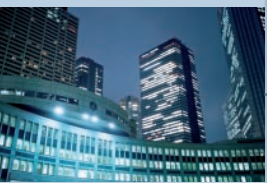
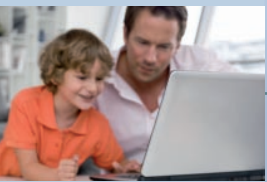




Evaluation boards for Automotive, Industrial and Multimarket Applications 2011



Contents

Automotive	05
Motor Control	11
Industrial Control & Automation	14
Power Management	18
Lighting & LED Driver	21
Microcontroller	25
RF & Protection Devices	33
Wireless Control	41



Design-in made easy with our evaluation boards



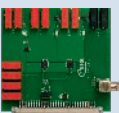
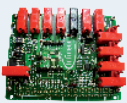




With our broad range of products and solutions, we have the perfect fit for just about any automotive, consumer, communication or industrial application. Because we are determined to deliver best-in-class technical support for our customers, we complement our product offering with a wide selection of supporting hardware, software and evaluation boards.




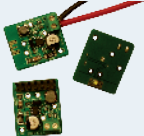
These evaluation boards are an invaluable design tool. They showcase the most cost-effective and innovative solution for your particular design challenge at a glance. In addition, they simplify and speed up design-in thanks to pre-configured hardware. Similar to bills of material, application-oriented overviews of possible product combinations further enhance the design process.

This brochure gives you a complete overview of our evaluation board offering, showing you how these boards benefit your design effort in a number of ways.


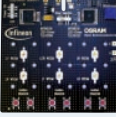






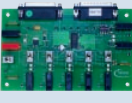
Board Name	Products	Description	Order No.
For Microcontroller, RF & Protection Devices and Wireless Control boards please see the appropriate chapter.			
 HITFET™ protected low-side power switch	BTS 3256D Low-side switch	Protected low-side power switch (10mΩ at 25°C). This board enables easy startup and connectivity for the new power HITFET™ BTS 3256D. Enables easy read out of digital status via LED, and easy slew rate change via variable resistor on board.	Demoboard BTS3256D
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7231G TLE 7233G Multi-channel switch	SPI Driver for Enhanced Relay Control (SPIDER). This board is designed to interface with the universal body control module system evaluation tool.	Demoboard TLE7231G/7233G
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7234EM TLE 7234SE TLE 7237SL Multi-channel switch	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7234SE and TLE 7237SL.	Demoboard TLE7234/7237
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7235EM TLE 7235SE TLE 7238SL Multi-channel switch	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7235SE and TLE 7238SL.	Demoboard TLE7235/7238
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7236EM TLE 7236SE TLE 7239SL Multi-channel switch	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7236SE and TLE 7239SL.	Demoboard TLE7236/7239
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7240SL TLE 7243SL TLE 7244SL Multi-channel switch	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7240SL, TLE 7243SL and TLE 7244SL.	Demoboard TLE724XSL
 BTS 50015-1TAA demo board	BTS 50015-1TAA PowerPROFET	To test one or two devices (in parallel); board can be connected to PowerEasyKit; diagnosis and controlling either directly on the board or by graphical user interface via PowerEasyKit.	Demoboard BTS50015-1TAA
 BTS 50060-1TEA demo board	BTS 50060-1TEA High-side switch	For quick-starting into lab evaluation of PROFET™ BTS 50060-1TEA high-side switch. This demo board can drive two parallel loads, such as PTC heaters, glow plugs, seat heating in 12V DC applications. The board provides overtemperature, overload and short circuit protection, as well as detection of open load or short-to-battery. Load current can be measured accurately up to 60A. The board can be used stand-alone, but also in combination with Power Easy Kit for quick start of software evaluation.	Demoboard BTS50060-1TEA




Board Name	Products	Description	Order No.
 BTC 50010-1TAA demo board	BTC 50010-1TAA Connect FET	The board is designed for one Connect FET (BTC 50010-1TAA) and one Connect FET companion chip (BTC 30010-1TAA). There are possibilities to use BTC 30010-1TAA for parallel switch or reverse blocking to the BTC 50010-1TAA device by different combination of the power jumper on PCB.	Demoboard BTC50010-1TAA
 BTF 50060-1TEA demo board	BTF 50060-1TEA High-side switch	For quick-starting into lab evaluation of Speed PROFET™ BTF 50060-1TEA. This demo board can drive two parallel 12V BDC motors, pumps, valves, or actuators etc. in a setup as a high-side switch with freewheeling diode. The board is capable of 25kHz PWM operation (and above). It provides overtemperature, overload and short circuit protection, as well as detection of open load or short-to-battery. Also, basic EMC filtering on supply line is included. Load current can be measured accurately up to 60A. The board can be used stand-alone, but also in combination with Power Easy Kit for quick start of software evaluation.	Demoboard BTF50060-1TEA
 HIC-PROFET™	BTS 500x0-1EGA High-side switch	For a quick start to lab evaluation, this demo board drives loads such as heating, glow plugs or lamps in 12V DC applications. It uses two devices from the BTS 500x0-1EGA product family, which can be used in parallel and also to drive two independent loads. The board can be used on a stand-alone basis, but also in combination with power easy kit for quick start of software evaluation.	Demoboard BTS50050-1EGA Demoboard BTS50060-1EGA Demoboard BTS50070-1EGA Demoboard BTS50080-1EGA
 PROFET™+ demo board	BTS 5020-2EKA BTS 5030-2EKA BTS 5045-2EKA BTS 5090-2EKA BTS 5120-2EKA BTS 5180-2EKA High-side switch	This demo board is designed to handle all devices within the PROFET™+ family. It provides the complete external circuitry and testpins for a fully functional setup. Additional functions like internal voltage generation for input pins and the possibility to connect more than one demo board for a test setup are included. The demo board comes with a daughterboard that holds the BTS 5020-2EKA which can be replaced by daughterboards of other PROFET™+ devices .	Demoboard PROFET™+
 PROFET™+ demo board			
 SPOC I - power easy kit	BTS 5590G BTS 5576G BTS 5566G Multi-channel switch	This board is part of the SPOC (SPI power controller for advanced light control) demo kit. The demo kit consists of the power unit and the control unit (XC2287 power easy kit - to be ordered separately).	Demoboard BTS5590G BTS5576G BTS5566G
 SPOC II - power easy kit	BTS 5662E BTS 5672E BTS 5682E BTS 5672E BTS 5662E Multi-channel switch	This board is part of the SPOC (SPI power controller for advanced light control) demo kit. The demo kit consists of the power unit and the control unit (XC2287 power easy kit - to be ordered separately).	Demoboard BTS5662E BTS5672E BTS5682E BTS5672E BTS5662E
 SPOC FL - power easy kit	BTS 6480SF BTS 6460SF BTS 5480SF BTS 5460SF Multi-channel switch	This board is part of the SPOC FL (SPI power controller for advanced front light control) demo kit. The demo kit consists of the power unit and the control unit (XC2287 power easy kit - to be ordered separately).	Demoboard BTS6480SF BTS6460SF BTS5480SF BTS5460SF









Board Name	Products	Description	Order No.
 System basis chip	TLE 8264-2E TLE 8264E TLE 8263-2E TLE 8263E TLE 8262-2E TLE 8262E TLE 8261-2E TLE 8261E	This universal demo board is intended to be used for a system evaluation board for the TLE 826x Hermes system basis chip family. The board allows the user to evaluate all the device features and functions as well as to quickly start the development of the application software. The evaluation kit consists of the power unit and the control unit (power easy kit - to be ordered separately). The graphical user interface allows easy controlling and monitoring of the SBC via SPI (e.g. automatic watchdog triggering).	Demoboard TLE8264E V2.0
 System basis chip	TLE 7263	This universal demo board is intended to be used for a system evaluation board for the TLE 7263 System Basis chip. The board system allows the user to evaluate all the device features and functions as well as to quickly start the development of the application software. The evaluation kit consists of the power unit and the control unit (power easy kit - to be ordered separately). The graphical user interface allows for easy controlling and monitoring of the SBC via SPI (e.g. automatic watchdog triggering).	Demoboard TLE7263E
 TLD 5098EL application board	TLD 5098EL	This small size DC/DC board is available in the following topologies: – Boost to battery – Boost to GND – SEPIC and can drive LED loads up to 1.5A or higher.	Application Board TLD5098EL
 TLD 5095EL demo board	TLD 5095EL	This board is equipped with TLD 5095EL boost controller, MOSFETs and LEDs or can be used via jumper-seeting with external LED loads up to 1.5A or higher and up to 55V output voltage.	Demoboard TLD5095EL
 TLD 5098EL demo board	TLD 5098EL	This board is equipped with TLD 5098EL boost controller, MOSFETs and LEDs or can be used via jumper-seeting with external LED loads up to 1.5A or higher and up to 60V output voltage.	Demoboard TLD5098EL
 TLD 5085 demo board	TLD 5085	This board with the TLD 5085 buck converter is equipped with LEDs or can be used via jumper-seeting with external LED loads up to 1.8A.	Demoboard TLD5085
 TLD 5085 application board with LED	TLD 5085	This board with the TLD 5085 buck converter is equipped with one LED or can be used with external LED loads up to 1.8A.	Application Board TLD5085 with LED
 TLD 5085 application board with connector	TLD 5085	This board with the TLD 5085 buck converter is equipped with a connector to drive external LED loads up to 1.8A.	Application Board TLD5085 with Connector
 Basic buck converter	TLE 8366	This application board enables you to test the performance of the TLE 8366 basic buck converter. It is equipped with a TLE 8366EV for variable output voltages (preadjusted to 4.8V). The board offers several possibilities to modify the schematic and also the possibility to drive LEDs.	Demoboard TLE8366




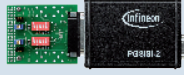






Board Name	Products	Description	Order No.
 Buck converter	TLE 6389-2GV DC/DC converter	Multi-purpose buck controller for external PMOS switch, 5V or adjustable output voltage, maximum of 2.3A output current, low quiescent current.	Demoboard TLE6389-2GV
 LED driver demo board	TLE 4309 TLE 4242G LED driver	This board is designed to demonstrate the performance of our linear LED driver TLE 4242G and TLE 4309G with Osram high brightness LEDs. It is possible to choose between the two drivers. A potentiometer allows the adjustment of the PWM duty-cycle for dimming the LEDs.	Demoboard TLE4242G LED driver/TLE4309
 Embedded power / smart relay driver IC	TLE 7810 TLE 7824 TLE 7826 Embedded power	The kit contains two boards, a TLE 7826G evaluation board together with a PCLIN programming and LIN interface card, documentation, software and tools. This enables you from simply playing with the device (without any software development) to developing your own software application (2kB limited Keil IDE).	Demoboard TLE7826
 CAN-LIN transceivers	TLE 6250G TLE 6251G TLE 6251DS TLE 8250 Transceiver	Basic control unit to generate CAN-, LIN- and FlexRay datastreams. Plug & play, ready to use system to build up complete CAN-, LIN-, and FlexRay networks. Additional software examples are provided to allow timing measurements and to verify signal integrity.	CAN-LIN Universal Demoboard
 Powertrain system IC	TLE 8712EE Multi-channel switch	A smart 12-channel low-side switch with LVDS-based micro second channel and asynchronous upstream specifically designed for powertrain applications. To be used together with the microcontroller TriCore™ TC1766 demo board (to be ordered separately).	Demoboard TLE8712EE
 Door module power IC	TLE 8201R Multi-half bridges	This evaluation kit is intended to provide first-hand experience of the door module power IC TLE 8201R which contains all the functions to drive power outputs within a door module, i.e. main lock, safe lock, mirror adjustment, mirror fold, mirror heating and lamps. It provides access to all inputs and outputs with standard 4mm jacks. PC software provided.	Demoboard TLE8201R SP000427080
 Door module power IC	TLE 8203E Multi-half bridges	This evaluation kit is intended to provide first-hand experience of the mirror IC TLE 8203E which contains all the functions to drive power outputs within a mirror control module, i.e. mirror heating and lamps. It provides access to all inputs and outputs with standard 4mm jacks. PC software is also included.	Demoboard TLE8203E SP000897484
 Triple half-bridge driver	TLE 6208-3G Multi half-bridge driver	Designed specifically for automotive (mirror adjustment drive) and industrial motion control applications. The IC contains 3 half-bridge outputs. It provides access to all inputs and outputs with standard 4mm jacks. PC software is provided.	Demoboard TLE6208-3G SP000427042
 Hex half-bridge driver	TLE 6208-6G Multi half-bridge driver	Designed specifically for automotive (climate control flap drive) and industrial motion control applications. The IC contains 6 HSS channels and 6 LSS channels and can be used as a freely configurable switch, half bridge or H-bridge driver. It provides access to all inputs and outputs with standard 4mm jacks.	Demoboard TLE6208-6G SP000427044

Board Name	Products	Description	Order No.
 2-phase stepper motor driver IC	TLE 4729G Stepper driver	The TLE 4729G is designed specifically for automotive stepper motor applications such as automatic head beam leveling, idle speed control, etc. The device offers peak current control with fixed frequency (current chopper) of up to half step modes where the target current is set up by an external sense resistor, R_{sense} *	Demoboard TLE4729G SP000427040
 Quad half-bridge driver IC	TLE 8444SL Multi half-bridge driver IC family	The TLE 8444SL is designed specifically for automotive applications such as idle speed control. The device is suitable to drive stepper motors requiring voltage control or DC motors.	Demoboard TLE8444SL SP000637312
 Demo board TLE 841xyEL	TLE 841xyEL Multi half bridge driver IC family	The TLE 841xyEL is a multi half-bridge driver and is part of a family of devices designed specifically for automotive HVAC flap motors and mirror adjustment motors. The IC can be used as a half-bridge or H-bridge driver. The TLE 841xyEL demo board is intended to provide a simple, easy to use tool for first application tests. The evaluation kit contains a TLE 841xyEL application board and a USB stick with documentation and software to interact with the demo board.	Demoboard TLE84110EL SP000777008 Demoboard TLE84106EL SP000777006
 NovalithIC™ H-bridge	BTN 793xB BTN 796xB BTN 797xB Half-bridge	Contains two of our NovalithIC™ components in a typical H-bridge configuration including peripheral components and reverse polarity protection. The board is suitable for all members of the NovalithIC™ family (BTN 79XXB).	Demoboard BTN7930B Demoboard BTN7933B Demoboard BTN7960B Demoboard BTN7963B Demoboard BTN7970B Demoboard BTN7971B Demoboard BTN7973B
 3-phase motor driver	TLE 7183F Motor driver	This evaluation kit is designed to demonstrate the performance of the TLE 7183F 3-phase motor driver. Typical applications are cooling fans, water pumps, electrohydraulics and electric power steering. The TLE 7183F is designed for a 12V power net.	Demoboard TLE7183F REV. 1.0
 H-bridge for DC-motor applications	TLE 8209-2SA H-bridge motor driver	This evaluation kit is designed to demonstrate the performance of the TLE 8209-2SA, a monolithic IC for driving DC motors in safety-critical automotive applications, in particular electronic throttle and exhaust gas recirculation valve control. The TLE 8209-2SA features four selectable current ranges, two selectable slew rate settings and extensive diagnosis via SPI. The device monitors the digital supply voltage V_{DD} and shuts down the output stages in case of V_{DD} over- or undervoltage, thus providing a safe switch-off path in case of malfunction of the digital control circuitry.	Demoboard TLE8209-2SA
 Constant current control IC	TLE 7241E Constant current control IC	This evaluation kit is designed to demonstrate the performance of the TLE 7241E, a 2-channel, low-side constant current driver with programmable current, dither amplitude, dither frequency and slew rate. Best suited for transmission applications using proportional valves.	Demoboard TLE7241E Evaluation kit
 Powertrain system IC	TLE 6288R Multi-channel switch	The TLE 6288R is a 6-channel smart multi-channel switch with embedded protection, diagnosis and configurable functions. Channels 1-3 are high-side switches with integrated charge pump and can be programmed to do autonomous peak and hold current regulation with PWM. Channels 4-6 can be configured as high-side or low-side switches. This IC can be used to drive loads in high-side or low-side applications with switching frequencies up to 10kHz.	Demoboard TLE6288R



