

Demonstration boards

STMicroelectronics application support



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Contents

Product demonstration boards	4
Audio ICs	4
Power management ICs	5
Motion sensors (MEMS)	7
RF power	8
Motor control ICs	8
Lighitng ICs	9
Communication and connectivity ICs	10
System demonstration boards	11
Communication and connectivity	11
Factory automation	11
Home appliance control	13
Home automation	13
Lighting	13
Metering	15
Motor control	16
PC peripheral interface	17
Power supply and power management	17
Set-top box	22

STMicroelectronics proposes a wide range of demonstration boards that may be used to perform a comprehensive evaluation of ST's products and solutions while reducing your development time.

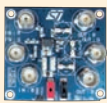
These demonstration boards are classified as:

- product demonstration boards that help you evaluate the features and performance of selected products
- system demonstration boards that propose optimized and tested solutions for your application design

These boards are intended solely for your evaluation, design and testing purposes.

Product demonstration boards

Audio ICs

Sales code	Board	Description	Core products
STEVAL-CCA001V1		Mono class D audio amplifier	Audio power amplifier: TS4962MEJT
STEVAL-CCA002V1		Low-voltage differential audio power amplifier	Audio power amplifier: TS4994IQT
STEVAL-CCA003V1		Low-voltage stereo audio power amplifier	Standard linear: TS4994IQT
STEVAL-CCA004V1		Video buffer and filter with sag correction	High-speed op amp: TSH120
STEVAL-CCA005V1		Triple video buffer with filter	High-speed op amp: TSH173
STEVAL-CCA006V1		Low-cost triple video buffer with filter	High-speed op amp: TSH103
STEVAL-CCA007V1		Filter-free stereo 2 x 2.8 W class D audio power amplifier	Audio power amplifier: TS2012IQT
STEVAL-CCA008V1		2 x 1 W differential input stereo audio amplifier	Audio power amplifier: TS4998
STEVAL-CCA009V1		High-performance stereo headphone driver	Audio power amplifier: TS4601B
STEVAL-CCA010V1		Video buffer + filter with sag correction	Audio power amplifier: TSH122

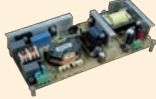
Product demonstration boards

Power management ICs

Sales code	Board	Description	Core products
EVAL4971		L4971 1.5 A step-down switching regulator evaluation board	Step-down regulator: L4971
EVAL4973		L4973 3.5 A step-down switching regulator evaluation board	Step-down regulator: L4973
EVAL5970D		L5970D up to 1 A step-down switching regulator evaluation board	Step-down regulator: L5970D
EVAL5972D		L5972D up to 2 A step-down switching regulator evaluation board	Step-down regulator: L5972D
EVAL5973AD		L5973AD 2 A step-down switching regulator evaluation board	Step-down regulator: L5973AD
EVAL5973D		L5973D up to 2.5 A step-down switching regulator evaluation board	Step-down regulator: L5973D
EVAL5985		Evaluation board for L5985: 2 A step-down switching regulator	Step-down regulator: L5985
EVAL6563-400W		400 W FOT PFC wide-range mains preregulator	PFC controller: L6563
EVAL6563-80W		L6563 80 W high-performance TM PFC with active tracking boost function evaluation board	PFC controller: L6563
EVAL6599-200W		200 W, 12 to 24 V, half-bridge LLC resonant SMPS with auxiliary for LCD TV evaluation board	Resonant controller: L6599
EVAL6599-400W-S		Wide-range 400 W L6599-based HB LLC resonant converter for PDP applications	Resonant controller: L6599
EVAL6599-400W-T		Wide-range 400 W (+200 V @ 1.6 A/+75 V @ 1 A) L6599-based HB LLC resonant converter	Resonant controller: L6599
EVAL6599-90W		L6599 90 W high-performance half-bridge LLC resonant SMPS with PFC evaluation board	Resonant controller: L6599
EVAL6668-STB		L6668 40 W high-performance flyback converter evaluation board	PWM controller: L6668
EVAL6902D		L6902D 1 A constant-current battery charger evaluation board	Step-down regulator: L6902D

Product demonstration boards

Power management ICs (cont'd)

