

# Table 1: STEVAL-LLL008P1 bill of materials

The STEVAL-LLL008P1 board is supplied with the STEVAL-LLL008V1 kit and is not available for separate sale

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	2	C1, C2	220nF X2, 305Vac	Cap. Polypropylene MKP, 7x18xp15	TDK - Epcos	B32922C3224K000
2	2	C3, C33	3.3nF X1 Y2, 300Vac	Cap. Disk Ceram., Ø 9 x 5	Vishay	VY2332M35Y5VS63V7
3	1	C5	MKP 470nF X2, 305Vac	Cap. Polypropylene, 9x18xp15	TDK - Epcos	B32922C3474M000
4	1	C6	2.2nF 630V R76, 630Vcc	Cap. Polypropylene, 3x10xp7.5	Kemet	R76PD1220SE00J
5	1	C7	330nF X7R, 50V	Chip Ceramic Cap., 0805	MULTICOMP PRO	MC0805B334K500CT
6	1	C8	1.5nF X7R, 50V	Chip Ceramic Cap., 0805	Kemet	C0805X152K5RACTU
7	1	C9	nF X7R, 50V	Chip Ceramic Cap. 1nF, 0805	Kemet	C0805C102K5RACTU
8	2	C10, C24	100nF X7R, 50V	Chip Ceramic Cap., 0805	Kemet	C0805F104K5RACAUTO
9	1	C11	22μF, 35V	Chip Ceramic Cap., 1206	TDK - Epcos	C3216X5R1V226M160AC
10	1	C12	22µF 25V, 25	Electr. Cap., Ø 5x11xp2	Nichicon	UPW1E220MDD1TD
11	1	C13	470pF COG- NP0, 100V	Chip Ceramic Cap., 0805	Murata	GRM2165C2A471JA01D
12	1	C14	100pF X7R, 1KV	Chip Ceramic Cap., 0805	Kemet	C0805X101KDRACTU
13	1	C15	15pF COG-NP0, 50V	Chip Ceramic Cap., 0805	VISHAY	VJ0805A150JXACW1BC
14	4	C16, C17, C18, C19	470μF, 100V	Electr. Cap., Ø 16x25xp7.5	Panasonic	ECA2AM471
15	1	C20	220nF X7R, 100V	Chip Ceramic Cap., 0805	Kemet	C0805X224K1RACTU
16	1	C21	220μF, 25V	Electr. Cap., Ø 6.3x11xp2.5	Rubycon	25YXJ220M6.3X11
17	1	C22	1nF-1KV, 300Vac	Cap. Disk Ceram., Ø 7.5xp10	Vishay	VY2102M29Y5US6TV7
18	2	C25, C26	470pF COG- NP0, 100V	Chip Ceramic Cap., 0603	Kemet	C0603C471J1GACTU
19	1	C27	4.7μF, 100V	Electr. Cap., Ø 5x11xp2	Nichicon	UPS2A4R7MDD
20	3	C28, C29, C32	10μF, 35V	Electr. Cap., Ø 5x11xp2	Nichicon	UVZ1V100MDD
21	2	C30-C34	10nF X7R, 50V	Chip Ceramic Cap., 0805	Samsung	CL21B103KBANNNC
22	1	C31	1μF X7R, 25V	Chip Ceramic Cap., 0805	Samsung	CL21B105KAFNNNE
23	1	C35	47nF X7R, 50V	Chip Ceramic Cap., 0805	MULTICOMP PRO	MC0805B473M500CT
24	1	D1	-	High Voltage Rectifier, SMB	ST	STPS1H100U



Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
25	1	D2	-	High Frequency Rectifier, D2pak	ST	STTH30R03CG
26	1	D3	-	Bridge Rectifier, GBU	Vishay	GBU4K-E3/45
27	1	D4	-	Transil, DO-201	ST	1.5KE300A
28	1	D5	-	High Voltage Rectifier, SMA	ST	STTH108A
29	9	D6, D7, D9, D19, D20, D21, D22, D23, D10	-	Signal Diode, SOD-80	ON SEMICONDUC	LL4148
30	1	D8	16V	Zener Diode, SOD-80	Vishay	TZM5246B-GS08
31	1	D11	-	Zener Diode, DO-41	Vishay	BZX85B82
32	1	D13	-	Shottky Rectifier, SOD-123	ST	STPS0560Z
33	1	D14	15V	Zener Diode, SOD-80	Vishay	TZM5245B-GS08
34	1	D15	33V	Zener Diode, SOD-80	Vishay	TZM5257B-GS08
35	1	D17	5.6V	Zener Diode, SOD-80	Vishay	TZM5232B-GS08
36	1	D18	-	Power Shottky Rectifier, SMA	ST	STPS2H100A
37	1	D24	68V	Zener Diode, SMB	Vishay	SMZJ3809B
38	1	F1	2A	Fuse	Wickmann	38212000410
39	1	-	-	Fuseholder	Wickmann	55900000001
40	1	HS1	-	Heat Sink TO220 for PCB, diss-7141	Aavid Thermalloy	7141DG
41	2	J1, J2	-	PM 5.08/03/90 3.5SN BK BX, PCB Terminal 3 ways p.5.08mm	Weidmuller	PM 5.08/03/90 3.5SN BK BX
42	1	J5	-	PM 5.08/02/90 3.5SN BK BX, PCB Terminal 2 ways p.5.08mm	Weidmuller	PM 5.08/02/90 3.5SN BK BX
43	1	J12	-	Female Receptacle 4 poles, 4 way x 2.54mm	Fischer Elektronik	BL5.36Z
44	1	L1	20mH 1.5A	Common Mode Choke, 28x28xH22.9	Schaffner	EH28-1.5-02-20M
45	1	L2	560µH	Inductor, Ø20.32xh22.86xp14.	COILCRAFT	PCV-2-564-02L
46	1	Q1	-	Power Mos N- Chanel, TO220FP	ST	STF23N80K5
47	1	Q2	-	Power Mos N- Chanel, Power Flat 3.3x3.3	ST	STL4N10F7
48	1	Q3	-	Power Mos N- Chanel, SOT23	ON SEMICONDUC	2N7002



Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
49	2	Q5-Q19	-	NPN Transistor, SOT23	ON SEMICONDUC	BC817-25LT3G
50	1	Q7	-	Dual Power Mos N-Chanel, PowerFLAT™ 5x6 Double	ST	STL20DN10F7
51	1	Q16	-	PNP Transistor, SOT23	DIODES INC.	MMBT3906-7-F
52	1	Q18	-	NPN transistor, SOT23	DIODES INC.	MMBT3904-7-F
53	1	RV1	S10 300K, 470Vac	Varistor, Ø12 x 5.1mm	EPCOS	B72210S0301K101
54	1	R2	10M	Chip Resistor, 1206	YAGEO	RC1206FR-0710ML
55	1	R16	0R0	Chip Resistor, 1210	Vishay	CRCW12100000ZSTA
56	1	R4	0R0	Chip Resistor, 1206	Vishay	CRCW12060000Z0EA
57	2	R5, R6	47K	Chip Resistor 0.01, 0805	YAGEO	RC0805FR-074K7L
58	2	R8, R9	220R	Chip Resistor, 0805	YAGEO	RC0805FR-07220RL
59	3	R10, R11, R37	0R33	Chip Resistor, 2512	Panasonic	ERJ1TRQFR33U
60	1	R12	56K	Chip Resistor, 1206	YAGEO	RC1206FR-0756KL
61	1	R13	470R	Chip Resistor, 0805	YAGEO	RC0805FR-07470RL
62	1	R14	20K 0.01	Chip Resistor, 0805	YAGEO	RC0805FR-0720KL
63	1	R47	22K	Chip Resistor, 0805	YAGEO	RC0805FR-0722KL
64	1	R61	24K	Chip Resistor, 0805	Vishay	RC0805FR-0724KEA
65	2	R17, R60	750R	Chip Resistor, 0805	MULTICOMP PRO	MCWR08X7500FTL
66	1	R23	0R0	Chip Resistor, 1210	Vishay	CRCW12100000ZSTA
67	2	R35-R27	1K	Chip Resistor, 1206	YAGEO	RC1206FR-071KL
68	2	R36, R54	0R0	Chip Resistor, 0805	Vishay	CRCW08050000Z0EA
69	3	R38, R49, R56	100K	Chip Resistor, 0805	YAGEO	RC0805FR-07100KL
70	1	R39	200K	Chip Resistor, 0805	YAGEO	RC0805FR-07200KL
71	1	R40	100R	Chip Resistor, 1206	YAGEO	RC0805FR-07100RL
72	5	R41, R43, R57, R62, R63	1K	Chip Resistor, 0805	YAGEO	RC0805FR-071KL
73	1	R52	0R33	Chip Resistor, 1206	BOURNS	CRL1206-FW-R330ELF
74	1	R42	0R36	Chip Resistor, 1206	BOURNS	CRL1206-FW-R360ELF
75	1	R44	2K7	Chip Resistor, 0805	YAGEO	RC0805FR-072K7L
76	1	R45	82K	Chip Resistor, 0805	YAGEO	RC0805FR-0782KL
77	1	R46	300K	Chip Resistor, 0805	PANASONIC	ERJ6ENF3003V
78	1	R50	470K	Chip Resistor, 0805	YAGEO	RC0805FR-07470KL
79	1	R51	4K3	Chip Resistor, 0805	Vishay	CRCW08054K30FKEA.
80	1	R55	1M	Chip Resistor, 0805	YAGEO	RC0805FR-071ML
81	1	R58	680R	Chip Resistor, 0805	YAGEO	RC0805FR-07680RL
82	1	R59	10K	Chip Resistor, 0805	YAGEO	RC0805FR-0710KL



Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
83	14	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP11, TP12, TP13, TP15, TP16, TP17	-	Test Point Red, TH-5000	KEYSTONE	5000
84	2	TP9, TP10	-	Test Point Black, TH-5001	KEYSTONE	5001
85	1	T1	-	Transformer HF, 37x47xH24.5mm	Magnetica	2295.0004
86	1	U2	-	High perform. CM LED control, SO8	ST	HVLED002
87	1	U3	-	High PF flyback control, SSOP-10	ST	HVLED001B
88	1	U5	-	Adjust Voltage Reference, SOT23	ST	TL431AIL3T
89	1	U6	-	Voltage Regulator with INH, DPAK	ST	LF33AB
90	3	-	H15mm	Spacer	Richco	TCBN-T1-M3-8-15
91	1	-	-	PCB CB06.V02, 198mmx50mm FR4	-	-

Table 2: STEVAL-LLL008C1 bill of materials

The STEVAL-LLL008C1 board is supplied with the STEVAL-LLL008V1 kit and is not available for separate sale

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	7	C37, C38, C40, C42, C43, C44, C50	100nF, 50V	CAP CER X7R 0805, SMD 0805	Yageo	CC0805KRX7R9BB104
2	2	C39, C41	2.2pF, 50V	CAP CER NP0 0805, SMD 0805	AVX Corporation	08055A2R2BAT2A
3	2	D21, D22	CLEAR	LED AMBER CLEAR 5MM ROUND T/H, TH 2.5mm	Cree	C503B-AAN- CA0C0252-015
4	1	D23 (not mounted)	75V	Diode, DO-213AA	-	DNM
5	1	J3	5X2	CONN HEADER VERT 10POS 1.27MM, TH	CNC Tech	3220-10-0100-00
6	1	J4	TERM BLOCK PLUG 4POS STR 2.5MM	CONN HEADER R/ A 4POS 2.54MM, TH	Wurth Electronics	61300411021
7	1	RT1 (not mounted)	NTC	TH	-	DNM
8	3	R52, R54, R63	10K, 1/8W, ±1%	RES SMD 0805, SMD0805	Yageo	RC0805FR-0710KL
9	3	R53, R57, R58	1K, 1/4W, ±1%	RES 0805, SMD0805	Stackpole Electronics Inc	RNCP0805FTD1K00
10	1	R59 (not mounted)	1K, 1/4W, ±1%	RES 0805, SMD0805	-	DNM
11	1	SW1	15V, 0.02A	SWITCH TACTILE SPST-NO, SMD	Panasonic	EVP-AA402W



Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
12	1	U8	-	IC MCU 32BIT 192KB FLASH, UFQFPN32	ST	STM32L071KZU6-TR
13	1	U10	868MHz	Transceiver Module, SMD	ST	SPSGRFC-868
14	1	Y1	32.768kHz ±20ppm 12.5pF 30 kΩ -10°C ~ 60°C	CRYSTAL Through Hole Cylindrical Can, Radial, TH	Abracon LLC	AB38T-32.768KHZ
15	1	-	868MHz	RF ANTENNA 868MHZ WHIP STR CAB PAN	Linx Technology	ANT-868-PW-QW-UFL



#### **STMicroelectronics**

#### **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:

(1Product 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

"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.