Board Name	Products	Description	Order No.
	TLE 6244X	This evaluation board is designed to demonstrate the performance of the TLE 6244X. The application board is equipped with a 5V linear voltage regulator U1 (TLE 4264G) that can be connected directly to 12V (battery).	Demoboard TLE6244X
Powertrain system IC	Multi-channel switch		
	TLE 8110E	A smart 10-channel low-side switch with serial peripheral interface (SPI). To be used together with the microcontroller XC2287 power easy kit (to be ordered separately).	Demoboard TLE8110E
Powertrain system IC	Multi-channel switch		
	TLE 8112EE	A smart 12-channel low-side switch with serial peripheral interface (SPI). To be used together with the microcontroller XC2287 power easy kit (to be ordered separately).	Demoboard TLE8112EE
Powertrain system IC	Multi-channel switch		
	TLE 8510EE	A smart 10-channel low-side switch with TTL-based multi-channel and asynchronous upstream specifically designed for powertrain applications. To be used together with the microcontroller TriCore™ TC1766 demo board (to be ordered separately).	Demoboard TLE8510EE
Powertrain system IC	Multi-channel switch		
	TLE 8512EE	A smart 12-channel low-side switch with TTL-based multi-channel and asynchronous upstream specifically designed for powertrain applications. To be used together with the microcontroller TriCore™ TC1766 demo board (to be ordered separately).	Demoboard TLE8512EE
Powertrain system IC	Multi-channel switch		
	TLE 8710EE	A smart 10-channel low-side switch with LVDS-based micro second channel and asynchronous upstream specifically designed for powertrain applications. To be used together with the microcontroller TriCore™ TC1766 demo board (to be ordered separately).	Demoboard TLE8710EE
Powertrain system IC	Multi-channel switch		
	TLE 8110SA	A smart 10-channel low-side switch with serial peripheral interface (SPI). To be used together with the microcontroller XC2287 power easy kit (to be ordered separately).	Demoboard TLE8110SA
Powertrain system IC	Multi-channel switch		
	TLE 8512SA	A smart 12-channel low-side switch with TTL-based multi-channel and asynchronous upstream specifically designed for powertrain applications. To be used together with the microcontroller TriCore™ TC1766 demo board (to be ordered separately).	Demoboard TLE8512SA
Powertrain system IC	Multi-channel switch		



Board Name	Products	Description	Order No.
 Powertrain system IC	TLE 8712SA Multi-channel switch	A smart 12-channels low-side switch with LVDS based micro second channel and asynchronous upstream specifically designed for powertrain applications. To be used together with the microcontroller TriCore™ TC1766 demo board (to be ordered separately).	Demoboard TLE8712SA
 PGSISI-2 interface box	TLE xxxx Magnetic sensors	Programmer and interface box for all linear Hall and angle sensors.	SP000875082
 TLE 4997x Programmer kit	TLE 4997x Linear Hall sensor	The kit consists of a PGSISI box (programming interface) and an evaluation board which allows evaluation of the linear Hall TLE 4997 family. The evaluation board (PCB) is available separately (without PGSISI box).	TLE4997x Programmer kit SP000439708 TLE4997 Evalboard SP000875086
 TLE 4998x Programmer kit	TLE 4998x Linear Hall sensor	The kit consists of a PGSISI box (programming interface) and an evaluation board which allows evaluation of the linear Hall TLE 4998 family. The evaluation board (PCB) is available separately (without PGSISI box).	TLE4998x Programmer kit SP000425300 TLE4998 Evalboard SP000875090
 TLE 5009 Evalkit	TLE 5009 Angle sensor	The kit consists of a PGSISI box and an evaluation board and allows evaluation of an integrated Giant Magneto Resistance (iGMR) angle sensor. The evaluation board (PCB) with angle sensor and rotating magnet is available separately (without PGSISI box).	TLE 5009 Evalkit SP000871462 TLE 5009 Evalboard (PCB) SP000871466
 TLE 5011 Evalkit	TLE 5011 Angle sensor	The kit consists of a PGSISI box and an evaluation board and allows evaluation of an integrated Giant Magneto Resistance (iGMR) angle sensor. The evaluation board (PCB) with angle sensor and rotating magnet is available separately (without PGSISI box).	TLE5011 Evalkit SP000634330 TLE5011 Evalboard (PCB) SP000634322
 TLE 5012 Evalkit	TLE 5012 Angle sensor	The kit consists of a PGSISI box and an evaluation board and allows evaluation of an integrated Giant Magneto Resistance (iGMR) angle sensor. The evaluation board (PCB) with angle sensor and rotating magnet is available separately (without PGSISI box).	TLE5012 Evalkit SP000634334 TLE5012 Evalboard (PCB) SP000634326
 Powertrain programmer kit	TLE 492x TLE 498x Powertrain Hall sensor	Evaluation and programming tool for crankshaft (TLE 492x) and camshaft (TLE 498x) Hall sensors.	TLE498x Programmer Kit, SP000451572





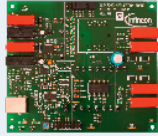
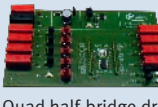


















Board Name	Products	Description	Order No.
 SP37 development kit	SP37	The SP37 development kit enables evaluation of the entire feature set of the tire pressure sensor SP37, such as RF transmitter functionality and LF receiver functionality; additionally it allows software development and in-circuit debugging. The development kit includes the required evaluation hardware, SP37 devices, an integrated software development environment, documentation and a selection of sample software.	SP37-315-8 DEVELOP KIT SP000518282 (with 315MHz transmitter) SP37-434-8 DEVELOP KIT SP000518286 (with 434MHz transmitter)
 KP 106 kit	Side Airbag Sensor (SAB)	The KP 106 evaluation kit for side airbag pressure sensors provides the possibility to evaluate the complete functionality of the KP 106 side airbag pressure sensor family. This includes voltage supply, an easy sensor insertion socket and signal conditioning. The calculated pressure values can be transmitted to the PC using the PGISIS adapter.	KP106 KIT SP000367787
 KP 200/KP 108 kit	Side Airbag Sensor (SAB)	The KP 200 evaluation kit for side airbag pressure sensors provides the possibility to evaluate the complete functionality of the KP 200 side airbag pressure sensor family. This includes voltage supply, an easy sensor insertion socket and signal conditioning.	SP000861680
 USB pressure-sensor stick	Pressure sensor	KP 12x sensor stick with internal KP 125 sensor. The KP MAP/ BAP demonstrator is an easy and ready to use tool to discover the capabilities of the Infineon KP pressure sensor family. The required software and promotional material is included in the integrated memory stick and can be downloaded right away. All features are implemented in a USB stick with a graphical user interface to manipulate and evaluate the sensor behavior.	KP MAP/BAP Demonstrator SP000463010 KP Demo pressure coupling SP000534842 KP Extension board SP000534838
 Hybrid-Kit for HybridPACK™1	Power module	Complete inverter/DC-DC solution for applications up to 20kW (Mild Hybrid) with IGBT module HybridPACK™1 (FS400R06KE3) 600V/400A, employing coreless transformer isolated driver (1ED020I12-FA) and overvoltage protection (active clamping). Possibility of different motor interfaces: encoder, GMR, resolver. Microcontroller board included based on 32-bit TC1767 (TriCore™ family)	SP000554548
 Hybrid-Kit for HybridPACK™2	Power module	Complete inverter/DC-DC solution for applications up to 80kW (Full Hybrid Electrical Vehicles) with IGBT module HybridPACK™2 (FS800R07A2E3) 650V/800A, employing coreless transformer isolated driver (1ED020I12-FA) and overvoltage protection (active clamping). Possibility of different motor interfaces: encoder, GMR, resolver. Microcontroller board included based on 32-bit TC1767 (TriCore™ family).	SP000554548



Board Name	Products	Description	Order No.
For Microcontroller, RF & Protection Devices and Wireless Control boards please see the appropriate chapter.			
	TLE 7810 TLE 7824 TLE 7826	The kit contains two boards, a TLE 7826G evaluation board together with a PCLIN programming and LIN interface card, documentation, software and tools. This enables you from simply playing with the device (without any software development) to developing your own software application (2kB limited Keil IDE).	Demoboard TLE7826
Embedded power/ smart relay driver IC	Embedded power		
	BTF 50060-1TEA	For quick-starting into lab evaluation of Speed PROFET™ BTF 50060-1TEA. This demo board can drive two parallel 12V BDC motors, pumps, valves, or acutators etc. in a setup as a high-side switch with freewheeling diode. The board is capable of 25kHz PWM operation (and above). It provides overtemperature, overload and short circuit protection, as well as detection of open load or short-to-battery. Also, basic EMC filtering on supply line is included. Load current can be measured accurately up to 60A. The board can be used stand-alone, but also in combination with Power Easy Kit for quick start of software evaluation.	Demoboard BTF50060-1TEA
BTF 50060-1TEA demo board	High-side switch		





Board Name	Products	Description	Order No.
 Door module power IC	TLE 8201R Multi-half bridges	This evaluation kit is intended to provide first-hand experience of the door module power IC TLE 8201R which contains all the functions to drive power outputs within a door module, i.e. main lock, safe lock, mirror adjustment, mirror fold, mirror heating and lamps. It provides access to all inputs and outputs with standard 4mm jacks. PC software provided.	Demoboard TLE8201R SP000427080
 Door module power IC	TLE 8203E Multi-half bridges	This evaluation kit is intended to provide first-hand experience of the mirror IC TLE 8203E which contains all the functions to drive power outputs within a mirror control module, i.e. mirror heating and lamps. It provides access to all inputs and outputs with standard 4mm jacks. PC software is also included.	Demoboard TLE8203E SP000897484
 Triple half-bridge driver	TLE 6208-3G Multi half-bridge driver	Designed specifically for automotive (mirror adjustment drive) and industrial motion control applications. The IC contains 3 half-bridge outputs. It provides access to all inputs and outputs with standard 4mm jacks. PC software is provided.	Demoboard TLE6208-3G SP000427042
 Hex half-bridge driver	TLE 6208-6G Multi half-bridge driver	Designed specifically for automotive (climate control flap drive) and industrial motion control applications. The IC contains 6 HSS channels and 6 LSS channels and can be used as a freely configurable switch, half bridge or H-bridge driver. It provides access to all inputs and outputs with standard 4mm jacks.	Demoboard TLE6208-6G SP000427044
 2-phase stepper motor driver IC	TLE 4729G Stepper driver	The TLE 4729G is designed specifically for automotive stepper motor applications such as automatic head beam leveling, idle speed control, etc. The device offers peak current control with fixed frequency (current chopper) of up to half step modes where the target current is set up by an external sense resistor, R_{sense} .	Demoboard TLE4729G SP000427040
 Quad half-bridge driver IC	TLE 8444SL Multi half-bridge driver IC family	The TLE 8444SL is designed specifically for automotive applications such as idle speed control. The device is suitable to drive stepper motors requiring voltage control or DC motors.	Demoboard TLE8444SL SP000637312
 NovalithIC™ H-bridge	BTN 793xB BTN 796xB BTN 797xB Half-bridge	Contains two of our NovalithIC™ components in a typical H-bridge configuration including peripheral components and reverse polarity protection. The board is suitable for all members of the NovalithIC™ family (BTN 79XXB).	Demoboard BTN7930B Demoboard BTN7933B Demoboard BTN7960B Demoboard BTN7963B Demoboard BTN7970B Demoboard BTN7971B Demoboard BTN7973B
 3-phase motor driver	TLE 7183F 3-phase gate driver	This evaluation kit is designed to demonstrate the performance of the TLE 7183F 3-phase motor driver. Typical applications are cooling fans, water pumps, electrohydraulics and electric power steering. The TLE 7183F is designed for a 12V power net.	Demoboard TLE7183F REV. 1.0
 H-bridge for DC motor applications	TLE 8209-2SA H-bridge motor driver	This evaluation kit is designed to demonstrate the performance of the TLE 8209-2SA, a monolithic IC for driving DC motors in safety-critical automotive applications, in particular electronic throttle and exhaust gas recirculation valve control. The TLE 8209-2SA features four selectable current ranges, two selectable slew rate settings and extensive diagnosis via SPI. The device monitors the digital supply voltage V_{DD} and shuts down the output stages in case of V_{DD} over- or undervoltage, thus providing a safe switch-off path in case of malfunction of the digital control circuitry.	Demoboard TLE8209-2SA
 2ED300E17-SF0 ¹⁾	2ED300C17-S EiceDRIVER™ Gate driver	This evaluation board for the 2ED300C17-S IGBT driver board may be used for all medium and high power IGBT modules up to 1700V. Electrical as well as optical (optional) interfacing is provided. For some modules, complementary module adapters are available to connect to the module. Complementary module adapters to be ordered separately.	2ED300E17-SF0_EVAL SP000355559







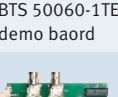

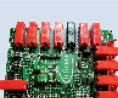


Board Name	Products	Description	Order No.
 7ED020E12-FI-W2 ¹⁾	FP35R12W2T4, 2ED020I12-FI EiceDRIVER™	Power stage for UPS and solar applications implementing a 3-level topology within a single Easy2B module using 650V IGBT3 devices. Coreless transformer halfbridge IGBT drivers are employed for gate control and protection.	7ED020E12-FI-W2_EVAL SP000367466
 F3L030E07-F-W2 ¹⁾	Easy2B-3-level 1ED020I12-F EiceDRIVER™	Power stage for UPS and solar applications using a 3-level module in an Easy2B inverter stage using 650V IGBT3 devices. Coreless transformer IGBT drivers are employed for gate control and protection. IGBT module to be ordered separately.	F3L030E07-F-W2_EVAL SP000868768
 7ED020E12_FI_U1 ¹⁾	SmartPIM 1 2ED020I12-FI EiceDRIVER™	Power stage for industrial IGBT drives using a PIM module in a Smart1 package containing three-phase input rectifier, brake chopper and inverter bridge using IGBT4 devices. Coreless transformer half-bridge IGBT drivers are employed for gate control and protection. IGBT module to be ordered separately.	7ED020E12_FI_U1_EVAL SP000843040
 MA3AE12 ¹⁾	MIPAQ™ base	Adapter board containing an isolating amplifier for current measurement with MIPAQ™ base. IGBT module to be ordered separately.	MA3AE12_EVAL SP000855486
 MA040E12 ¹⁾	MIPAQ™ serve	Adapter board containing an isolated gate driver power supply and logic interface for MIPAQ™ serve. Functional IGBT module to be ordered separately.	MA040E12_EVAL SP000801082
 2ED100E12-F2 ¹⁾	EconoDUAL™3, 1ED020I12-F EiceDRIVER™	Driver board for EconoDUAL™3 IGBT modules, employing coreless transformer single-channel driver 1ED020I12-F. IGBT module to be ordered separately.	2ED100E12-F2_EVAL SP000405780
 6ED100E12-F2 ¹⁾	EconoPACK™+, 1ED020I12-F EiceDRIVER™	IGBT driver board for EconoPACK™+ IGBT modules, employing coreless transformer single-channel driver 1ED020I12-F. IGBT module to be ordered separately.	6ED100E12-F2_EVAL SP0005055796
 MA300E12 ¹⁾	PrimePACK™2 PrimePACK™3	Adapter board containing additional booster stage suitable for driving 1200V PrimePACK™ in single or parallel configuration. Operates together with 2ED300C17-SFO. Module to be ordered separately.	MA300E12_EVAL SP000372039
 MA300E17 ¹⁾	PrimePACK™2 PrimePACK™3	Adapter board containing additional booster stage suitable for driving 1700V PrimePACK™ in single or parallel configuration. Operates together with 2ED300C17-SFO. Module to be ordered separately.	MA300E17_EVAL SP000355552
 2ED250E12-F ¹⁾	PrimePACK™2 PrimePACK™3 1ED020I12-F EiceDriver™	Driver board for 1200V PrimePACK™2 and PrimePACK™3 IGBT modules, employing coreless transformer single-channel driver 1ED020I12-F. IGBT module to be ordered separately.	2ED250E12-F_EVAL SP000614428