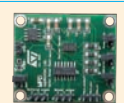
Sales code	Board	Description	Core products
EVAL6920D		L6920D 1 V high-efficiency synchronous step-up converter evaluation board	Step-up regulator: L6920D
EVAL6920DB1		L6920DB synchronous rectification step-up converter evaluation board	Step-up regulator: L6920DB
EVAL6924D		L6924D battery charger system with integrated power switch for Li-ion/Li-polymer evaluation board	Battery charger: L6924D
EVAL6926D		L6926 high-efficiency monolithic synchronous step-down regulator evaluation board	Step-down regulator: L6926
EVAL6928D		L6928D high-efficiency monolithic synchronous step-down regulator evaluation board	Step-down regulator: L6928D
EVAL6928Q1		L6928Q1 high-efficiency monolithic synchronous step-down converter evaluation board	Step-down regulator: L6928Q1
EVALPM8800A-HP		PM8800A: demonstration kit for standard and high-power PoE PD interface and power supply, with auxiliary sources	PoE powered device: PM8800A
EVALSTSR30-60W		60 W flyback SMPS with secondary synchronous rectification evaluation board	
EVALTSM1052		Ultra small battery charger using TSM1052	Voltage and current controller: TSM1052
EVALVIPER17L-7W		Demonstration board on 7 W single output based on the VIPer17	High-voltage converter: VIPer17
EVL6562A-35WFLB		35 W wide-range high power factor flyback converter using L6562A	PFC controller: L6562A
EVL6562A-400W		L6562A 400 W FOT-controlled PFC preregulator evaluation board	PFC controller: L6562A
EVL6562A-TM-80W		80 W high-performance transition mode PFC evaluation board	PFC controller: L6562A
EVL6566A-75WADP		19 V - 75 W laptop adapter with tracking boost PFC preregulator, using L6563 and L6566A	PFC controller: L6563, PWM controller: L6566A
EVL6591-90WADP		90 W AC-DC asymmetrical half bridge adapter using L6591 and L6563	PFC controller: L6563, PWM controller: L6591

Product demonstration boards

Power management ICs (cont'd)

Sales code	Board	Description	Core products
EVLVIP17-5WCHG		5 W low standby consumption battery charger demonstration board based on VIPER17HN	High-voltage converter: VIPer17

Motion sensors (MEMS)

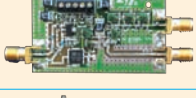
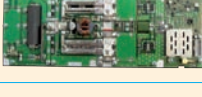
Sales code	Board	Description	Core products
STEVAL-MKI004V1		MEMS 3-axis - $\pm 2g/\pm 6g$ digital-output low-voltage linear accelerometer evaluation board	Motion sensor (MEMS): LIS3LV02DQ
STEVAL-MKI005V1		MEMS 3-axis - $\pm 2g/\pm 6g$ digital-output low-voltage linear accelerometer evaluation board	Motion sensor (MEMS): LIS3LV02DL
STEVAL-MKI006V1		MEMS 3-axis - $\pm 2g/\pm 8g$ digital-output low-power linear accelerometer evaluation board	Motion sensor (MEMS): LIS302DL
STEVAL-MKI009V1		LIS3LV02DL adapter board designed to be plugged into a standard DIL 20 socket	Motion sensor (MEMS): LIS3LV02DL
STEVAL-MKI013V1		LIS302DL adapter board designed to be plugged into a standard DIL 24 socket	Motion sensor (MEMS): LIS302DL
STEVAL-MKI014V1		MEMS 3-axis $\pm 2g/\pm 6g$ analog-output evaluation board	Motion sensor (MEMS): LIS344ALH
STEVAL-MKI015V1		Adapter board for the LIS344ALH	Motion sensor (MEMS): LIS344ALH
STEVAL-MKI016V1		Demonstration kit for the LIS344AL	Motion sensor (MEMS): LIS344AL
STEVAL-MKI017V1		Adapter board for the LIS344AL	Motion sensor (MEMS): LIS344AL
STEVAL-MKI018V1		Adapter board for the LIS244AL	Motion sensor (MEMS): LIS244AL
STEVAL-MKI019V1		Demonstration kit for the LIS302SG	Motion sensor (MEMS): LIS302SG
STEVAL-MKI020V1		Adapter board for the LIS302SG	Motion sensor (MEMS): LIS302SG
STEVAL-MKI021V1		MEMS 3-axis $\pm 2g$ analog-output evaluation board	Motion sensor (MEMS): LIS331AL

Product demonstration boards

Motion sensors (MEMS) (cont'd)

Sales code	Board	Description	Core products
STEVAL-MKI022V1		MEMS 3-axis $\pm 2g$ / $\pm 8g$ smart digital-output evaluation board	Motion sensor (MEMS): LIS331DLH
STEVAL-MKI023V1		Single-axis $\pm 300^\circ/s$ analog-output yaw-rate gyroscope evaluation board	Motion sensor (MEMS): LISY300AL
STEVAL-MKI024V1		MEMS 3-axis $\pm 2g$ / $\pm 8g$ smart digital-output evaluation board	Motion sensor (MEMS): LIS331DL

