

Automotive

Report No	Report Title	Report Type	Brochure
LT-7-1	Toyota Prius ZVW51 Battery Monitor System Analysis Report	Circuit	https://www.itecusa.com/prius
LT-7-2	Toyota Prius ZVW51 Battery Monitor ASIC Analysis Report	Circuit	https://www.itecusa.com/prius
LT-7-3		Structure	https://www.itecusa.com/prius
LT-7-4	Volkswagen Golf 12V LiB Battery Monitor System Analysis Report	Circuit	Please contact to info@itecusa.com
LT-7-5	Tesla Model3 Battery Monitor System Analysis Report	Circuit	https://www.itecusa.com/teslabms
LT-7-9	Mercedes S450 BMS PCB analysis report	Teardown	https://www.itecusa.com/benzs450
LT-7-10	TOYOTA Yaris(HV) BMS teardown report	Teardown	Please contact to info@itecusa.com
LT-7-6	BYD YUAN EV360 BMS control board circuit analysis reports	Circuit	https://www.itecusa.com/byd-bms
LT-7-7	BYD YUAN EV360 BMS Cell monitor board circuit analysis reports	Circuit	https://www.itecusa.com/byd-bms
LT-7-8	BYD YUAN EV360 BMS Communication board circuit analysis reports	Circuit	https://www.itecusa.com/byd-bms
LT-7-11	HONDA FIT(HEV) BMS Teardown report	Teardown	Please contact to info@itecusa.com

LT-8-1	Toyota Prius ZVW51 DC-DC Converter Analysis Report	Circuit	https://www.itecusa.com/prius
LT-8-2	Nissan X-TRAIL DC-DC Converter Analysis Report	Circuit	https://www.itecusa.com/nissan-xtrail
LT-8-3		Thermal Performance	https://www.itecusa.com/xtrail-thermal
LT-8-4	Honda Fit DC-DC Converter Analysis Report	Circuit	https://www.itecusa.com/shindengen-dcdc
LT-8-5	Honda Shuttle Hybrid DC-DC Converter Analysis Report	Circuit	https://www.itecusa.com/fit-dcdc-sumitomo
LT-8-6	Honda Fit TDK DC-DC Converter Analysis Report	Circuit	https://www.itecusa.com/fit-tdk
LT-8-7	Honda Accord Hybrid DC-DC Converter Analysis Report	Circuit	Please contact to info@itecusa.com
LT-8-8	Audi SQ7 48V-12V DC-DC Converter Analysis Report	Circuit	https://www.itecusa.com/audi-dcdc
LT-8-9	Toyota Camry DC-DC Converter Analysis Report	Circuit	Please contact to info@itecusa.com
LT-8-10	Toyota Yaris DC-DC Converter circuit analysis report	Circuit	https://www.itecusa.com/yaris-dcdc
LT-8-11	HONDA FIT(HEV) DCDC circuit analysis report	Circuit	Please contact to info@itecusa.com

LT-9-1	Toyota Prius ZVW51 Front Inverter Analysis Report	Circuit	https://www.itecusa.com/prius
LT-9-3	Toyota Prius ZVW51 DC-AC Inverter Analysis Report	Circuit	https://www.itecusa.com/prius
LT-9-2	Honda FREED Inverter Analysis Report	Circuit	Please contact to info@itecusa.com
LT-9-4	Tesla Model 3 Inverter Analysis Report	Circuit	Please contact to info@itecusa.com
LT-9-5	GM Chevrolet Bolt EV Inverter Analysis Report	Circuit	https://www.itecusa.com/bolt
LT-9-6	Delphi's PHEV inverter used in Chinese car maker's vehicle teardown report	Teardown	https://www.itecusa.com/delphi-powercard-1
LT-9-6	Delphi's PHEV inverter used in Chinese car maker's vehicle structure analysis report	Structure	https://www.itecusa.com/delphi-powercard-1
LT-9-7	Zhuohai Empower's Inverter teradwon report	Teardown	https://www.itecusa.com/zhuohai-inverter-1
LT-9-8	Guangzhou Automobile Aion-S Inverter Analysis Report	Teardown	https://www.itecusa.com/lt-9-8-aion-1
LT-9-9		Circuit	https://www.itecusa.com/lt-9-8-aion-1
LT-9-10	Audi eTron Hitachi Inverter Teardown reports	Teardown	https://www.itecusa.com/lt-9-9-11-audi-etron
LT-9-11	Audi eTron Hitachi Inverter control board circuit analysis reports	Circuit	https://www.itecusa.com/lt-9-9-11-audi-etron
LT-9-12	Audi eTron Hitachi Inverter Gate driver circuit analysis reports	Circuit	https://www.itecusa.com/lt-9-9-11-audi-etron
LT-9-13	Jaguar I-Pace (BEV) Continental inverter Teardown report	Teardown	https://www.itecusa.com/lt-9-13-15-jaguar-inverter
LT-9-14	Jaguar I-Pace (BEV) Continental Inverter IGBT board circuit analysis report	Circuit	https://www.itecusa.com/lt-9-13-15-jaguar-inverter
LT-9-15	Jaguar I-Pace (BEV) Continental Inverter control board circuit analysis report	Circuit	https://www.itecusa.com/lt-9-13-15-jaguar-inverter
LT-9-16	TOYOTA Yaris(HV) PCU teardown report	Teardown	Please contact to info@itecusa.com
LT-9-17	TOYOTA Yaris(HV) DC-AC Inverter Teardown report	Teardown	Please contact to info@itecusa.com
LT-9-18	HONDA FIT(HEV) PCU Teardown report	Teardown	Please contact to info@itecusa.com
LT-9-19	HONDA FIT(HEV) PCU Inverter board circuit analysis report	Circuit	Please contact to info@itecusa.com