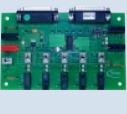

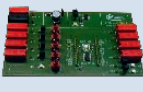


1) Please remark that Industrial Power products are only available through our special distributors: Arihant (India), Comelec (Italy), Dabo (Korea), Dachs (Denmark), EBV (EMEA), Elecbiz (Taiwan), Eurotone (China), Hans Buch (Denmark), Jingchuan (China), Nisko (Israel), Symmetron (Russia)






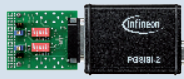





Board Name	Products	Description	Order No.
For Microcontroller, RF & Protection Devices and Wireless Control boards please see the appropriate chapter.			
 HITFET™ protected low-side power switch	BTS 3256D Low-side switch	Protected low-side power switch (10mΩ at 25°C). This board enables easy startup and connectivity for the new power HITFET™ BTS 3256D. Enables easy read out of digital status via LED, and easy slew rate change via variable resistor on board.	Demoboard BTS3256D
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7231G TLE 7233G Multi-channel switch	SPI Driver for Enhanced Relay Control (SPIDER). This board is designed to interface with the universal body control module system evaluation tool.	Demoboard TLE7231G/7233G
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7234EM TLE 7234SE TLE 7237SL Multi-channel switch	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7234SE and TLE 7237SL.	Demoboard TLE7234/7237
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7235EM TLE 7235SE TLE 7238SL Multi-channel switch	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7235SE and TLE 7238SL.	Demoboard TLE7235/7238






Board Name	Products	Description	Order No.
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7236EM TLE 7236SE TLE 7239SL	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7236SE and TLE 7239SL.	Demoboard TLE7236/7239
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7240SL TLE 7243SL TLE 7244SL	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7240SL, TLE 7243SL and TLE 7244SL.	Demoboard TLE724XSL
 BTS 50015-1TAA demo board	BTS50015-1TAA	To test one or two devices (in parallel); Board can be connected to PowerEasyKit; diagnosis and controlling either directly on the board or by graphical user interface via PowerEasyKit	Demoboard BTS50015-1TAA
 BTS 50060-1TEA demo board	BTS 50060-1TEA	For quick-starting into lab evaluation of PROFET™ BTS 50060-1TEA high-side switch. This demo board can drive two parallel loads, such as PTC heaters, glow plugs, seat heating in 12V DC applications. The board provides overtemperature, overload and short circuit protection, as well as detection of open load or short-to-battery. Load current can be measured accurately up to 60A. The board can be used stand-alone, but also in combination with Power Easy Kit for quick start of software evaluation.	Demoboard BTS50060-1TEA
 BTF 50060-1TEA demo board	BTF 50060-1TEA	For quick-starting into lab evaluation of Speed PROFET™ BTF 50060-1TEA. This demo board can drive two parallel 12V BDC motors, pumps, valves, or actuators etc. in a setup as a high-side switch with freewheeling diode. The board is capable of 25kHz PWM operation (and above). It provides overtemperature, overload and short circuit protection, as well as detection of open load or short-to-battery. Also, basic EMC filtering on supply line is included. Load current can be measured accurately up to 60A. The board can be used stand-alone, but also in combination with Power Easy Kit for quick start of software evaluation.	Demoboard BTF50060-1TEA
 HIC-PROFET™	BTS 500x0-1EGA	For a quick start to lab evaluation, this demo board drives loads such as heating, glow plugs or lamps in 12V DC applications. It uses two devices from the BTS 500x0-1EGA product family, which can be used in parallel but also to drive two independent loads. The board can be used on a stand-alone basis, but also in combination with the power easy kit for a quick start to software evaluation.	Demoboard BTS50050-1EGA Demoboard BTS50060-1EGA Demoboard BTS50070-1EGA Demoboard BTS50080-1EGA
 PROFET™+ demo board  PROFET™+ demo board	BTS 5020-2EKA BTS 5030-2EKA BTS 5045-2EKA BTS 5090-2EKA BTS 5120-2EKA BTS 5180-2EKA	This demo board is designed to handle all devices within the PROFET™+ family. It provides the complete external circuitry and testpins for a fully functional setup. Additional functions like internal voltage generation for input pins and the possibility to connect more than one demo board for a test set-up are included. The demo board comes with a daughterboard that holds the BTS 5020-2EKA which can be replaced by daughterboards of other PROFET™+ devices .	Demoboard PROFET™+
 Basic buck converter	TLE 8366	This application board enables you to test the performance of the TLE 8366 basic buck converter. It is equipped with a TLE 8366EV for variable output voltages (preadjusted to 4.8V). The board offers several possibilities to modify the schematic and also the possibility to drive LEDs.	Demoboard TLE8366




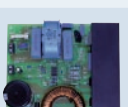
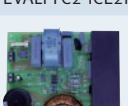





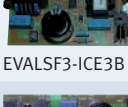

Board Name	Products	Description	Order No.
 Buck converter	TLE 6389-2GV DC/DC converter	Multi-purpose buck controller for external PMOS switch, 5V or adjustable output voltage, maximum of 2.3A output current, low quiescent current.	Demoboard TLE6389-2GV
 Embedded power/ smart relay driver IC	TLE 7810 TLE 7824 TLE 7826 Embedded power	The kit contains two boards, a TLE 7826G evaluation board together with a PCLIN programming and LIN interface card, documentation, software and tools. This enables you from simply playing with the device (without any software development) to developing your own software application (2kB limited Keil IDE).	Demoboard TLE7826
 CAN-LIN transceivers	TLE 6250G TLE 6251G TLE 6251DS TLE 8250 Transceiver	Basic control unit to generate CAN-, LIN- and FlexRay datastreams. Plug & play, ready to use system to build up complete CAN-, LIN-, and FlexRay networks. Additional software examples are provided to allow timing measurements and to verify signal integrity.	CAN-LIN Universal Demoboard
 Triple half-bridge driver	TLE 6208-3G Multi half-bridge driver	Designed specifically for automotive (mirror adjustment drive) and industrial motion control applications. The IC contains 3 half-bridge outputs. It provides access to all inputs and outputs with standard 4mm jacks. PC software is provided.	Demoboard TLE6208-3G SP000427042
 Hex half-bridge driver	TLE 6208-6G Multi half-bridge driver	Designed specifically for automotive (climate control flap drive) and industrial motion control applications. The IC contains 6 HSS channels and 6 LSS channels and can be used as a freely configurable switch, half bridge or H-bridge driver. It provides access to all inputs and outputs with standard 4mm jacks.	Demoboard TLE6208-6G SP000427044
 2-phase stepper motor driver IC	TLE 4729G Stepper driver	The TLE 4729G is designed specifically for automotive stepper motor applications such as automatic head beam leveling, idle speed control, etc. The device offers peak current control with fixed frequency (current chopper) of up to half step modes where the target current is set up by an external sense resistor, R_{sense} .	Demoboard TLE4729G SP000427040
 Quad half-bridge driver IC	TLE 8444SL Multi half-bridge driver IC family	The TLE 8444SL is designed specifically for automotive applications such as idle speed control. The device is suitable to drive stepper motors requiring voltage control or DC motors.	Demoboard TLE8444SL SP000637312
 NovalithIC™ H-bridge	BTN 793xB BTN 796xB BTN 797xB Half-bridge	Contains two of our NovalithIC™ components in a typical H-bridge configuration including peripheral components and reverse polarity protection. The board is suitable for all members of the NovalithIC™ family (BTN 79XXB).	Demoboard BTN7930B Demoboard BTN7933B Demoboard BTN7960B Demoboard BTN7963B Demoboard BTN7970B Demoboard BTN7971B Demoboard BTN7973B
 3-phase motor driver	TLE 7183F 3-phase gate driver	This evaluation kit is designed to demonstrate the performance of the TLE 7183F 3-phase motor driver. Typical applications are cooling fans, water pumps, electrohydraulics and electric power steering. The TLE 7183F is designed for a 12V power net.	Demoboard TLE7183F REV. 1.0



Board Name	Products	Description	Order No.
 H-bridge for DC-motor applications	TLE 8209-2SA H-bridge motor driver	This evaluation kit is designed to demonstrate the performance of the TLE 8209-2SA, a monolithic IC for driving DC motors in safety-critical automotive applications, in particular electronic throttle and exhaust gas recirculation valve control. The TLE 8209-2SA features four selectable current ranges, two selectable slew rate settings and extensive diagnosis via SPI. The device monitors the digital supply voltage V_{DD} and shuts down the output stages in case of V_{DD} over- or undervoltage, thus providing a safe switch-off path in case of malfunction of the digital control circuitry.	Demoboard TLE8209-2SA
 Constant current control IC	TLE 7241E Constant current control IC	This evaluation kit is designed to demonstrate the performance of the TLE 7241E, a 2-channel, low-side constant current driver with programmable current, dither amplitude, dither frequency and slew rate. Best suited for transmission applications using proportional valves.	Demoboard TLE7241E Evaluation kit
 TLE 4997x Programmer kit	TLE 4997x Linear Hall sensor	The kit consists of a PGSISI box (programming interface) and an evaluation board which allows evaluation of the linear Hall TLE 4997 family. The evaluation board (PCB) is available separately (without PGSISI box).	TLE4997x Programmer kit SP000439708 TLE4997 Evalboard SP000875086
 TLE 4998x Programmer kit	TLE 4998x Linear Hall sensor	The kit consists of a PGSISI box (programming interface) and an evaluation board which allows evaluation of the linear Hall TLE 4998 family. The evaluation board (PCB) is available separately (without PGSISI box).	TLE4998x Programmer kit SP000425300 TLE4998 Evalboard SP000875090
 TLE 5011 Evalkit	TLE 5011 Angle sensor	The kit consists of a PGSISI box and an evaluation board and allows evaluation of an integrated Giant Magneto Resistance (iGMR) angle sensor. The evaluation board (PCB) with angle sensor and rotating magnet is available separately (without PGSISI box).	TLE5011 Evalkit SP000634330 TLE5011 Evalboard (PCB) SP000634322
 TLE 5012 Evalkit	TLE 5012 Angle sensor	The kit consists of a PGSISI box and an evaluation board and allows evaluation of an integrated Giant Magneto Resistance (iGMR) angle sensor. The evaluation board (PCB) with angle sensor and rotating magnet is available separately (without PGSISI box).	TLE5012 Evalkit SP000634334 TLE5012 Evalboard (PCB) SP000634326
 USB pressure-sensor stick	KP 12x Pressure sensor	KP 12x sensor stick with internal KP 125 sensor. The KP MAP/ BAP demonstrator is an easy and ready to use tool to discover the capabilities of the Infineon KP pressure sensor family. The required software and promotional material is included in the integrated memory stick and can be downloaded right away. All features are implemented in a USB stick with a graphical user interface to manipulate and evaluate the sensor behavior.	KP MAP/BAP Demonstrator SP000463010 KP Demo pressure coupling SP000534842 KP Extension board SP000534838
 EVAL 2X8-ISO1H801G	ISO 1H801G ISOFACE™ Isolated high-side driver	Coreless transformer isolated high-side 8-bit parallel data interface for 5V input providing fully protected power switches and handling currents up to 625mA.	EVAL 2X8-ISO1H801G
 EVAL 2X8-ISO1H802G	ISO 1H802G ISOFACE™ Isolated high-side driver	Coreless transformer isolated high-side 8-bit serial data interface for 5V input providing fully protected power switches and handling currents up to 625mA.	EVAL 2X8-ISO1H802G



Board Name	Products	Description	Order No.
For Microcontroller evaluation boards, please see "Microcontroller" category.			
 System basis chip	TLE 7263 System basis chip	This universal demo board is intended to be used for a system evaluation board for the TLE 7263 system basis chip. The board allows the user to evaluate all the device features and functions as well as to quickly start the development of the application software. The evaluation kit consists of the power unit and the control unit (power easy kit - to be ordered separately). The graphical user interface allows easy controlling and monitoring of the SBC via SPI (e.g. automatic watchdog triggering).	Demoboard TLE7263E
 System basis chip	TLE 8264-2E TLE 8264E TLE 8263-2E TLE 8263E TLE 8262-2E TLE 8262E TLE 8261-2E TLE 8261E System basis chip	This universal demo board is intended to be used for a system evaluation board for the TLE 826x Hermes system basis chip family. The board allows the user to evaluate all the device features and functions as well as to quickly start the development of the application software. The evaluation kit consists of the power unit and the control unit (power easy kit - to be ordered separately). The graphical user interface allows easy controlling and monitoring of the SBC via SPI (e.g. automatic watchdog triggering).	Demoboard TLE8264EV2.0
 Basic buck converter	TLE 8366 DC/DC converter	This application board enables you to test the performance of the TLE 8366 basic buck converter. It is equipped with a TLE 8366EV for variable output voltages (preadjusted to 4.8V). The board offers several possibilities to modify the schematic and also the possibility to drive LEDs.	Demoboard TLE8366