RF power

Sales code	Board	Description	Core products
STEVAL-TDR001V1		2-stage RF LDMOS amplifier evaluation board (RF AB-54003L-512)	RF power transistor: PD84001, RF power transistor: PD54003L-E
STEVAL-TDR003V1		2-stage RF LDMOS amplifier evaluation board (AB-54008L-175)	RF power transistor: PD84001, RF power transistor: PD54008L-E
STEVAL-TDR004V1		RF DMOS power amplifier reference design board	RF power transistor: SD2933
STEVAL-TDR005V1		RF DMOS power amplifier reference design board	RF power transistor: SD2933
STEVAL-TDR006V1		LDMOS power amplifier reference design (AB-84008L-470)	RF power transistor: PD84001, RF power transistor: PD84008L
STEVAL-TDR007V1		3-stage RF power amplifier demo board	RF power transistor: PD57
STEVAL-TDR009V1		650 W/48 V demo board using 2x SD2932 for FM broadcast (VHF amplifier 87.5 to 108 MHz) applications	RF power transistor: SD2932
STEVAL-TDR010V1		700 W/48 V demo board using 2x SD2942 for FM broadcast (VHF amplifier 87.5 to 108 MHz) applications	RF power transistor: SD2942

Motor control ICs

Sales code	Board	Description	Core products
EVAL6205N		L6205 DMOS dual full-bridge driver evaluation board	Dual DMOS full-bridge driver: L6205
EVAL6206N		L6206 DMOS dual full-bridge driver in PowerDIP package evaluation board	Dual DMOS full-bridge driver: L6206

Product demonstration boards

Motor control ICs (cont'd)

Sales code	Board	Description	Core products
EVAL6206PD		L6206 DMOS dual full-bridge driver in PowerSO package evaluation board	Dual DMOS full-bridge driver: L6206
EVAL6207N		L6207N DMOS dual full-bridge driver with PWM current controller evaluation board	Dual DMOS full-bridge driver: L6207
EVAL6208N		L6208 DMOS driver for bipolar stepper motor in PowerDip package evaluation board	Stepper motor driver: L6208
EVAL6208PD		L6208 DMOS driver for bipolar stepper motor in PowerSO package evaluation board	Stepper motor driver: L6208
EVAL6225PD		L6225 DMOS dual full-bridge driver evaluation board	Dual DMOS full-bridge driver: L6225
EVAL6226QR		Demonstration board using a dual full-bridge L6226Q (QFN package) for motor control applications	Dual DMOS full-bridge driver: L6226Q
EVAL6227PD		L6227 DMOS dual full-bridge driver with PWM current controller evaluation board	Dual DMOS full-bridge driver: L6227
EVAL6227QR		Demonstration board using a dual full-bridge L6227Q (QFN package) for motor control applications	Dual DMOS full-bridge driver: L6227Q
EVAL6229PD		L6229 DMOS driver for 3-phase brushless DC motor evaluation board	Three-phase brushless DC motor driver: L6229
EVAL6235N		L6235 DMOS driver for 3-phase brushless DC motor evaluation board	Three-phase brushless DC motor driver: L6235
EVALPRACTISPIN		PractiSPIN interface board	Motor driver: L6206, L6207, L6208, L6235; Microcontroller: ST72264

Lighting ICs

Sales code	Board	Description	Core products
EVAL6569		L6569 high-voltage half-bridge driver with oscillator evaluation board	Ballast half-bridge driver L6569
EVAL6574B		L6574 CFL/TL ballast driver preheat and dimming evaluation board	PFC controller: L6562; Ballast half-bridge driver: L6574

Product demonstration boards
Communication and connectivity ICs

Sales code	Board	Description	Core products
EVALCOMMBOARD		Communication/control board based on ST72F651AR6 microcontroller for power-line communication and industrial products	8-bit microcontroller: ST72F651AR6
EVALST7538DUAL		Dual-channel power-line transceiver board based on ST7538	Power-line transceiver: ST7538Q
EVALST7540-1		Power-line transceiver board based on ST7540	Power-line transceiver: ST7540

