHM 5% 0603	EPCOS (TDK)	B57351V5103J060
10	6	Q1 Q2 Q3 Q4 Q5 Q6	STGB30H60DFB, D2PAK	IGBT Trench Field Stop 600 V 60 A 260 W Surface Mount D <sup>2</sup> PAK (TO-263)	STMicroelectronics	STGB30H60DFB

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
11	3	R32 R33 R34	0.018	RES 0.018 OHM 1% 3W 2512	Multicomp	MCLRP12FTDRR018
12	3	R41 R49 R57	33K	CHIP RESISTOR SMD 1% 1/8W 0805	Royalohm	0805S8F3302T5E
13	9	R42 R50 R58 R136 R137 R138 R139 R140 R141	10K	CHIP RESISTOR SMD 1% 1/8W 0805	Kamayaohm	RMC1/10K1002FTP51
14	6	R43 R45 R51 R53 R59 R61	750	CHIP RESISTOR SMD 1% 1/8W 0805	Yageo	RC0805FR-07750RL
15	3	R44 R52 R60	3.3K	CHIP RESISTOR SMD 1% 1/8W 0805	Yageo	RC0805FR-073K3L
16	3	R46 R54 R62	2.2K	CHIP RESISTOR SMD 1% 1/8W 0805	Yageo	RC0805FR-072K2L
17	6	R47 R48 R55 R56 R63 R64	12K	CHIP RESISTOR SMD 1% 1/8W 0805	Royalohm	0805S8F1202T5E
18	3	R121 R122 R123	0	CHIP RESISTOR SMD 1% 1/4W 1206	Royalohm	1206S4J0000T5E
19	2	R134 R135	68K	RES SMD 68K OHM 1% 2W 2512	TE Connectivity Passive Product	352168KFT
20	10	SC9 SC10 SC12 SC13 SC14 SC16 SC17 SC18 SC19 SC20	Con1	Screw,M3,6mm,	Elektrozubehor	M-DIN 7985 M3X6
21	6	TP19 TP20 TP21 TP23 TP24 TP25	Testpoint	PC TEST POINT NATURAL	Harwin Inc.	S2751-46R
22	8	TW1 TW2 TW3 TW4 TW5 TW6 TW7 TW8	Con1	Tower,M3,12mm Female, Female	Würth Electronics Inc	970 120 354
23	3	U8 U10 U12	TSV991ILT, SOT23-5L	IC OPAMP GP 20MHZ RRO SOT23-5	STMicroelectronics	<a href="#">TSV991ILT</a>
24	3	U9 U11 U13	LMV331ICT, SC70-5	IC COMPARATOR GP LOW VOLT SC70-5	STMicroelectronics	<a href="#">LMV331ICT</a>
25	1	PCB	IMS-134x83x1.7mm	Aluminium base with epoxy, thickness 1.5mm, rated	Gabriel Benmayor S A	Cobritherm HTC



Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
				V-0, T130°C, UL-746		
26	1	Sil-Pad insulator	Thermal Interface Sheet Sil-Pad TSP 1600 Series - 12" x 12" Sheet, 0.005"	Put between PCB and Heatsink	Bergquist Company	SP800-0.005-AC-1212

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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:

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.

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#### **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 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.

**IMPORTANT NOTICE – READ CAREFULLY**

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