Board Name	Products	Description	Order No.
 Buck converter	TLE 6389-2GV DC/DC converter	Multi-purpose buck controller for external PMOS switch, 5V or adjustable output voltage, maximum of 2.3A output current, low quiescent current.	Demoboard TLE6389-2GV
 EVALPFC2-ICE2PCS01	ICE 2PCS01 Power control IC	This application board enables you to test the performance of the TLE 8366 basic buck converter. It is equipped with a TLE 8366EV for variable output voltages (preadjusted to 4.8V). The board offers several possibilities to modify the schematic and also the possibility to drive LEDs.	EVALPFC2-ICE2PCS01
 EVALPFC2-ICE2PCS02	ICE 2PCS02 Power control IC	Multi-purpose buck controller for external PMOS switch, 5V or adjustable output voltage, maximum of 2.3A output current, low quiescent current.	EVALPFC2-ICE2PCS02
 EVALPFC2-ICE2PCS03	ICE 2PCS03 Power control IC	CCM PFC controller for 300W PFC evaluation board with 85~265V AC universal input and 393V DC fixed output.	EVALPFC2-ICE2PCS03
 EVALPFC2-ICE2PCS04	ICE 2PCS04 Power control IC	CCM PFC controller for 300W PFC evaluation board with 85~265V AC universal input and 393V DC fixed output.	EVALPFC2-ICE2PCS04
 EVALQRS-ICE2QS01-160W	ICE 2QS01 Power control IC	QR controller for 160W TV applications.	EVALQRS-ICE2QS01-160W
 EVALS-25W-ICE2QS01	ICE 2QS01 Power control IC	QR controller for 25W DVD, VCD and VCR.	EVALS-25W- ICE2QS01
 EVALQRS-ICE2QS02G80W	ICE 2QS02G Power control IC	QR controller for 80W LCD TV, home audio or printer applications.	EVALQRS-ICE2QS02G-80W
 EVALSF3-ICE3B0565	ICE 3B0565 Power control IC	12W SMPS demo board with CoolSET™ F3 w/o latched - off mode.	EVALSF3-ICE3B0565
 EVALSF3-ICE3B1565	ICE 3B1565 Power control IC	F3 CoolSET™ for 20W SMPS evaluation board.	EVALSF3-ICE3B1565
 EVALSF3-ICE3B 2565	ICE 3B2565 Power control IC	F3 CoolSET™ for 30.4W SMPS evaluation board.	EVALSF3-ICE3B2565
 EVALSF3-ICE3B2065P	ICE 3B2065P Power control IC	F3 CoolSET™ for 40W 18V SMPS evaluation board.	EVALSF3-ICE3B2065P






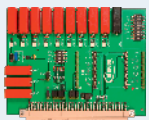
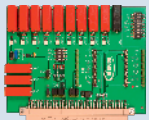
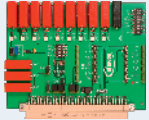



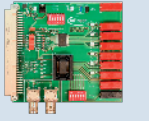
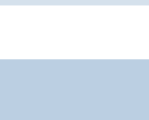
Board Name	Products	Description	Order No.
 EVALSF3-ICE3A5565P	ICE 3A5565P Power control IC	F3 CoolSET™ for 100W 18V SMPS evaluation board.	EVALSF3-ICE3A5565P
 VALSF3-ICE3B0565J	ICE 3B0565J Power control IC	F3 CoolSET™ for 12W 5.0V SMPS evaluation board.	EVALSF3-ICE3B0565J
 EVALM-ICE3A0365	ICE 3A0365 Power control IC	F3 CoolSET™ for 6W 12.5V SMPS evaluation board.	EVALM-ICE3A0365
 EVALSF3-ICE3A1065LJ	ICE 3A1065LJ Power control IC	F3 CoolSET™ for 15W 5.0V SMPS evaluation board.	EVALSF3-ICE3A1065LJ
 EVALSF3R-ICE3BR4765J	ICE 3BR4765J Power control IC	F3 CoolSET™ for 12W 5.0V SMPS evaluation board.	EVALSF3R-ICE3BR4765J
 EVALSF3R-ICE3BR0665J	ICE 3BR0665J Power control IC	F3 CoolSET™ for 30W 16V SMPS evaluation board.	EVALSF3R-ICE3BR0665J
 EVALSF3R-IC-3BR0665JF	ICE 3BR0665JF Power control IC	F3 CoolSET™ for 100W 18V SMPS evaluation board.	EVALSF3R-ICE3BR0665JF
 EVALSF3-ICE3A1065ELJ	ICE 3A1065ELJ Power control IC	F3 CoolSET™ for 15W 5.0V SMPS evaluation board.	EVALSF3-ICE3A1065ELJ
 EVALSF3R-IC-3BR2565JF	ICE 3BR2565JF Power control IC	F3 CoolSET™ for 40W 18V SMPS evaluation board.	EVALSF3R-ICE3BR2565JF
 EVALSF3-ICE3DS01G	ICE 3DS01G Power control IC	ICE 3DS01G: PWM controller for 28W LCD monitor.	EVALSF3-ICE3DS01G
 EVALSF3-ICE3DS01L(G)	ICE 3DS01L(G) Power control IC	ICE 3DS01L(G): F3 controller for 60W LCD monitor, adapter, DVD and STB.	EVALSF3-ICE3DS01L(G)
 EVALSF3-ICE3AS02	ICE 3AS02 Power control IC	ICE 3AS02: F3 controller for 60W LCD monitor, adapter, DVD, STB and auxiliary power supplies.	EVALSF3-ICE3AS02
 EVALSF3-ICE3BS03LJG	ICE 3BS03LJG Power control IC	ICE 3BS03LJG: F3 controller for 60W LCD monitor, adapter, DVD, STB and auxiliary power supplies.	EVALSF3-ICE3BS03LJG



Board Name	Products	Description	Order No.
For Microcontroller evaluation boards, please see "Microcontroller" category.			
 Basic buck converter	TLE 8366 DC/DC converter	This application board enables you to test the performance of the TLE 8366 basic buck converter. It is equipped with a TLE 8366EV for variable output voltages (preadjusted to 4.8V). The board offers several possibilities to modify the schematic and also the possibility to drive LEDs.	Demoboard TLE8366
 Buck converter	TLE 6389-2GV DC/DC converter	Multi-purpose buck controller for external PMOS switch, 5V or adjustable output voltage, maximum of 2.3A output current, low quiescent current.	Demoboard TLE6389-2GV
 LED driver demo board	TLE 4309 TLE 4242G LED driver	This board is designed to demonstrate the performance of our linear LED driver TLE 4242G and TLE 4309G with Osram high brightness LEDs. It is possible to choose between the two drivers. A potentiometer allows the adjustment of the PWM duty-cycle for dimming the LEDs.	Demoboard TLE4242G LED driver/TLE4309
 BCR 450 board	BCR 450 LED driver	Drive high-power LEDs (1W, 3W) with the BCR 450 <ul style="list-style-type: none"> – Max. supply voltage: 27V – BCR 450 + 3 different transistors for currents up to 2A – BAS 3007A-RPP Schottky Diode for Reverse Polarity Protection – Can be connected to a string of LEDs – PWM signal can be applied 	SP000417098

Board Name	Products	Description	Order No.
 BCR 402W 12V LED board	BCR 402W LED driver	The BCR 402W is an ideal drop-in replacement for resistor-based channel letter solutions: – 12V supply voltage, 20mA preset LED current – Footprint for external resistor for adjusting LED current – Footprint for Schottky diodes (can be replaced by jumpers) – 3 x 0.2W LEDs in series, type: OSRAM TopLED LW T6SG	SP000748242
 BCR 402W 24V LED board	BCR 402W LED driver	The BCR 402W is an ideal drop-in replacement for resistor-based channel letter solutions: – 24V supply voltage, 20mA preset LED current – Footprint for external resistor for adjusting LED current – Footprint for Schottky diodes (can be replaced by jumpers) – 6 x 0.2W LEDs in series, type: OSRAM TopLED LWT6SG	SP000748244
 BCR 320U HW LED board	BCR 320U LED driver	The BCR 320U is the only dedicated 0.5W LED driver on the market. BCR 320U demo board driver features: – 24V supply voltage – Constant LED current of 150mA – BAS 3007A-RPP Schottky Diode for reverse polarity protection – 6 x 0.5W LEDs, type: OSRAM Advanced Power Topled +	SP000858442
 ILD 4035 MR16 demo board	ILD 4035 LED driver	Drive 3 x 1W LED Halogen replacement (MR16) lamps with this ready-to-use reference design: – Equipped with ILD 4035 for 350mA LED current – 12V DC or AC supply voltage – 4 BAS 3010A Schottky Diodes for reverse polarity protection – Including typical MR16 socket pins for instant use in existing designs.	SP000891904
 ILD 4035 24V board	ILD 4035 LED driver	Drive 1W LEDs with the buck LED driver ILD 4035: – 24V and 12V supply voltage version available – 350mA preset LED current – Analog voltage and PWM pin for dimming – Can be connectec to a string of 1W LEDs	SP000858450 (24V version) SP000858448 (12V version)
 ILD 4120 24V board	ILD 4120 LED driver	Drive 3W LEDs with the buck LED driver ILD 4120: – 24V and 12V supply voltage version available – 700mA preset LED current – Analog voltage and PWM pin for dimming – Can be connected to a string of 3W LEDs	SP000858452 (24V version) SP000858454 (12V version)
 ILD 4001 board	ILD 4001 LED driver	Drive high power LEDs (1W, 3W, 3W+) with the buck LED controller ILD 4001: – 24V supply voltage – Equipped with BSR 302N MOSFET for currents up to 3A – Analog voltage and PWM pin for dimming – Can be connected to a string of high power LEDs	SP000889588
 ILD 4180 demo board	ILD 4180 LED driver	Drive ultra-high power LEDs with the buck LED driver ILD 4180: – Up to 45V supply voltage – LED current adjustable up to 1.8A – Demo board can be operated in either constant current or constant output voltage mode	SP000848474
 LED driver board with ICL 8001G Control	Offline LED driver IC	Demo board using single stage Quasi Resonant Flyback Topology with ICL8001G primary side power control scheme for phase cut dimming applications with high power factor- and efficiency- requirements.	EVAL-LED-ICL8001G-Bulb02
 LED driver board with CoolSET™	Power control Ics	24V/350mA low-cost and highly efficient LED PSU for multiple LEDs.	EVALACDC LED-ICE3B0365JG
 HITFET™ protected low-side power switch	BTS 3256D Low-side switch	Protected low-side power switch (10mΩ at 25°C). This board enables easy startup and connectivity for the new power HITFET™ BTS 3256D. Enables easy read out of digital status via LED, and easy slew rate change via variable resistor on board.	Demoboard BTS3256D



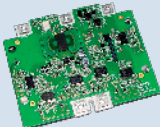












Board Name	Products	Description	Order No.
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7231G TLE 7233G	SPI Driver for Enhanced Relay Control (SPIDER). This board is designed to interface with the universal body control module system evaluation tool.	Demoboard TLE7231G/7233G
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7234EM TLE 7234SE TLE 7237SL	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7234SE and TLE 7237SL.	Demoboard TLE7234/7237
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7235EM TLE 7235SE TLE 7238SL	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7235SE and TLE 7238SL.	Demoboard TLE7235/7238
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7236EM TLE 7236SE TLE 7239SL	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7236SE and TLE 7239SL.	Demoboard TLE7236/7239
 SPIDER (SPI Driver for Enhanced Relay Control)	TLE 7240SL TLE 7243SL TLE 7244SL	The board is designed to interface with the universal body control module system evaluation tool. The set contains adapter boards for TLE 7240SL, TLE 7243SL and TLE 7244SL.	Demoboard TLE724XSL
 HIC-PROFET™	BTS 500x0-1EGA	For a quick start to lab evaluation, this demo board drives loads such as heating, glow plugs or lamps in 12V DC applications. It uses two devices from the BTS 500x0-1EGA product family, which can be used in parallel and also to drive two independent loads. The board can be used on a stand-alone basis, but also in combination with power easy kit for quick start of software evaluation.	Demoboard BTS50050-1EGA Demoboard BTS50060-1EGA Demoboard BTS50070-1EGA Demoboard BTS50080-1EGA
 PROFET™+ demo board	BTS 5020-2EKA BTS 5030-2EKA BTS 5045-2EKA BTS 5090-2EKA BTS 5120-2EKA BTS 5180-2EKA	This demo board is designed to handle all devices within the PROFET™+ family. It provides the complete external circuitry and testpins for a fully functional setup. Additional functions like internal voltage generation for input pins and the possibility to connect more than one demo board for a test set-up are included. The demo board comes with a daughterboard that holds the BTS 5020-2EKA which can be replaced by daughterboards of other PROFET™+ devices.	Demoboard PROFET™+
 PROFET™+ demo board		High-side switch	
 SPOC I - power easy kit	BTS 5590G BTS 5576G BTS 5566G	This board is part of the SPOC (SPI power controller for advanced light control) demo kit. The demo kit consists of the power unit and the control unit (XC2287 power easy kit - to be ordered separately).	Demoboard BTS5590G BTS5576G BTS5566G
 SPOC II - power easy kit	BTS 5662E BTS 5672E BTS 5682E BTS 5672E BTS 5662E	This board is part of the SPOC (SPI power controller for advanced light control) demo kit. The demo kit consists of the power unit and the control unit (XC2287 power easy kit - to be ordered separately).	Demoboard BTS5662E BTS5672E BTS5682E BTS5672E BTS5662E



Board Name	Products	Description	Order No.
 SPOC FL - power easy kit	BTS 6480SF BTS 6460SF BTS 5480SF BTS 5460SF Multi-channel switch	This board is part of the SPOC FL (SPI power controller for advanced front light control) demo kit. The demo kit consists of the power unit and the control unit (XC2287 power easy kit - to be ordered separately).	Demoboard BTS6480SF BTS6460SF BTS5480SF BTS5460SF
 TLD 5098EL Application board	TLD 5098EL DC/DC boost controller	This small size DC/DC board is available in the following topologies: – Boost to battery – Boost to GND – SEPIC and can drive LED loads up to 1.5A or higher.	Application Board TLD5098EL
 TLD 5095EL demo board	TLD 5095EL DC/DC boost controller	This board is equipped with TLD 5095EL boost controller, MOSFETs and LEDs or can be used via jumper-seeting with external LED loads up to 1.5A or higher and up to 55V output voltage.	Demoboard TLD5095EL
 TLD 5098EL demo board	TLD 5098EL DC/DC boost controller	This board is equipped with TLD 5098EL boost controller, MOSFETs and LEDs or can be used via jumper-seeting with external LED loads up to 1.5A or higher and up to 60V output voltage.	Demoboard TLD5098EL
 TLD 5085 demo board	TLD 5085 DC/DC buck converter	This board with the TLD 5085 buck converter is equipped with LEDs or can be used via jumper-seeting with external LED loads up to 1.8A.	Demoboard TLD5085
 TLD 5085 Application board with LED	TLD 5085 DC/DC buck converter	This board with the TLD 5085 buck converter is equipped with one LED or can be used with external LED loads up to 1.8A.	Application Board TLD5085 with LED
 TLD 5085 Application board with connector	TLD 5085 DC/DC buck converter	This board with the TLD 5085 buck converter is equipped with a connector to drive external LED loads up to 1.8A.	Application Board TLD5085 with Connector
 Evaluation board ICB 2FL01G	ICB 2FL01G Smart ballast controller	Demo board for fluorescent lamp ballast with smart ballast controller 2 nd generation ICB 2FL01G for 1x54W T5 lamp.	EVAL board ICB2FL01G
 Evaluation board ICB 2FL02G	ICB 2FL02G Smart ballast controller	Demo board for dimmable fluorescent lamp ballast with smart ballast controller 2 nd generation ICB 2FL02G for 1x26W TC-TEL lamp.	EVAL board ICB2FL02G
 Evaluation board ICB 1FL02G	ICB 1FL02G Smart ballast controller	Demo board for fluorescent lamp ballast with smart ballast controller 1 st generation ICB 1FL03G for 1x54W T5 lamp.	EVAL board ICB1FL02G
 Evaluation board ICB 2FL02G	ICB 2FL02G Smart ballast controller	Demo board for fluorescent lamp ballast with smart ballast controller 2 nd generation ICB 2FL02G for 1x54W T5 lamp.	EVAL board ICB2FL02G
 Evaluation board ICB 1FL03G	ICB 1FL03G Smart ballast controller	Demo board for fluorescent lamp ballast with smart ballast controller 1 st generation ICB 1FL03G for 1x54W T5 lamp.	EVAL board ICB1FL02G