System demonstration boards

Communication and connectivity

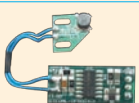
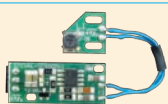
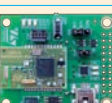
Sales code	Board	Description	Core products
STEVAL-CDE001V1		Embedded web server	8-bit microcontroller: ST72F321M9T6
STEVAL-IKA001V1		STM32 interconnection board	32-bit microcontroller: STM32
STEVAL-PCC002V1		Low-speed USB to serial bridge	8-bit microcontroller: ST7263B
STEVAL-PCC003V1		Low-speed USB board	Interface IC: STUSB03E, 8-bit microcontroller: ST72F63B
STEVAL-PCC004V1		Low-speed USB board	Interface IC: STUSB02E, 8-bit microcontroller: ST72F63B
STEVAL-PCC005V1		Hard disk drive (HDD) bridge demonstration board	32-bit microcontroller: STR912FAW44
STEVAL-PCC006V1		HDD bridge extension board for the EVAL-STR910	
STEVAL-PCC009V1		STM32-based universal USB to serial communication interface	32-bit microcontroller: STM32
STEVAL-TCS001V1		24-bit port expander demo board with LCD, keypad and PWM interfaces	Expander logic: STMPE2401
STEVAL-TCS003V1		24-bit port expander demo board with LCD, keypad and PWM interfaces	Expander logic: STMPE2403
STEVAL-TCS004V1		16-bit port expander demo board with keypad and PWM controller	Expander logic: STMPE1601

Factory automation

Sales code	Board	Description	Core products
STEVAL-IFD001V1		Full USB dongle	32-bit microcontroller: STR912
STEVAL-IFN001V2		Low-cost oriented to multi-axis motion control	16-bit microcontroller: ST10F276
STEVAL-IFN002V1		ARMIC30, CAN industrial controller	32-bit microcontroller: STR730

System demonstration boards

Factory automation (cont'd)

Sales code	Board	Description	Core products
STEVAL-IFP001V1		High-side driver - 8 channels	Intelligent power switch: VN808CM
STEVAL-IFP002V1		High-side driver - 8 channels	Intelligent power switch: VN808CM
STEVAL-IFP003V1		High-side driver - 4 channels	Intelligent power switch: VN340
STEVAL-IFP004V1		Digital-input termination	ASD thyristor: PCLT2A
STEVAL-IFP006V1		High-side driver	Intelligent power switch: VNI4140K
STEVAL-IFP008V1		Current-limiting termination	ASD thyristor: CLT3-4BT6
STEVAL-IFS002V2		MEMS module for STR9 dongle	Motion sensor (MEMS): LIS3LV02DL
STEVAL-IFS003V1		Temperature sensor	STDS75M2F/STLM75M2F, STDS75DS2F/STLM75DS2F
STEVAL-IFS004V1		Proximity detector	Proximity sensor: TDE0160FP
STEVAL-IFS005V1		Proximity detector	Proximity sensor: TDA0161FP
STEVAL-IFS006V1		Smart inductive proximity switch	8-bit microcontroller: ST7LITEUS5, intelligent power switch: TDE1708DFT
STEVAL-IFS006V2		Smart inductive proximity switch	TVS clamping arrays: SPT01-335DEE
STEVAL-IFS009V1		SPZB250 module for STR9 dongle	ZigBee module: SPZB250
STEVAL-IFS010V1		STR9 ZigBee® extension for SN260 network processor	Motion sensor (MEMS): LIS302DL, ZigBee IC: SN260
STEVAL-IFS012V1		Multi-device temperature sensor demo board	8-bit microcontroller: ST72651AR6, temperature sensor: STTS75

System demonstration boards

Factory automation (cont'd)

Sales code	Board	Description	Core products
STEVAL-IFW001V1		Real-time Ethernet slave node demo board	32-bit microcontroller: STR912FAW44
STEVAL-IFW002V1		Real-time Ethernet Xilinx FPGA extension for STEVAL-IFW001V1	Interface: ST3485EB

Home appliance control

Sales code	Board	Description	Core products
STEVAL-IHT001V1		Thermostat control board for refrigerators	8-bit microcontroller: ST7LITE39
STEVAL-IHT002V1		Basic thermostat control board for cooling applications	8-bit microcontroller: ST7Ultralite
STEVAL-IHT003V1		Low-loss e-Starter for compressors	AC switch: ACST6-7ST, thyristors and AC switches: X0205NN

Home automation

Sales code	Board	Description	Core products
STEVAL-IAS001V1		Security keypad	8-bit microcontroller: ST7FLite39F2M6

Lighting

Sales code	Board	Description	Core products
STEVAL-CLP001V1		PMOLED display power supply	Switching regulator: STOD2540
STEVAL-ILB001V2		36 W - 220 Vac low-cost HF ballast using the bipolar solution for PFC	Sensitive gate SCRs: X02
STEVAL-ILB004V1		Multipower microcontrolled ballast for fluorescent tubelamps	8-bit microcontroller: ST7Lite1B, power MOSFET: STP5NK60Z
STEVAL-ILB005V1		Combo IC for PFC and ballast control 220 V (198 V to 264 V)	Ultrafast rectifier: STTH1L06
STEVAL-ILB005V2		Combo IC for PFC and ballast control 110 V to 220 V (88 V to 277 V)	Ultrafast rectifier: STTH1L06
STEVAL-ILH001V1		250 W electronic ballast demonstration board for metal halide lamps	PFC controller: L6562, 8-bit microcontroller: ST7LITE39F2

System demonstration boards

Lighting (cont'd)

Sales code	Board	Description	Core products
STEVAL-ILH002V1		35 W electronic ballast for HID lamp (metal halide)	IGBT: STGD3NB60SD
STEVAL-ILL001V1		Dimmable driver for HB power LEDs with VIPer22A (DALI connector)	High-voltage converter: VIPer22A
STEVAL-ILL002V3		HB LED with diagnostics (40 LEDs)	LED driver: STP08DP05
STEVAL-ILL002V4		HB LED with diagnostics (40 LEDs)	LED driver: STP08DP05
STEVAL-ILL003V1		HB LED without diagnostics (32 LEDs)	LED driver: STP16CP596
STEVAL-ILL003V2		HB LED driver without diagnostics (32 LEDs)	LED driver: STP16CP05
STEVAL-ILL004V2		Phase-control dimmer board	8-bit microcontroller: ST7FLITEUS5B6
STEVAL-ILL005V1		VIPer12A offline, constant-current driver for high-intensity LEDs	High-voltage converter: VIPer12A
STEVAL-ILL006V1		VIPer22A offline, constant-current driver for high-intensity LEDs	High-voltage converter: VIPer22A
STEVAL-ILL007V1		High-intensity LED driver for MR-16 format	Step-down regulator: L5973D
STEVAL-ILL008V1		LED flashlight demo	Step-up regulator: L6920D
STEVAL-ILL009V3		OSTAR projection module	LED driver: STP04CM596
STEVAL-ILL009V4		OSRAM Dragon LEDs module	LED driver: STP04CM596
STEVAL-ILL009V5		New RGB LED control board	LED driver: STP04CM05, step-down regulator: ST1S10
STEVAL-ILL010V1		High-intensity LED dimming driver	Step-down regulator: L6902

System demonstration boards

Lighting (cont'd)

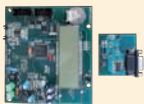
Sales code	Board	Description	Core products
STEVAL-ILL014V1		Constant-current controller for high-brightness LEDs	Multifunction linear regulator: STCS1A
STEVAL-ILL015V1		High-brightness RGB LED array with LED error detection	LED driver: STP24DP05
STEVAL-ILL016V1		15 W offline Triac dimmable LED driver (USA market - 115 V)	PFC controller: L6562AD, voltage and current controller: TSM1052
STEVAL-TLL001V1		White LED controller based on STLD40D	Switching regulator: STLD40D
STEVAL-TLL002V1		Flash driver	Switching regulator: STCF01
STEVAL-TLL003V1		Power flash driver	Switching regulator: STCF02
STEVAL-TLL005V1		Power flash evaluation board (includes the STEVAL-TLL004V1)	Switching regulator: STCF03, 8-bit microcontroller: ST7

Metering

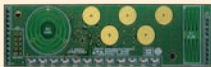
Sales code	Board	Description	Core products
STEVAL-IPA001V1		Anti tamper and security kit	Security supervisor: STM1403, 8-bit microcontroller: UPSD3422EV
STEVAL-IPB001V1		2 W 3-phase SMPS for breaker	ESBT: STC04IE170HP
STEVAL-IPE002V1		Energy meter (mono phase)/2 current-transformer measurement board	Interface IC: STPM01
STEVAL-IPE003V1		Energy meter (mono phase) /1 current-transformer + shunt measurement board	Interface IC: STPM01
STEVAL-IPE005V1		STPM01 programmer board	8-bit microcontroller: STR710FZ2T6
STEVAL-IPE007V1		Mono-phase energy meter	8-bit microcontroller: ST7FLITE
STEVAL-IPE008V1		Energy meter (3-phase)	Interface IC: STPM01, 8-bit microcontroller: STR715FR0

System demonstration boards

Metering (cont'd)

Sales code	Board	Description	Core products
STEVAL-IPE009V1		Mono-phase/multi-tariff energy meter	8-bit microcontroller: ST72321BR9, interface IC: STPM14