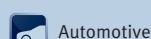
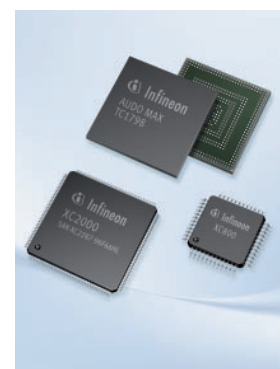


Board Name	Products	Description	Order No.
	1ED020I12-FA	Driver board for HybridPACK™2 IGBT modules, employing coreless transformer single-channel driver 1ED020I12-FA. IGBT module to be ordered separately.	SP00052868
6ED100HP2-FA	Microcontroller		
	1ED020I12-FA	Driver board for HybridPACK™1 IGBT modules, employing coreless transformer single-channel driver 1ED020I12-FA. IGBT module to be ordered separately.	SP000521526
6ED100HP1-FA	Microcontroller		
	1ED020I12-FA	Complete inverter/DC-DC solution for applications up to 80kW (Full Hybrid Electrical Vehicles) with IGBT module HybridPACK™2 (FS800R07A2E3) 650V/800A, employing coreless transformer isolated driver (1ED020I12-FA) and overvoltage protection (active clamp)	SP000635950
Hybrid-Kit for HybridPACK™2	8-bit microcontroller		

-  Automotive
-  Motor Control
-  Industrial Control & Automation
-  Power Management
-  Lighting & LED Driver
-  Consumer
-  Communication

Board Name	Products	Description	Order No.
 <p>Application KIT FOCDRIVE_V1</p>	XC878 XE164F	XC878 with vector computer, XE164 real time signal controller with MAC unit. Power board 23V–56V, 7.5A. 15W PMSM motor and plug-in 24V power supply. Using Infineon 6ED003L06 gate driver, BSC 196N10 MOSFETs, CoolSET™ ICE 3B0565 power supply and TLE 4264 LDO. Software package including source code. Sensorless FOC of PMSM with XE164. Sensorless FOC of PMSM with XC878.	KIT_AK_FOCDRIVE_V1
 <p>Application KIT 7 buttons</p>	XC822T	Solution for touch and LED-display control based on XC822T 8-bit microcontroller with embedded control ROM-library. Code examples and documentation for capacitive touch buttons and LED-display control. DAVE™ Bench free development tool chain. Programmer access and power supply via USB.	KIT_AK_INTOUCH7B
 <p>Application KIT color wheel</p>	XC822T	Solution for touch and LED-color control based on XC822T 8-bit microcontroller with embedded control ROM-library. Code examples and documentation for capacitive touch wheel and LED-color control. DAVE™ Bench free development tool chain. Programmer access and power supply via USB.	KIT_AK_INTOUCHCW
 <p>Application KIT XC866 LIN STEPPER</p>	XC866	XC866 LIN stepper motor kit: to jump start stepper motor design and provide an introduction to the Local Interconnect Network (LIN) protocol, Infineon offers the XC866 LIN stepper motor application kit.	KIT_AK_XC866_LIN_STEPPER
 <p>Application KIT BLDC_MDB_V1</p>	XC866	Motor control demo kit for block commutation (20 ~ 45V, 0 ~ 16A) on BLDC motors.	KIT_AK_BLDC_MDB_V1
 <p>Application KIT BLDC</p>	XC866	12V BLDC (brushless DC) automotive application kit: pp to 20A BLDC motor, inverter, MCU (XC866). Free compiler (SDCC) and debugger (HITOP). Tutorial videos demonstrating how to use the kit.	KIT_AK_XC866_BLDC
 <p>Application KIT XC800_FOC_V1</p>	XC886	Field-oriented-control (FOC) evaluation kit based on XC886/888 including documentation, ready-to-use FOC software, compiler, debugger, USB-CAN interface, DAVE™ mother system and a 24V PMSM motor.	KIT_AK_XC800_FOC_V1
 <p>Application KIT FOCDRIVE_V1</p>	XC878 XE164F	XC878 with vector computer, XE164 real time signal controller with MAC unit. Power board 23–56V, 7.5A. 15W PMSM motor and plug-in 24V power supply. Using Infineon 6ED003L06 gate driver, BSC 196N10 MOSFETs, CoolSET™ ICE 3B0565 power supply and TLE 4264 LDO. Software package including source code. Sensorless FOC of PMSM with XE164. Sensorless FOC of PMSM with XC878.	KIT_AK_FOCDRIVE_V1

Board Name	Products	Description	Order No.
 Application KIT DaveDrive_V3	XC878 XE164	Scalable low voltage PMSM motor driver kit with DAVE™ Drive auto code generator. Uses the full power of Infineon microcontrollers, e.g. it generates optimized FOC code for XC878 using a vector computer and XE164 with MAC unit supporting single cycle 16 x 16-bit multiplication and accumulation. This usually requires expert knowledge in both motor control and assembler programming.	KIT_AK_DaveDrive_V3
 Application KIT DUALMOTORDRIVE_V1	8-/16-bit microcontroller		
 Application KIT DUALMOTORDRIVE_V1	XC878 XE164F	XC878 with vector computer, XE164 real time signal controller with MAC unit. Power board 23–56V, 7.5A. 15W PMSM motor and plug-in 24V power supply. Using Infineon 6ED003L06 gate driver, BSC 196N10 MOSFETs, CoolSET™ ICE 3B0565 power supply and TLE 4264 LDO. Software package including source code. Simultaneous control of two PMSMs with sensorless FOC & digital PFC with XE164. Sensorless FOC & digital PFC with XC878. V/f control of ACIM for quick evaluation.	KIT_AK_2MOTORDRIVE_V1
 Application KIT 3PHASE_DRIVE_V1	8-/16-bit microcontroller		
 Application KIT 3PHASE_DRIVE_V1	XC886	3-phase drive application kit: 0.75kW power stage for consumer and industrial drives, XC886 motor control unit with molded CIPOS™ module and integrated AC/DC converter. Separately application kit for PMSM/BLDC and induction motors (110 and 220V).	KIT_AK_3PHASE_DRIVE_V1
 Application KIT BLDC_MOTORDRIVE_V1	8-bit microcontroller		
 Application KIT BLDC_MOTORDRIVE_V1	XC886 XC2238N	Key features: scalable 3-phase inverter, example code: FOC & V/f for XC886 and XC2238N, Integrated protection features for high system reliability, complete IDE software packages included, easy installation, plug & play included: TLE 7184F power board (12V..24V/20A), BLDC/PMSM motor, AC/DC powersupply (12V/2A), XC886 (8-bit) drivecard with 16-bit, arithmetic, XC2238N (16-bit) drive card, capable of running FOC code, USB drive-monitor, CD-Rom with software & documentation, cables and connectors - automotive application.	KIT_AK_TLE7184_V1
 Application KIT BLDC_MOTORDRIVE_V1	8-/16-bit microcontroller		
 Extension-Board KIT OLED_UCONNECT_XE164	XE164	Extension-Board for the UConnect XE164 with a 320*240 OLED 24-bit color display and Ethernet-Connection, CAN and UART connector.	KIT_OLED_UConnect
 Extension-Board KIT OLED_UCONNECT_XE164	16-bit microcontroller		
 USB KIT IOLINK_USB_V1	XC822 XE164	IO-Link evaluation kit: 16-bit real-time signal controller - hardware support for up to 10 IO-Link channels with FIFO buffer for each channel - CAN, ADC, PWM, timers - IO-Link master. 8-bit microcontroller- Slave IO-Link for intelligent control nodes - CAN, ADC, PWM, timers.	KIT_IOLINK_USB_V1
 USB KIT IOLINK_USB_V1	8-/16-bit microcontroller		 
 USB KIT XC800_USCALE_USB	XC866 XC886 XC888	The XC800 USCALE kit is a low cost USB stick providing full evaluation capability for the XC866, XC886 and XC888 8-bit family of microcontrollers, all on a single platform. The kit includes development toolchains, demos and tutorials for quick installation and ease of use as well as access to the key features and hardware signals of each of the three microcontrollers for more extensive benchmarking and evaluation.	KIT_XC800_USCALE_USB
 USB KIT XC800_USCALE_USB	8-bit microcontroller		 



Automotive



Motor Control

Industrial
Control & Automation

Power Management



Lighting & LED Driver



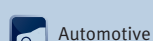
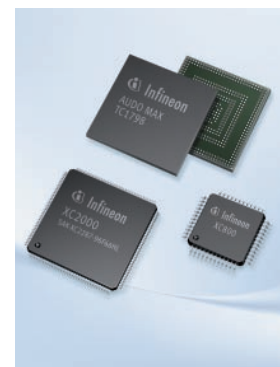
Consumer



Communication

Board Name	Products	Description	Order No.
 USB KIT UCONNECT_XE162N	XE162N 16-bit microcontroller	The UConnect XE162N is a low cost USB stick providing full evaluation capability for the new XE166 16-bit family of microcontrollers. The kit includes development toolchains, demos, a CANopen EVA version and tutorials for quick installation and ease of. The UConnect USB stick comes with a CAN extension board.	KIT_XE162N_UConnect_USB 
 USB KIT UCONNECT_ XC2000 Family	XC2238N XC2336B XC2734X 16-bit microcontroller	The UConnect XC2238N/XC2336B/XC2734X are low cost USB sticks providing full evaluation capability for the XC2000 16-bit family of microcontrollers. The kit includes development toolchains, demos, a CANopen EVA version and tutorials for quick installation and ease of. The UConnect USB stick comes with a CAN extension board.	KIT_XC2200N_UConnect_USB KIT_XC2300B_UConnect_USB KIT_XC2704X_UConnect_USB 
 USB KIT DAP_MINIWIGGLER	Debugging tool for all microcontrollers supporting the DAP interface 8-/16-/32-bit microcontroller	The miniWiggler is Infineon's high performance and cost-efficient debugging tool for the future. On the host side, it has a USB interface, which is available on every computer. On the device side, the communication goes over Infineon 10-pin DAP or 16-pin OCDL1 interfaces. The miniWiggler has been designed specifically to work in combination with Infineon's Debug Access Software (DAS).	KIT_DAP_MINIWIGGLER_USB 
 Easy KIT XC82x	XC822 8-bit microcontroller	For evaluation of XC822 microcontroller; including USB cable, high power LED module, boost converter, capacitive touch pads and CD-ROM with technical documentation (user manual, data sheets, board documentation, Errata sheets), DAVE™ Bench free development tool chain (compiler, debugger, flash loader) and application code examples with hands on trainings.	KIT_XC822_EK_V1 
 Easy KIT XC83x	XC835 XC836 8-bit microcontroller	For evaluation of XC835 and XC836 microcontrollers; including USB cable, capacitive touch pads, LED display and CD-ROM with technical documentation (user manual, data sheets, board documentation, Errata sheets), DAVE™ Bench free development tool chain (compiler, debugger, flash loader) and application code examples with hands on trainings.	KIT_XC836_EK_V1 
 Easy KIT XC8xx_V1	XC864 XC878 8-bit microcontroller	For evaluation of XC864/XC878 including documentation, compiler, debugger, operating system, parallel cable and one extension board.	KIT_XC864_EK_V1 KIT_XC878_EK_V1 
 Easy KIT XC866	XC866 8-bit microcontroller	For evaluation of XC866 including documentation, compiler, debugger and DAVE™ mother system v2.1.	KIT_XC866_EK 
 Easy KIT XC164Cx_V3	XC164CM XC164CS 16-bit microcontroller	For evaluation of XC164CM/XC164CS including documentation, compiler, debugger, DAVE™ mother system v2.1 and a flash programming tool.	KIT_XC164CM_EK_V3 KIT_XC164CS_EK_V3 

Board Name	Products	Description	Order No.
 Easy KIT XC167CI_V3	XC167CI 16-bit microcontroller	For evaluation of XC167CI including documentation, compiler, debugger, DAVE™ mother system v2.1 and a flash programming tool.	KIT_XC167CI_EK_V3 
 Easy KIT XE16X classic series	XE164F XE167F 16-bit microcontroller	For evaluation of XE164/XE167 including documentation, compiler, debugger, DAVE™ mother system v2.1 and a flash programming tool.	KIT_XE164F_EK_V1 KIT_XE167F_EK_V1 
 Easy KIT XE16x FH_V1	XE167FH XE169FH 16-bit microcontroller	For evaluation of XE167FH/XE169FH including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XE167FH_EK_V1 KIT_XE169FH_EK_V1 
 Easy KIT XE16x FL	XE161FL XE162FL 16-bit microcontroller	For evaluation of XE161FL/XE162FL including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XE161FL_EK KIT_XE162FL_EK 
 Easy KIT XE16x FM_V1	XE162FM XE164FM XE167FM 16-bit microcontroller	For evaluation of XE162FM/XE164FM/XE167FM including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XE162FM_EK_V1 KIT_XE164FM_EK_V1 KIT_XE167FM_EK_V1 
 Easy KIT XE16x FN_V1	XE162FN XE164FN 16-bit microcontroller	For evaluation of XE162FN/XE164FN including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and Flash programming and debugging.	KIT_XE162FN_EK_V1 KIT_XE164FN_EK_V1 
 Easy KIT XE16x FU	XE160FU XE161FU 16-bit microcontroller	For evaluation of XE160FU/XE161FU including Getting Started DAVE™, technical documentation, compiler and debugger, USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XE160FU_EK KIT_XE161FU_EK 
 Starter KIT C515C	C515C 8-bit microcontroller	For evaluation of C515 including documentation, compiler and debugger.	KIT_C515C_SK 



Automotive



Motor Control

Industrial
Control & Automation

Power Management



Lighting & LED Driver



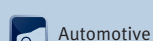
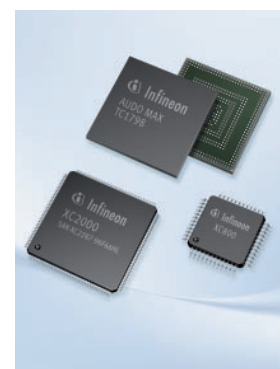
Consumer



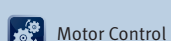
Communication

Board Name	Products	Description	Order No.
 Starter KIT XC8xx	XC866 XC886 XC888 8-bit microcontroller	For evaluation of XC866/XC886/XC888 including documentation, compiler, debugger, DAVE™ mother system v2.1, cables and U-link.	KIT_XC866_SK KIT_XC888_SK 
 Starter KIT C167CS	C167CS 16-bit microcontroller	For evaluation of C167CS including documentation, compiler and debugger.	KIT_C167CS_SK 
 Starter KIT XC22x7 classic series	XC2267 XC2287 16-bit microcontroller	For evaluation of XC2267/XC2287 including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and Flash programming and debugging.	KIT_XC2267_SK KIT_XC2287_SK 
 Starter KIT XC22x0U	XC2210U XC2220U 16-bit microcontroller	For evaluation of XC2210U/XC2220U including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2210U_SK KIT_XC2220U_SK 
 Starter KIT XC22xxL	XC222xL XC223xL 16-bit microcontroller	For evaluation of XC2220L/XC2224L/XC2230L/XC2234L including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC222xL_SK KIT_XC223xL_SK 
 Starter KIT XC22x7M Series	XC2237M XC2267M XC2287M 16-bit microcontroller	For evaluation of XC2237M/XC2267M/XC2287M including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2237M_SK KIT_XC2267M_SK KIT_XC2287M_SK 
 Starter KIT XC22x8H Series	XC2288H XC2298H 16-bit microcontroller	For evaluation of XC2288H/XC2298H including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2288H_SK KIT_XC2298H_SK 
 Starter KIT XC22x8N Series	XC2238N XC2268N 16-bit microcontroller	For evaluation of XC2238N/XC2268N including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2238N_SK KIT_XC2268N_SK 