Motor control

Sales code	Board	Description	Core products
STEVAL-IHI001V1		Washing-machine user interface	8-bit microcontroller: ST7LITE49M, front-panel controller: STLED316S
STEVAL-IHI002V1		User interface for home appliances /S-Touch™ daughterboard	Touch sensor IC: STMPE1208SQTR
STEVAL-IHM006V1		AC-AC chopper driver	8-bit microcontroller: ST7LITE05
STEVAL-IHM008V1		Power board based on SEMITOP 2	IGBT: STG3P2M10N60B
STEVAL-IHM009V1		Power board based on SEMITOP 3	IGBT: STG3P3M25N60
STEVAL-IHM010V1		ST7MC control board with motor control connector	8-bit microcontroller: ST7MC2S4
STEVAL-IHM011V1		IGBT power module kit - SEMITOP 2 power board	IGBT: STG3P2M10N60B
STEVAL-IHM012V1		Cordless drill evaluation board	8-bit microcontroller: ST7FLITEUS5
STEVAL-IHM013V1		Low-end vacuum cleaner evaluation board	8-bit microcontroller: ST7FLITEUS5M6
STEVAL-IHM015V1		Low-voltage motor-control demo kit	8-bit microcontroller: ST7FMC2S4T6
STEVAL-IHM017V1		100 W 3-phase inverter for BLDC sensorless motor control	8-bit microcontroller: ST7FMC2S4T6
STEVAL-IHM019V1		Complete inverter for low-power 3-phase asynchronous motors	IGBT: STGP6NC60HD
STEVAL-IHM020V1		AC switch failure detector demo board	AC switch: STCC08RL

System demonstration boards

Motor control (cont'd)

Sales code	Board	Description	Core products
STEVAL-IHM021V1		100 W 3-phase inverter	Power MOSFET: STD5NK52ZD, MOS/IGBT drivers

PC peripheral interface

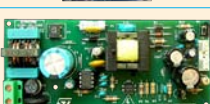
Sales code	Board	Description	Core products
STEVAL-CCM001V1		Digital photo frame	32-bit microcontroller: STM32F103RBT6
STEVAL-PCN001V1		USB power switch	8-bit microcontroller: ST72F621J4
STEVAL-SCM001V1		RTC dongle demo board based on M41T62 and ST7 USB	Real-time clock: M41T62, 8-bit microcontroller: ST7

Power supply and power management

Sales code	Board	Description	Core products
STEVAL-ISA001V1		ViPer12A dual-output reference board 85 to 264 Vac input, 6 W output	High-voltage converter: ViPer12A
STEVAL-ISA002V1		ViPer12A single-output reference board 85 to 264 Vac input, 6 W output	High-voltage converter: ViPer12A
STEVAL-ISA004V1		ViPer22A dual-output reference board 90 to 264 Vac input, 10 W output	High-voltage converter: ViPer22
STEVAL-ISA005V1		1.8 W buck-topology power supply	High-voltage converter: ViPer12AS
STEVAL-ISA006V1		6 W non-isolated flyback-topology power supply	High-voltage converter: ViPer12AS
STEVAL-ISA007V1		3-phase auxiliary power supply (150 W)	ESBT: STC08DE150, PWM controller: L5991
STEVAL-ISA008V1		ViPer53-E low-cost wide-range power supply for LCDs or TVs, 28 W output	High-voltage converter: ViPer53-E
STEVAL-ISA009V1		ViPer53 single-output reference board, 90 to 264 Vac input, 24 W output	High-voltage converter: ViPer53
STEVAL-ISA011V1		ViPer12A low-power AC-DC adapter (suitable for STEVAL-ILL002V1)	High-voltage converter: ViPer12A

System demonstration boards

Power supply and power management (cont'd)

Sales code	Board	Description	Core products
STEVAL-ISA012V1		3-phase power supply with VIPer + MOSFETs	High-voltage converter: VIPer12AS, power MOSFET: STD3NK50Z
STEVAL-ISA013V1		VIPer53 dual-output offline, wide-range power supply, 24 W output	High-voltage converter: VIPer53
STEVAL-ISA014V1		VIPer12A travel adaptor, 3.6 W output	High-voltage converter: VIPer12A
STEVAL-ISA015V2		3-phase power supply (100 W)	ESBT: STC04IE170HV
STEVAL-ISA018V1		200 W resonant SMPS	Resonant controller: L6599
STEVAL-ISA019V2		80 W ESBT quasi-resonant wide-range SMPS for 3-phase application	Quasi-resonant controller: L6565
STEVAL-ISA020V1		3.5 W battery charger	High-voltage converter: VIPer12AS, voltage and current controller: TSM101CD
STEVAL-ISA023V1		Flyback AC-DC converter	High-voltage converter: VIPer53E
STEVAL-ISA023V2		Flyback AC-DC converter	High-voltage converter: VIPer53E
STEVAL-ISA024V1		Step-down DC-DC converter at 3.3 V _{out} /20 A, switching frequency 250 kHz	Voltage mode PWM controller: L6725
STEVAL-ISA025V1		Step-down DC-DC converter at 3.3 V _{out} /30 A, switching frequency 400 kHz	Step-down controller: L6730
STEVAL-ISA026V1		Step-down DC-DC converter at 3.3 V _{out} /20 A, switching frequency 250 kHz	Step-down controller: L6732
STEVAL-ISA027V1		Single-phase step-down converter	PWM controller: L6726A
STEVAL-ISA028V1		Single-phase step-down converter	PWM controller: L6727
STEVAL-ISA029V1		Compact power supply for DVD players/set-top boxes with three V _{out} (-30 V/+3.3 V/+12 V)	High-voltage converter: VIPer53

System demonstration boards

Power supply and power management (cont'd)

Sales code	Board	Description	Core products
STEVAL-ISA031V1		40 W auxiliary 3-phase power supply	ESBT: STC04IE170HP, quasi-resonant controller: L6565
STEVAL-ISA032V1		60 W forward converter for electronic fiscal cash register	PWM controller: L5991, power MOSFETs: STP10NK60Z
STEVAL-ISA033V1		55 W flyback SMPS for alarm systems	PWM controller: L5991, power MOSFET: STP10NK80Z
STEVAL-ISA034V1		10 W 3-phase auxiliary power supply	Quasi-resonant controller: L6565, power MOSFET: STP3N150
STEVAL-ISA035V1		Offline, non-isolated power supply evaluation board	High-voltage converter: Viper22A
STEVAL-ISA037V1		Single-phase, 20 A evaluation board for L6728 step-down PWM controller with power good	PWM controller: L6728
STEVAL-ISA038V1		Single-phase 5 A step-down converter	PWM controller: L6728
STEVAL-ISA039V1		Single-phase 5 A step-down converter	PWM controller: L6727
STEVAL-ISA042V1		1.5 A/1.2 V step-down DC-DC converter	Step-down regulator: ST1S03
STEVAL-ISA042V2		1.5 A/3.3 V step-down DC-DC converter	Step-down regulator: ST1S03
STEVAL-ISA043V1		1.5 A/1.2 V high-frequency synchronous buck converter	Step-down regulator: ST1S06
STEVAL-ISA043V2		1.5 A/3.3 V high-frequency synchronous buck converter	Step-down regulator: ST1S06
STEVAL-ISA044V1		3 A synchronous 900 kHz step-down DC-DC converter with inhibit function	Step-down regulator: ST1S10PHR
STEVAL-ISA044V2		3 A synchronous 900 kHz step-down DC-DC converter with inhibit function	Step-down regulator: ST1S10
STEVAL-ISA045V1		2 A/1.2 V high-efficiency synchronous buck converter	Step-down regulator: ST1S09

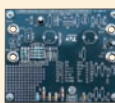
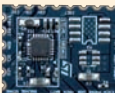
System demonstration boards

Power supply and power management (cont'd)

Sales code	Board	Description	Core products
STEVAL-ISA045V2		2 A/3.3 V high-efficiency synchronous buck converter	Step-down regulator: ST1S09
STEVAL-ISA046V1		2 A/1.2 V high-efficiency synchronous buck converter	Step-down regulator: ST1S09
STEVAL-ISA046V2		2 A/3.3 V high-efficiency synchronous buck converter	Step-down regulator: ST1S09
STEVAL-ISA047V1		1.5 A/1.2 V step-down DC-DC converter	Step-down regulator: ST1S03A
STEVAL-ISA047V2		1.5 A/3.3 V step-down DC-DC converter	Step-down regulator: ST1S03A
STEVAL-ISA048V2		1 A, adjustable Vout PWM synchronous step-up DC-DC converter	Step-up regulator: ST8R00
STEVAL-ISA049V1		Synchronous dual buck converter with reset	Multifunction switching regulator: ST2S06A
STEVAL-ISA049V2		Synchronous dual buck converter with inhibit	Multifunction switching regulator: ST2S06B
STEVAL-ISA050V1		PM6641 evaluation kit - monolithic VR for chipset and DDR2/3 supply for ultra-mobile PC (UMPC) applications	Multi-output regulator: PM6641
STEVAL-ISA051V1		PM6670S evaluation kit - complete DDR2/3 memory power-supply controller	Multi-output regulator: PM6670S
STEVAL-ISA051V2		PM6670AS evaluation kit - complete DDR2/3 memory power supply controller - industrial range	Multi-output regulator: PM6670AS
STEVAL-ISA052V1		PM6675S evaluation kit - high-efficiency step-down controller with embedded 2 A LDO regulator	Multi-output regulator: PM6675S
STEVAL-ISA052V2		Evaluation board for PM6675AS high-efficiency step-down controller with embedded 2 A LDO regulator	Multi-output regulator: PM6675AS
STEVAL-ISA053V1		PM6680 evaluation kit - no Rsense dual step-down controller with adjustable voltages for notebook system power supplies	Multi-output regulator: PM6680
STEVAL-ISA053V2		PM6680A evaluation kit - dual synchronous step-down controller with adjustable output voltages plus LDO - industrial range	Multi-output regulator: PM6680A