Board Name	Products	Description	Order No.
 Starter KIT XC23xxA	XC2336A XC2365A XC2387A 16-bit microcontroller	For evaluation of XC2336A/XC2365A/XC2387A including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2336A_SK KIT_XC2365A_SK KIT_XC2387A_SK 
 Starter KIT XC23xxB	XC2336B XC2365B 16-bit microcontroller	For evaluation of XC2336B/XC2365B including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2336B_SK KIT_XC2365B_SK 
 Starter KIT XC23xxD	XC232xD XC233xD 16-bit microcontroller	For evaluation of XC2320D/XC2321D/XC2330D/XC2331D including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC232xD_SK KIT_XC233xD_SK 
 Starter KIT XC23X0S	XC2310S XC2320S 16-bit microcontroller	For evaluation of XC2310S/XC2320S including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2310S_SK KIT_XC2320S_SK 
 Starter KIT XC2388C	XC2388C 16-bit microcontroller	For evaluation of XC2388C including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2388C_SK 
 Starter KIT XC27x2X	XC2712X XC2722X 16-bit microcontroller	For evaluation of XC2712X/XC2722X including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2712X_SK KIT_XC2722X_SK 
 Starter KIT_XC27x3X	XC2723X_SK XC2733X_SK 16-bit microcontroller	For evaluation of XC2723X/XC2733X including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2723X_SK KIT_XC2733X_SK 
 Starter KIT XC27x4X	XC2734X XC2764X 16-bit microcontroller	For evaluation of XC2734X/XC2764X including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2734X_SK KIT_XC2764X_SK 



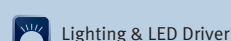
Automotive



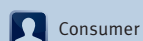
Motor Control

Industrial
Control & Automation

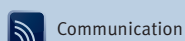
Power Management



Lighting & LED Driver





















Consumer













Communication



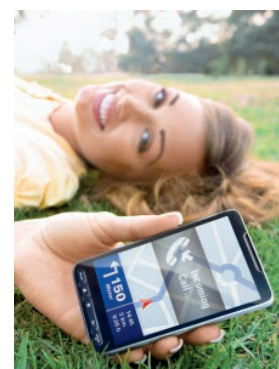
Board Name	Products	Description	Order No.
 Starter KIT XC27x5X	XC2765X XC2785X 16-bit microcontroller	For evaluation of XC2765X/XC2785X including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2765X_SK KIT_XC2785X_SK 
 Starter KIT XC27x6X	XC2766X XC2786X 16-bit microcontroller	For evaluation of XC2766X/XC2786X including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2766X_SK KIT_XC2786X_SK 
 Starter KIT XC27x7X	XC2787X XC2797X 16-bit microcontroller	For evaluation of XC2787X/XC2797X including Getting Started, DAVE™, technical documentation, compiler and debugger. USB cable for power supply, virtual COM port and flash programming and debugging.	KIT_XC2787X_SK KIT_XC2797X_SK 
 Starter KIT TC1130_V1.5	TC1130 32-bit microcontroller	For evaluation of TC1130 including Getting Started, technical documentation, evaluation versions for compiler and debugger. cable, power supply and extension board.	KIT_TC1130_SK_V1.5 
 Starter KIT TC116x	TC1164 TC1166 32-bit microcontroller	For evaluation of TC1164/TC1166 including documentation, compiler, debugger, operating system, cable and one extension board.	KIT_TC116x_SK 
 Starter KIT TC1766	TC1766 32-bit microcontroller	For evaluation of TC1766 including documentation, compiler, debugger, operating system, parallel cable and one extension board.	KIT_TC1766_SK 
 Starter KIT TC1796	TC1796 32-bit microcontroller	For evaluation of TC1796 including documentation, compiler, debugger, operating system, parallel cable and one extension board.	KIT_TC1796_SK 
 Starter KIT TC1767	TC1167 TC1767 32-bit microcontroller	For evaluation of TC1167/TC1767 including Getting Started, technical documentation, evaluation versions for compiler and debugger, USB cable, power supply and extension board.	KIT_TC1767_SK 
 Starter KIT TC1797	TC1197 TC1797 32-bit microcontroller	For evaluation kit for the TC1197/TC1797 including Getting Started, technical documentation, evaluation versions for compiler and debugger, USB cable, power supply and extension board.	KIT_TC1797_SK 



Board Name	Products	Description	Order No.
 BFP 540ESD Evalboard	BFP 540ESD RF transistor	A low-cost, low-current broadband UHF low noise amplifier with the ESD-robust BFP 540ESD RF transistor.	BFP540ESD board 
 BFR 460L3 Evalboard	BFR 460L3 RF transistor	This board shows the ESD-robust BFR 460L3 board in ISM and RKE applications, as well as wideband LNA. Please specify the applications in your order.	BFR460L3 board 
 BFP 460 Evalboard	BFP 460 RF transistor	A low-cost, low-noise amplifier for 315 and 434MHz RKE applications using the ESD-robust BFP 460 RF transistor.	BFP460 board 
 BFR 360L3 Evalboard	BFR 300 Family RF transistor	This board shows BFR 360L3 in different ISM-band applications for <1GHz. It is also available for BFR 340L3 and BFR 380L3, as well as BFR 340F/BFR 360F/BFR 380F in TSFP package. Please specify the applications and the transistor in your order.	BFR360L3 board BFR380F board BFR360F board BFR340F board   

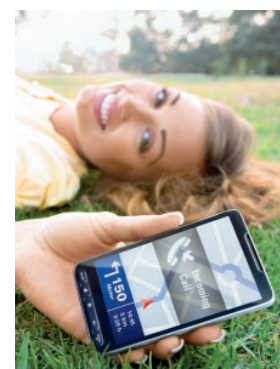
-  Automotive
-  Motor Control
-  Industrial Control & Automation
-  Power Management
-  Lighting & LED Driver
-  Consumer
-  Communication



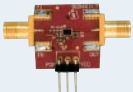

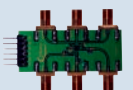

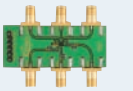

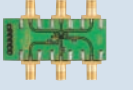

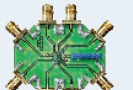



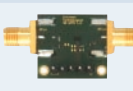

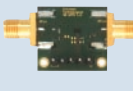

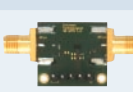



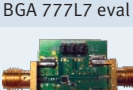

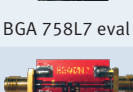

Board Name	Products	Description	Order No.
 BFR 182 board	BFR 182 RF transistor	Low-cost RKE transmitter using BFR 182.	BFR182 board 
 ESD 24VS2U Board	ESD 24VS2U ESD & EMI protection	Evaluation board for ESD 24VS2U TVS, 2-channel unidirectional diode designed for ESD/transient protection of LIN/CAN-bus and other industrial applications.	ESD24VS2U BOARD  
 BGT 24 TRX Board	BGT 24 24GHz ISM band Transceiver	Evaluation board for BGT 24, single chip transceiver for 24GHz ISM band 24.0GHz - 24.25GHz. Target applications are 24GHz radar frontend for security control, industrial level sensors, motion sensors. This transceiver chipset features very low power consumption, fine/coarse tuning, SPI interface, etc.	BGT24TRX BOARD SP000897748 
 BFP 405 eval board	BFP 405 RF transistor	This board shows BFP 405 in LNA applications. Please specify the frequency (range) in your order.	BFP405 board 
 BFP 405F eval board	BFP 405F RF transistor	This board shows BFP 405F in LNA applications. Please specify the frequency (range) in your order.	BFP405F board 
 BFP 420 eval board	BFP 420 RF transistor	This board shows BFP 420 in LNA applications. Please specify the frequency (range) in your order.	BFP420 board 
 BFP 640(ESD) eval board	BFP 640 BFP 640ESD RF transistor	This board shows BFP 640 in LNA applications. Please specify the frequency (range) in your order. For higher ESD robustness, please try our latest BFP 640ESD.	BFP640 board BFP640ESD board 
 BFP 450 eval board	BFP 450 RF transistor	This board shows BFP 450 in LNA applications. Please specify the frequency (range) in your order.	BFP450 board 
 BFP 520 board	BFP 520 RF transistor	The BFP 520 transistor as a low-cost 1900MHz LNA.	BFP520 board 
 BFP 720(ESD) board	BFP 720 RF transistor	This board shows new SiGe:C RF-transistor BFP 720 (SOT343 package) in LNA applications. NF of 0.5dB possible. Please specify the frequency (range) in your order. For higher ESD robustness, please try out latest BFP 720ESD.	BFP720 board BFP720ESD board 
 BFP 720F(ESD) board	BFP 720F RF transistor	This board shows new SiGe:C RF-transistor BFP 720F (TSFP-4 package) in LNA applications. NF of 0.5dB possible. Please specify the frequency (range) in your order. For higher ESD robustness, please try out latest BFP 720FESD.	BFP720F board BFP720FESD board 

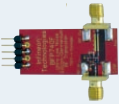



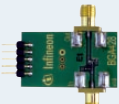

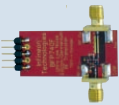

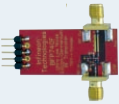

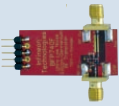







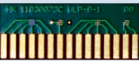





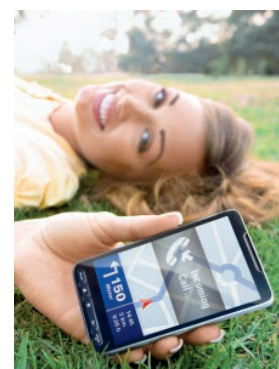
Board Name	Products	Description	Order No.
 BFR 720L3RH board	BFR 720L3RH RF transistor	This board shows new SiGe:C RF-transistor BFR 720L3RH (TSLP-3 package only 0.32 mm in height!) in LNA applications. NF of 0.5dB possible. Please specify the frequency (range) in your order.	BFR720L3RH 
 BFP 740(ESD) board	BFP 740 RF transistor	This board shows BFP 740 in LNA applications. Please specify the frequency (range) in your order. For higher ESD robustness, please try our latest BFP 740ESD.	BFP740 board BFP740ESD board 
 BFP 740F(ESD) board	BFP 740F RF transistor	This board shows BFP 740F in LNA applications. Please specify the frequency (range) in your order. For higher ESD robustness, please try our latest BFP 740FESD.	BFP740F board BFP 740FESD board 
 BFP 740L3H eval board	BFR 740L3RH RF transistor	Evaluation board for BFR 740L3RH. This board is designed as a wide-band LNA. It covers the range from 900MHz up to 6GHz.	BFR740L3RH board 
 BFP 640F(ESD) board	BFP 640F RF transistor	This board shows BFP 640F in LNA applications. Please specify the frequency (range) in your order. For higher ESD robustness, please try our latest BFP 640FESD.	BFP640F board BFP640FESD board 
 BFP 650 eval board	BFP 650 Transistor	PCS, GPS, Bluetooth, 2.4GHz WLAN, SDARS LNA (2-stage 6GHz WLAN LNA). This board shows BFP 650 in LNA applications. Please specify the frequency (range) in your order.	BFP650 board 
 BFP 650F eval board	BFP 650F RF transistor	This board shows BFP 650F in LNA applications. Please specify the frequency (range) in your order.	BFP650F board 
 ESD 1P0RF series evaluation boards	ESD 1P0RFW ESD 1P0RFS ESD & EMI protection	Evaluation board for ESD 1P0RF diode series. These diodes with 1pF capacitance are designed to protect RF lines. Available in SOT363 (ESD 1P0RFS) and SOT323 (ESD 1P0RFW) packages.	ESD1P0RFW BOARD ESD1P0RFS BOARD  
 BGB 707L7ESD board	BGB 707L7ESD RF MMIC	This board shows new SiGe:C wideband MMIC BGB 707L7ESD (ultra low noise, power-off function, current adjust, frequency range 50MHz - 5.5GHz, TSLP-7-1 package) in LNA applications. NF of < 1.0dB possible. Please specify the frequency (range) in your order.	BGB707L7ESD board 
 BGB 717L7ESD board	BGB 717L7ESD RF MMIC	This board shows new SiGe:C wideband MMIC BGB 717L7ESD (ultra low noise, power-off, frequency range 50MHz-5.5GHz, current 3mA, TSLP-7-1 package) in LNA applications. NF of < 1.0dB possible. Please specify the frequency (range) in your order.	BGB717L7ESD board 
 BGB 741L7ESD board	BGB 741L7ESD RF MMIC	This board shows new SiGe:C broadband MMIC BGB 741L7ESD (low noise, 4kV at RF_in, power-off, current adjust, integrated feedback, supporting up to 4GHz, TSLP-7-1 package) in LNA applications. NF of 1.0dB possible. Please specify the frequency (range) in your order.	BGB741L7ESD board 

Board Name	Products	Description	Order No.
 BGA 461 board	BGA 461 RF MMIC	Evaluation board for BGA 461. BGA 461 is a low-cost low-current LNA MMIC for GPS application, gain 19.5dB, NF 1.1dB, Icc 4mA.	BGA461 board 
 BGA 615L7 board	BGA 615L7 RF MMIC	Evaluation board for BGA 615L7. BGA 615L7 is a high-gain low-noise LNA MMIC for GPS with a NF of only 0.9dB. AN91.	BGA615L7 board 
 BGA 715L7 board	BGA 715L7 RF MMIC	Evaluation board for BGA 715L7. BGA 715L7 is a best-in-class LNA MMIC for GPS application, gain 20dB, NF 0.6dB or 0.75dB. Please specify the version in your order. AN161.	BGA715L7 board 
 BGA 915N7 board	BGA 915N7 RF MMIC	GPS LNA offering excellent linearity (+10dBm IIP3), low noise figure (0.7dB), medium gain (15.5dB) and a very small package (1.5mm ²)	BGA915N7 board 
 BGA 231L7 board	BGA 231L7 RF MMIC	GPS LNA, replaces Avago MGA231T6. NF: 0.7dB, Gain: 16dB, IIP3: -1dBm.	BGA231L7 board 
 BGM 732N16 board	BGM 732N16 RF MMIC	GPS front-end module including a low insertion loss pre-filter and an LNA. 1.7dB NF, 18dB gain.	BGM732N16 board 
 BGM 1033N7 board	BGM 1033N7 RF MMIC	GPS and GLONASS front-end module including low insertion loss pre-filter and LNA. 1.7dB NF, 14.5 dB gain.	BGM1033N7 board 
 BGM 781N11 board	BGM 781N11 RF MMIC	Evaluation board for BGM 781N11. BGM 781N11 is a GPS FEM LNA MMIC with pre-filter, LNA and post-filter integrated in one package. TR138, TR139, TR143, TR144, TR145, AN184.	BGM781N11 board 
 BGS 15AN16 board	BGS 15AN16 RF switch	High power SP5T RF switch for WCDMA diversity applications with integrated CMOS logic. Handles up to 30dBm.	BGS15AN16 board 
 BGS F18D board	BGS F18D RF switch	SP8T antenna switch module with integrated SPI controller, 2 GSM-Tx and 6 WCDMA-TRx ports for 2G/3G convergence.	BGSF18D board 
 BGS F28D board	BGS F28D RF switch	SP3T + SP5T antenna switch module with integrated SPI controller, 2 GSM-Tx and 6 WCDMA-TRx ports for 2G/3G convergence.	BGSF28D board 
 BGS 12A eval board	BGS 12A RF switch	A medium power RF SPDT switch in super small 0.79 x 0.54mm ² chip-scale package for medium power wireless applications up to 2.5GHz. Can be used for example as band select switch, antenna diversity switch, bypass switch or Rx-Tx switch.	BGS12A board  
 BGS 12AL7-6 eval board	BGS 12AL7-6 RF switch	A medium power RF SPDT switch in tiny 1.4 x 1.26mm ² TSLP7-6 package for medium power wireless applications up to 2.5GHz. Can be used for example as band select switch, antenna diversity switch, bypass switch or Rx-Tx switch.	BGS12AL7-6 board  

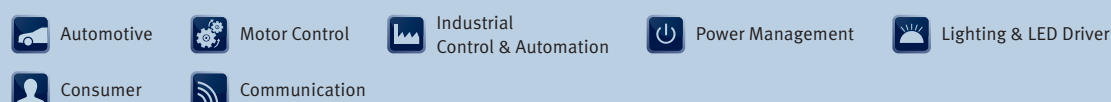


Board Name	Products	Description	Order No.
 BGS 12AL7-4 eval board	BGS 12AL7-4 RF switch	A medium power RF SPDT switch in 2.3 x 1.5mm ² TSLP7-4 package for medium power wireless applications up to 2.5GHz. Can be used for example as band select switch, antenna diversity switch, bypass switch or Rx-Tx switch.	BGS12AL7-4 board 
 BGA 728L7 board	BGA 728L7 RF MMIC	Evaluation board for BGA 728L7. BGA 728L7 is a broadband low noise amplifier for portable and mobile TV applications. This board is available for UHF and 'UHF+VHF'. Please specify the version in your order. AN163.	BGA728L7 board 
 BGA 734L16 eval board	BGA 734L16 RF MMIC	Evaluation board for BGA 734L16. BGA 734L16 is a triple-band UMTS LNA with adjustable band combination. It provides two gain modes and on/off function and supports the transceiver with a data rate of 3.6Mbits/s.	BGA734L16 board 
 BGA 735N16 eval board	BGA 735L16 RF MMIC	Evaluation board for BGA 735L16. BGA 736L16 is a triple-band UMTS LNA with adjustable band combination. It provides two gain modes and on/off function and supports the transceiver with a data rate of 14.4Mbits/s.	BGA735N16 board 
 BGA 736L16 eval board	BGA 736L16 RF MMIC	Evaluation board for BGA 736L16. BGA 736L16 is a triple-band UMTS LNA with adjustable band combination. It provides three gain levels and on/off function and supports the transceiver with a data rate of 7.2Mbits/s.	BGA736L16 board 
 BGA 748N16 board	BGA 748N16 RF MMIC	Quad-band UMTS LNA with one high band, one mid band and two low band LNAs. It provides two gain levels and an on/off control pin.	BGA748N16 board 
 BGA 749N16 board	BGA 749N16 RF MMIC	UMTS quad-band LNA with two high bands, one mid band and one low band LNA. It provides two gain levels and an on/off control pin.	BGA749N16 board 
 BGA 713L7 board	BGA 713L7 RF MMIC	Single UMTS LNA for the low bands (700MHz - 900MHz range). Offers two gain modes and an on/off controll pin.	BGA713L7 board 
 BGA 711L7 eval board	BGA 711L7 RF MMIC	Evaluation board for BGA 711L7 is a single wide-band UMTS LNA covering all frequencies 1.85 ... 2.62GHz. It provides two gain mo-des and on/off function and supports the transceiver with a data rate of 14.4Mbits/s.	BGA711L7 board 
 BGA 751L7 eval board	BGA 751L7 RF MMIC	Evaluation board for BGA 751L7. BGA 751L7 is a single-band UMTS LNA for band V/VI. It provides two gain-levels and on/off function, supports the transceiver with the date rate of 14.4Mbits/s.	BGA751L7 board 
 BGA 777L7 eval board	BGA 777L7 RF MMIC	BGA 777L7 is a low-current, single-band, low-noise amplifier MMIC for UMTS bands 7, 38 and 40 with frequency range 2.3 – 2.7GHz.	BGA777L7 board 
 BGA 758L7 eval board	BGA 758L7 RF MMIC	BGA 758L7 is a low noise amplifier MMIC for 5-6GHz WLAN application, in tiny TSLP-7-8 package.	BGA758L7 board 
 BGA 628L7 eval board	BGA 628L7 RF MMIC	BGA 628L7 is a wide-band low-noise amplifier MMIC with operating frequency range of 0.4 - 6GHz, in tiny TSLP-7-8 package. TR152.	BGA628L7 board 




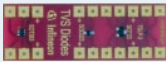


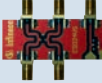


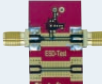


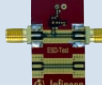





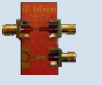





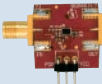


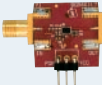


Board Name	Products	Description	Order No.
 BGA 622L7 eval board	BGA 622L7 RF MMIC	Evaluation board for BGA 622L7. BGA 622L7 is a multi-purpose LNA MMIC. This board is available for GPS or 1.8 – 2.4GHz applications. Please specify the version in your order. AN89&90.	BGA622L7 board 
 BGA 622 eval board	BGA 622 RF MMIC	Evaluation board for BGA 622. BGA 622 is a low-cost multi-pur-pose LNA MMIC. This board is available for GPS or 1.8 – 2.4GHz applications. Please specify the version in your order. AN69.	BGA622 board 
 BGA 428 eval board	BGA 428 RF MMIC	Evaluation board for BGA 428. BGA 428 is a low-cost LNA MMIC. This board is available for GPS and 1900MHz applications. Please specify the version in your order. AN62.	BGA428 board 
 BGA 612 board	BGA 612 RF MMIC	BGA 612 is a broadband MMIC amplifier with input and output matched to 50Ω. I can be used e.g. as a driver amplifier. Gain: 18dB, OP1dB: 7 dBm, OIP3: 17dBm.	BGA612 board 
 BGA 614 board	BGA 614 RF MMIC	BGA 614 is a broadband MMIC amplifier, input and output are matched to 50Ω. Excellent linearity performance make it suitable as a driver amplifier or for CATV applications. Gain: 19dB, OP1dB: 12dBm, OIP3: 25Bm.	BGA614 board 
 BGA 616 board	BGA 616 RF MMIC	BGA 616 is a broadband MMIC amplifier, its input and output are matched to 50Ω. Excellent linearity performance make it suitable as a driver amplifier or in CATV applications.	BGA616 board 
 BGF 104C HiPAC eval board	BGF 100 ESD & EMI protection	ESD and EMI protection (audio filter) for differential microphone interfaces.	BGF100 board 
 BGF 104C HiPAC eval board	BGF 104C ESD & EMI protection	ESD and EMI filter array for high-speed multi-media card (HSMC).	BGF104 board 
 BGF 109C HiPAC eval board	BGF 109C ESD & EMI protection	ESD and EMI filter 10-channel array for LCD interface.	BGF109 board 
 BGF 200 HiPAC eval board	BGF 200 ESD & EMI protection	ESD and EMI protection (audio filter) for single-ended microphone interface.	BGF200 board 
 BGA 616 eval board	BGA 616 RF MMIC	Evaluation board for BGA 616. BGA 616 is one of our general pur-pose 50 T gain-block family. Boards for BGA 612 and BGA 614 are available in ISAR as well.	BGA616 board 






Board Name	Products	Description	Order No.
ESD 8V0 series eval board	ESD 8V0 series	Evaluation board for the ESD 8V0 bidirectional diode series. Recommended TVS diode series for ESD protection of general purpose applications (keypad, keyboard, buttons, power line) and audio/headset lines. These ESD protection diodes are available in 0201 or 0402 packages either for single- or dual-channel protection. Please select the board version accordingly.	ESD8V0L1B-02EL BOARD (1-line, 0402) ESD8V0R1B-02EL BOARD (1-line, 0402) ESD8V0R1B-02ELS BOARD (1-line, 0201) ESD8V0L2B-03LRH BOARD (2-lines, 0402)
ESD 5V0S series evaluation board	ESD 5V0S Series	Evaluation board for ESD 5V0S series TVS-protection diodes. These diodes (ESD 5V0S2U-06, ESD 5V0S4US, ESD 5V0S5US) are available in different leaded packages for single- or multi-channel protection. Recommended for ESD/surge protection in general purpose and power line applications. Please select the board version accordingly.	ESD5V0S2U-06 BOARD ESD5V0S4US BOARD ESD5V0S5US BOARD
ESD 0P2RF- series evaluation boards	ESD 0P2RF	ESD protection for RF antennas using Infineon ESD 0P2RF. This diode is available in two packages: TSLP-2 (equivalent to EIA 0402) and TSSLP-2 (equivalent to EIA 0201).	ESD0P2RF-02LS BOARD (0201) ESD0P2RF-02LRH BOARD (0402)
ESD 0P4RFL evaluation board	ESD 0P4RFL	ESD protection for RF antennas using Infineon ESD 0P4RFL with 0.4pF capacitance. The package is TSLP-4.	ESD0P4RFL BOARD
ESD 5V3S1B- series evaluation board	ESD 5V3S1B-Series	ESD protection of audio, speaker and headset lines with ESD 5V3S1B bidirectional diode series. Special feature of this diode is very low clamping voltage for protection of applications operating at a maximum voltage between -5.3V/+5.3V.	ESD5V3S1B-02LS BOARD ESD5V3S1B-02LRH BOARD
ESD 5V3U1U series evaluation board	ESD 5V3U1U-Series	ESD protection of digital high speed interfaces with ESD 5V3U1U- diode series. These diodes have ultralow capacitance of 0.4pF (1MHz) and ESD absorption capability of 20 kV exceeding IEC61000-4-2 standard. Enables application in USB2.0, HDMI 1.3, HDMI 1.4, DisplayPort, DVI, etc. Packages are TSLP-2 and TSSLP-2 (equivalent to EIA 0402 and 0201).	ESD5V3U1U-02LS BOARD ESD5V3U1U-02LRH BOARD
ESD 3V3U1U- series evaluation board	ESD 3V3U1U-Series	ESD protection of digital high speed data interfaces with single line ESD 3V3U1U- diodes. These diodes have ultralow capacitance of 0.4pF (1MHz) and ESD absorption capability of 20kV exceeding IEC61000-4-2 standard. These diodes are suited for applications with maximum signal voltage of +3.3V. Packages are TSLP-2 and TSSLP-2 (equivalent to EIA 0402 and 0201).	ESD3V3U1U-02LS BOARD ESD3V3U1U-02LRH BOARD
ESD 5V3U2U-series evaluation board	ESD 5V3U2U-Series	ESD protection of digital high speed data interfaces with ESD 5V3U2U- arrays. These diodes have ultralow capacitance of 0.4pF (1MHz) and ESD absorption capability of 20kV exceeding IEC61000-4-2 standard. Enables protection of two lines with one device in applications like USB2.0, USB3.0, HDMI 1.3, HDMI 1.4, DisplayPort, DVI, etc. Packages are TSLP-3 (equivalent to EIA 0402 for 2-lines protection) and TSFP-3 (2-lines protection).	ESD5V3U2U-03F BOARD ESD5V3U2U-03LRH BOARD
ESD 3V3U4ULC evaluation board	ESD 3V3U4ULC	ESD protection of new USB3.0 and other high speed interfaces with ESD 3V3U4ULC array. This diode has ultralow capacitance of 0.4pF (1MHz) and ESD absorption capability of 20kV exceeding IEC61000-4-2 standard. With ultrahin package measuring 2.3x1.0x0.3mm, this diode array enables protection of four lines in applications with signal voltage up to 3.3V.	ESD3V3U4ULC BOARD
ESD 5V3U4RRS evaluation board	ESD 5V3U4RRS	ESD protection of digital high speed data interfaces with ESD 5V3U4RRS array diode. This diode has ultralow capacitance of 0.4pF (1MHz) and ESD absorption capability of 15kV exceeding IEC61000-4-2 standard. It is the perfect solution for easy PCB layout and reduced component count in USB2.0 applications. Package is SOT363.	ESD5V3U4RRS BOARD

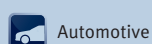




Board Name	Products	Description	Order No.
	ESD 5V3U4U-HDMI	ESD protection of digital high speed data interfaces with ESD 5V3U4U-HDMI array diode in TSLP-9 package (2.3x1.0x0.3mm). This diode has ultralow capacitance of 0.4pF (1MHz) and ESD absorption capability of 20kV exceeding IEC61000-4-2 standard. Because of flow-through design it is the ideal solution for protection of up to 4 data lines in HDMI and DisplayPort interfaces. Other applications like microSD card protection in slim & small devices greatly benefit from the ultrathin package. For applications whose signal voltage does not exceed 5.3V.	ESD5V3U4U-HDMI BOARD
ESD 5V3U4U-HDMI evaluation board	ESD & EMI protection		 
	DSL 70	ESD and transient protection in ADSL, VDSL and other broadband applications. Preferred solution because of extremely low clamping voltage at high peak currents, lower capacitance and overall superior ESD absorption capability. Package is SOT143.	DSL70 BOARD
DSL 70 evaluation board	ESD & EMI protection		 
	ESD 24VS2U	Evaluation board for ESD 24VS2U, 2-channel unidirectional diode in SOT23 package designed for ESD/transient protection.	ESD24VS2U BOARD
ESD 24VS2U evaluation board	ESD & EMI protection		 
	ESD 0P8RFL	Evaluation board for ESD 0P8RFL diode for ESD protection of RF antenna lines. ESD 0P8RFL has 0.8pF and ESD absorption capability of up to 20kV exceeding industry's standard IEC61000-4-2.	ESD0P8RFL BOARD
ESD 0P8RFL evaluation board	ESD & EMI protection		 
	ESD 1P0RF Series	Evaluation board for ESD 1P0RF diode series. These diodes with 1pF capacitance are designed to protect RF lines. Available in SOT363 (ESD 1P0RFS) and SOT323 (ESD 1P0RFW) packages.	ESD1P0RFW BOARD ESD1P0RFS BOARD
ESD 1P0RF series evaluation board	ESD & EMI protection		 
	ESD 5V0L1B-02V ESD 5V0L1U-02V	ESD protection data interfaces and power lines with ESD 5V0L1- diodes in SC79 package.	ESD5V0L1B-02V BOARD ESD5V0L1U-02V BOARD
ESD 5V0L1 series evaluation board	ESD & EMI protection		 
	ESD 5V3L1U-02LRH	Evaluation board for ESD 5V3L1U-02LRH. This diode with 1pF capacitance and ESD absorption capability of 30kV (IEC61000-4-2) is designed to protect RF lines in e.g. FM radio applications and also data interfaces. Available in TSLP-2 package (equivalent to EIA 0402).	ESD5V3L1U-02LRH BOARD
ESD 5V3L1U-02LRH evaluation board	ESD & EMI protection		 
	BGS 12A	A medium power RF SPDT switch in super small 0.79 x 0.54mm ² chip-scale package for medium power wireless applications up to 2.5GHz. Can be used for example as band select switch, antenna diversity switch, bypass switch or Rx-Tx switch.	BGS12A board
BGS 12A eval board	RF switch		 
	BGS 12AL7-6	A medium power RF SPDT switch in tiny 1.4 x 1.26mm ² TSLP7-6 package for medium power wireless applications up to 2.5GHz. Can be used for example as band select switch, antenna diversity switch, bypass switch or Rx-Tx switch.	BGS12AL7-6 board
BGS 12AL7-6 eval board	RF switch		 
	BGS 12AL7-4	A medium power RF SPDT switch in 2.3 x 1.5mm ² TSLP7-4 package for medium power wireless applications up to 2.5GHz. Can be used for example as band select switch, antenna diversity switch, bypass switch or Rx-Tx switch.	BGS12AL7-4 board
BGS 12AL7-4 eval board	RF switch		 