System demonstration boards

Power supply and power management (cont'd)

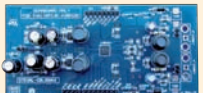
Sales code	Board	Description	Core products
STEVAL-ISA055V1		0.7 A/1.2 V synchronous buck converter with enable	Step-down regulator: ST1S12
STEVAL-ISA055V2		0.7 A/3.3 V synchronous buck converter with enable	Step-down regulator: ST1S12
STEVAL-ISA056V1		6-row, 30 mA LED driver with boost converter for notebook PC LCD-panel backlighting	Multi-output regulator: PM6600
STEVAL-ISA058V1		High-performance VIPER17LN demo board (low consumption in standby and low load)	High-voltage converter: VIPer17LN
STEVAL-ISA059V1		12 V to 6 V DC-DC converter	PWM controller: TSM108
STEVAL-ISA060V1		6 W single-output SMPS	High-voltage converter: VIPer17HN
STEVAL-ISB001V1		Cell phone battery charger	Power MOSFET: STD1LNK60Z
STEVAL-ISB002V1		Digital camera battery charger	8-bit microcontroller: ST72F324
STEVAL-ISB003V1		USB single-cell Li-ion battery charger evaluation board	8-bit microcontroller: ST7Lite, 8-bit microcontroller: ST7260
STEVAL-ISB005V1		Low-cost Li-ion battery charger	8-bit microcontrollers: ST7260, battery management: L6924D
STEVAL-ISB006V1		Dual USB/wall adapter Li-ion battery charger with gas gauge	Battery management: STw4102
STEVAL-ISB007V1		Standalone USB charger	Battery management: L6924U
STEVAL-ISB008V1		Standalone USB Li-ion battery charger	Battery management: STw4102, 32-bit microcontroller: STM32
STEVAL-ISC001V1		30 W AC-DC adapter	Quasi-resonant controller: L6565
STEVAL-ISC002V1		Resonant LCC 90 W notebook adapter	Resonant controller: L6599, power MOSFET: STP9NK50ZFP

System demonstration boards

Power supply and power management (cont'd)

Sales code	Board	Description	Core products
STEVAL-ISF001V1		3 kW fixed-off-time PFC	Power MOSFET: STW55NM60N
STEVAL-ISQ006V1		USB to PMBus bridge evaluation board	8-bit microcontrollers: ST72F651
STEVAL-ISQ007V1		High-side current-sense amplifier demo board	Current sense amplifier: TSC101
STEVAL-ISS001V1		UPS evaluation board (Vout: 120 V)	8-bit microcontroller: ST72F63BE2M1
STEVAL-ISS001V2		UPS evaluation board (Vout: 220 V)	8-bit microcontroller: ST72F63BE2M1
STEVAL-PSQ001V1		Power management for CPU, FPGA and memories	Multi-output regulator: PM6680A

Set-top box

Sales code	Board	Description	Core products
STEVAL-CBL001V1		Power supply and control for LNB	8-bit microcontroller: ST72521, voltage regulator: LNBP15SP
STEVAL-CBL003V1		Power supply for LNB	Switching regulator: LNBH23
STEVAL-CBL005V1		Power supply for LNB	Switching regulator: LNBH23
STEVAL-CBL006V1		Power supply for LNB	Switching regulator: LNBH24
STEVAL-CBP002V1		VFD display controller with power management, real-time clock and other front-panel control/display functions	Front-panel controller: STFP320, 8-bit microcontroller: ST72F325K4T6
STEVAL-CBP003V1		Set-top box front-panel board	LED driver: STLED316SMTR, 8-bit microcontroller: ST7FLITE39F2M6
STEVAL-CBP004V1		STB/DVD front-panel display	LED driver: STFP311, 8-bit microcontrollers: ST72264
STEVAL-CBP005V1		Front-panel display for HR21/H21 STB	LED driver: STLED316S



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