Board Name	Products	Description	Order No.
 Wireless control receiver board	TDA 7210V Receiver	Evaluation board for the receiver TDA 7210V (Mipot).	PMAfob_TDA7210V_434_Kit 
 PMA-RKE-DEMO KIT	PMA 51XX SmartLEWIS™ Transmitter	The PMAfob RKE demo kit will give you an impression of the capabilities of the SmartLEWIS™ MCU PMA-family in a typical application environment. The kit contains two PMAfob remote control units using SmartLEWIS™ MCU transmitter and one SmartLEWIS™ RX TDA 5230 UWLink stick receiver board.	PMAfob_TDA5230_434-USB-UWLink 
 Wireless control transmitter PMA evaluation kit	PMA 51XX SmartLEWIS™ MCU Transmitter	Enhanced development tool for the transmitter with microcontroller family PMA 51XX for 315/434/868/915MHz and output power of 5/10dBm. The evaluation board allows access to all pins for detailed measurement and supports the embedded LF receiver and ADC functionality of the SmartLEWIS™ MCU. This PMA evaluation board requires the system interface board (SmartLEWIS™ SIB) or PMA starter kit for connection to a PC.	PMA5110-315-5-board PMA5110-434-5-board PMA5110-868-10-board PMA5110-915-10-board SmartLEWIS SIB board 



Automotive



Motor Control

Industrial
Control & Automation

Power Management


























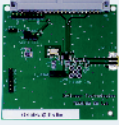














Lighting & LED Driver




Consumer

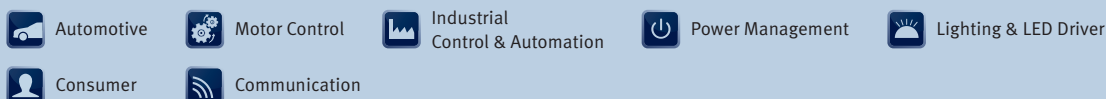


Communication

Board Name	Products	Description	Order No.
 Wireless control transmitter PMA starter kit	PMA 51XX SmartLEWIS™ MCU Transmitter	USB stick for evaluation of the transmitter with microcontroller family PMA 51XX for 315/434/868MHz and output power of 5/10dBm. LF receiver and ADC functionality are not supported.	PMAx110-315-5-USB-RF KIT PMAx110-434-5-USB-RF KIT PMAx110-868-10-USB-RF KIT  
 PMAfob	PMA 71xx SmartLEWIS™ Transmitter	The PMAfob kit will give you an impression of the capabilities of the SmartLEWIS™ MCU PMA family in a typical application environment. The kit contains one PMAfob remote control units using SmartLEWIS™ MCU transmitter and one TDA 7210V (Mipot) receiver board.	PMAfob_TDA7210V_434_Kit 
 PMA-RKE-DEMO KIT	PMA 71xx SmartLEWIS™ Transmitter	The PMAfob RKE demo kit will give you an impression of the capabilities of the SmartLEWIS™ MCU PMA family in a typical application environment. The kit contains two PMAfob remote control units using SmartLEWIS™ MCU transmitter and one SmartLEWIS™ RX TDA 5230 UWLink stick receiver board.	PMAfob_TDA5230_434-USB-UWLink  
 Wireless control transmitter PMA evaluation kit	PMA 71xx SmartLEWIS™ MCU Transmitter	Enhanced development tool for the transmitter with microcontroller family PMA 71xx for 315/434/868/915MHz and output power of 5/10dBm. The evaluation board allows access to all pins for detailed measurement and supports the embedded LF receiver and ADC functionality of the SmartLEWIS™ MCU. This PMA evaluation board requires the system interface board (SmartLEWIS™ SIB) or PMA starter kit for connection to a PC.	PMA5110-315-5-board PMA5110-434-5-board PMA5110-868-10-board PMA5110-915-10-board SmartLEWIS SIB board  
 Wireless control transmitter PMA starter kit	PMA 71xx SmartLEWIS™ MCU Transmitter	USB stick for evaluation of the transmitter with microcontroller family PMA 71xx for 315/434/868MHz and output power of 5/10dBm. LF receiver and ADC functionality are not supported.	PMAx110-315-5-USB-RF KIT PMAx110-434-5-USB-RF KIT PMAx110-868-10-USB-RF KIT  
 Wireless control transmitter kit	TDA 7110 TDA 7110F TDA 7116F Transmitter	Evaluation kit for the transmitter TDA 7110, TDA 7110F, TDA 7116F and receiver TDA 7210 or TDA 7210V for 434MHz or 868MHz and output power of 10dBm.	TDA7110-TDA7210_868_10 TDA7110F-TDA7210_434_10 TDA7110F-TDA7210V_434_10 TDA7116F-TDA7210V_868_10    
 CAN-LIN transceivers	TLE 6250G TLE 6251G TLE 6251DS TLE 8250 Transceiver	Basic control unit to generate CAN-, LIN- and FlexRay datastreams. Plug & play, ready to use system to build up complete CAN-, LIN-, and FlexRay networks. Additional software examples are provided to allow timing measurements and to verify signal integrity.	CAN-LIN Universal Demoboard   
 Wireless control transmitter board	TDA 5150 SmartLEWIS™ TX Transmitter	Evaluation board for the transmitter TDA 5150. Boards for 315/434/868/915MHz and output power of 5/10dBm available. The TDA 5150 system interface board (TDA 5150 SIB) is required for device evaluation together with the TDA 5150_X_X board.	TDA5150_315_5 board TDA5150_434_10 board TDA5150_434_5 board TDA5150_868_10 board TDA5150_915_10 board TDA5150 board TDA5150 SIB board    
 Wireless control transmitter USB-UWLink	TDA 5150 SmartLEWIS™ TX Transmitter	USB stick for the transmitter TDA 5150 for 315/434/868/915MHz and output power of 5/10dBm.	TDA5150-USB-UWLink    
 Wireless control transmitter kit	TDK 5100 Transmitter	Evaluation kit for the transmitter TDK 5100 and receiver TDA 5210/ TDA 5220 for 434/868MHz and output power of 5dBm.	TDK5100-TDA5220_434_5 TDK5100-TDA5210_868_5    

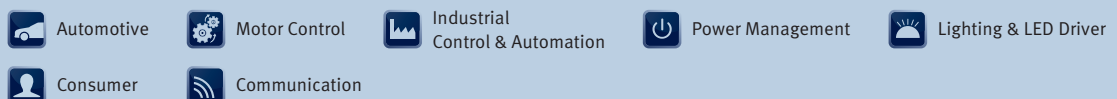


Board Name	Products	Description	Order No.
 Wireless control transmitter kit/board	TDK 5100F Transmitter	Evaluation kit for the transmitter TDK 5100F and receiver TDA 5220 for 434MHz. Evaluation board for the transmitter TDK 5100F for 434MHz and output power of 5dBm.	TDK5100F-TDA5220_434_5 TDK5100F_434_5 board 
 Wireless control transmitter kit	TDK 5101 Transmitter	Evaluation kit for the transmitter TDK 5101 and receiver TDA 5211/ TDA 5221 for 315MHz and output power of 5dBm.	TDK5101-TDA5211_315_5 TDK5101-TDA5221_315_5 
 Wireless control transmitter kit	TDK 5101F Transmitter	Evaluation kit for the transmitter TDK 5101F and receiver TDA 5221 for 315MHz and output power of 5dBm.	TDK5101F-TDA5221_315_5 
 Wireless control transmitter kit	TDK 5110 Transmitter	Evaluation kit for the transmitter TDK 5110 and receiver TDA 5220 for 434/868MHz and output power of 10dBm.	TDK5110-TDA5220_434_10 TDK5110-TDA5220_868_10 
 Wireless control kit/board	TDK 5110F Transmitter	Evaluation kit for the transmitter TDK 5110F and receiver TDA 5210 for 434MHz. Evaluation board for the transmitter TDK 5110F for 434MHz.	TDK5110F-TDA5210_434_10 TDK5110F_434_10 board 
 Wireless control transmitter kit	TDK 5111 Transmitter	Evaluation kit for the transmitter TDK 5111 and receiver TDA 5221 for 315MHz and output power of 10dBm.	TDK5111-TDA5221_315_10 
 Wireless control transmitter kit	TDK 5111F Transmitter	Evaluation kit for the transmitter TDK 5111F and receiver TDA 5211 for 315MHz and output power 10dBm.	TDK 5111F-TDA5211_315_10 
 Wireless control transmitter kit	TDK 5116F Transmitter	Evaluation kit for the transmitter TDK 5116F and receiver TDA 5220 for 868MHz and output power of 10dBm.	TDK5116F-TDA5220_868_10 
 Wireless control transmitter kit	TDA 7100 Transmitter	Evaluation kit for the transmitter TDA 7100 and receiver TDA 7200 for 434MHz and output power of 5dBm.	TDA7100-TDA7200_434_5 
 Wireless control transmitter kit	TDA 5102 Transmitter	Evaluation kit for the transmitter TDA 5102 and receiver TDA 5212 for 915MHz and output power of 5dBm.	TDA5102-TDA5212_915_5 
 Wireless control kit	TDA 5210 Receiver	Evaluation kit for the receiver TDA 5210 and transmitter TDK 5100/TDK 5110F for 434/868MHz.	TDK5100-TDA5210_868_5 TDK5110F- TDA5210_434_10 
 Wireless control kit	TDA 5211 Receiver	Evaluation kit for the receiver TDA 5211 and transmitter TDK 5101/TDK 5111F for 315MHz.	TDK5101-TDA5211_315_5 TDK 5111F-TDA5211_315_10 





Board Name	Products	Description	Order No.
 Wireless control receiver kit	TDA 5212 Receiver	Evaluation kit for the receiver TDA 5212 and transmitter TDA 5102 for 915MHz.	TDA5102-TDA5212_915_5 
 Wireless control receiver kit	TDA 5220 Receiver	Evaluation kit for the receiver TDA 5220 and transmitter TDK 5100/TKD 5100F/TKD 5110/TKD 5116F for 434/868MHz.	TDK5100-TDA5220_434_5 TDK5100F-TDA5220_434_5 TDK5110-TDA5220_434_10 TDK5110-TDA5220_868_10 TDK5116F-TDA5220_868_10 
 Wireless control receiver kit	TDA 5221 Receiver	Evaluation kit for the receiver TDA 5221 and transmitter TDK 5101/TKD 5101F/TKD 5111 for 315MHz.	TDK5101-TDA5221_315_5 TDK5101F-TDA5221_315_5 TDK5111-TDA5221_315_10 
 Wireless control receiver USB-UWLink	TDA 5230 SmartLEWIS™ RX receiver	USB stick incl. RF daughterboard for the receiver TDA 5230 for 434MHz.	TDA5230-434-USB-UWLink 
 Wireless control receiver board	TDA 5230 TDA 5231 SmartLEWIS™ RX receiver	Evaluation board for the receiver TDA 5230 and TDA 5231 for 315, 434 and 868MHz.	TDA5230_434_5_board TDA5230_868_5_board TDA5231_315_5_board 
 Wireless control receiver kit	TDA 7200 Receiver	Evaluation kit for the receiver TDA 7200 and transmitter TDA 7100 for 434MHz.	TDA7100-TDA7200_434_5 
 Wireless control receiver kit	TDA 7210 Receiver	Evaluation kit for the receiver TDA 7210 and transmitter TDA 7110 for 868MHz.	TDA7110-TDA7210_868_10 
 Wireless control receiver kit	TDA 7210V Receiver	Evaluation kit for the receiver TDA 7210V for 434MHz/868MHz frequency bands in a tiny VQFN package. The kit contains a TDA 7110F or TDA 7116F transmitter for test purposes.	TDA7110F-TDA7210V_434_10 TDA7116F-TDA7210V_868_10 PMAfob_TDA7210V_434_Kit 
 Wireless control transceiver kit	TDA 5250 TDA 5251 TDA 5252 TDA 5255 Transceiver	Evaluation kit for the transceiver TDA 525x for 315, 434, 868 and 915MHz.	TDA5250-TDA5250_868 Kit TDA5251-TDA5251_315 Kit TDA5252-TDA5252_915 Kit TDA5255-TDA5255_434 Kit 
 Wireless control receiver kit	TDA 5225 TDA 5235 TDA 5240 SmartLEWIS™ Receiver	Evaluation kit for TDA 52XX receiver for 314, 434, 868 and 915MHz. For complete kit a SmartLEWIS™_SiB Board is required.	TDA XXXX_315_5_Board TDA XXXX_434_5_Board TDA XXXX_868_5_Board TDA XXXX_915_5_Board XXXX = 5225, 5235, 5240 SmartLEWIS_SiB Board 
 Wireless control transceiver kit	TDA 7255V Transceiver	Evaluation kit for TDA 7255V transceiver in a tiny VQFN package. The kit contains a pair of TDA 7255V-UWLink combos (extension board plus mainboard) to establish a bidirectional wireless link.	TDA7255V-TDA7255V_434_10 



Ask Infineon – Infineon Hotline-Service at your fingertips. Where you need it. When you need it.

Infineon offers its toll-free 0800 service hotline as one central number, available 24 / 7 in English and German.

Our global connection service goes way beyond standard operating and switchboard services by offering qualified support on the phone. Call us!

- Germany 0800 951 951 951
- USA 1866 951 9519
- International 00 800 951 951 951
- Direct access +49 89 234-0 (interconnection fee)

Where to Buy Infineon Distribution Partners and Sales Offices

Please use our location finder to get in contact with your nearest Infineon distributor or sales office.

www.infineon.com/WhereToBuy

Infineon Technologies – innovative semiconductor solutions for energy efficiency, mobility and security.



Published by
Infineon Technologies AG
85579 Neubiberg, Germany

© 2011 Infineon Technologies AG.
All Rights Reserved.

Visit us:
www.infineon.com

Order Number: B192-H9214-G4-X-7600
Date: 05 / 2011

ATTENTION PLEASE!

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics ("Beschaffenheitsgarantie"). With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

INFORMATION

For further information on technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies Office (www.infineon.com).

WARNINGS

Due to technical requirements components may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies Office. Infineon Technologies Components may only be used in life-support devices or systems with the express written approval of Infineon Technologies, if a failure of such components can reasonably be expected to cause the failure of that life-support device or system, or to affect the safety or effectiveness of that device or system. Life support devices or systems are intended to be implanted in the human body, or to support and/or maintain and sustain and/or protect human life. If they fail, it is reasonable to assume that the health of the user or other persons may be endangered.