LT-10-1	Toyota Prius PHV ZVW52 On Board Charger Analysis Report	Circuit	https://www.itecusa.com/toyota-obc
LT-10-2	VOLVO V60 PHV On Board Charger Analysis Report	Circuit	https://www.itecusa.com/volvo
LT-10-3	Great Wall ORA HANGZHOUVEV-TECH OBC Analysis Report	Teardown	https://www.itecusa.com/hangzhouev-tech-obc-teardown
LT-10-4		Circuit	https://www.itecusa.com/hangzhouev-tech-obc-circuit

LT-11-1	YUBEI Brushless EPS Analysis Report	Circuit	Please contact to info@itecusa.com
LT-11-2	Audi A8 LiDAR Analysis Report	Circuit	https://www.itecusa.com/a8lidar
LT-11-3	Nissan Serena ProPILOT Camera Module Analysis Report	Circuit	https://www.itecusa.com/nissan-serena
LT-11-4	Nissan Serena ProPILOT ADAS-ECU Analysis Report	Circuit	https://www.itecusa.com/nissan-serena
LT-11-5	Volkswagen Q-Diode Analysis Report	Circuit	Please contact to info@itecusa.com
LT-11-6	Suzuki Wagon R Mild Hybrid Battery Cell Monitor System Analysis Report	Circuit	https://www.itecusa.com/wagon-r
LT-11-7	Honda Clarity SiC Power Module Gate Driver Analysis Report	Circuit	Please contact to info@itecusa.com

Power Device

Report No	Report Title	Report Type	Brochure
LT-1-1	Panasonic GaN Power Device(PGA26C09DV) Analysis Report	Structure	https://www.lteccusa.com/lt-1-1
LT-1-2	Panasonic GaN Power Device(PGA26E19BA) Analysis Report	Structure	https://www.lteccusa.com/panagan-26e19
LT-1-3		Package	
LT-1-4		Process	
LT-1-5		ESD protection element	
LT-1-6	Infineon GaN Power Device(IGT60R190D1S) Analysis Report	Structure	Please contact to info@lteccusa.com
LT-1-7	Transphorm GaN FET (TPH3207WS) Analysis Report	Process	https://www.lteccusa.com/transphorm650
LT-1-8		Structure	
LT-1-9	Transphorm GaN FET (TP90H180PS) Analysis Report	Structure	Please contact to info@lteccusa.com
LT-1-10	Navitas GaN MOSFET Power IC (NV6117&NV6115) Analysis Report	Structure	https://www.lteccusa.com/navitas611x
LT-1-11	Navitas GaN MOSFET Power IC (NV6117) Analysis Report	Circuit	https://www.lteccusa.com/navitas6117
LT-1-12	GaN Systems GaN Power Transistor (GS61008T-E01-MR) Analysis Report	Structure	https://www.lteccusa.com/lt-1-12
LT-1-13		Process	
LT-2-1	Rohm SiC Power Module (BSM180D12P3C007) Analysis Report	Structure	https://www.lteccusa.com/rohm-sic
LT-2-2	Rohm SiC MOSFET (SCT3080KLHRC11) Analysis Report	Short Circuit Robustness	https://www.lteccusa.com/rhom-sct3080hlhr
LT-2-3	Rohm SiC MOSFET (SCT2080KE) Analysis Report	Thermal impedance Zth Modeling	Please contact to info@lteccusa.com
LT-2-4	Rohm SiC MOSFET (SCT3080KL) Analysis Report	Thermal impedance Zth Modeling	Please contact to info@lteccusa.com
LT-2-5	Cree(Wolfspeed) SiC MOSFET (C3M0065090D) Analysis Report	Structure	https://www.lteccusa.com/cree900-3rd
LT-2-6		Process	
LT-2-7	Cree(Wolfspeed) SiC Power Module (CAS325M12HM2) Analysis Report	Structure	https://www.lteccusa.com/cree-pmodule
LT-2-8	Wolfspeed SiC MOSFET (E3M0065090) Analysis Report	Short Circuit Robustness	https://www.lteccusa.com/wolfspeed-sic-2
LT-2-9	Wolfspeed SiC MOSFET (C3M0075120K) Analysis Report	Structure	https://www.lteccusa.com/wolfspeed1200
LT-2-10		Process	
LT-2-11		Short Circuit Robustness	https://www.lteccusa.com/wolf3m
LT-2-12	Infineon CoolSiC MOSFET (FF11MR12W1M1_B11) Analysis Report	Structure	https://www.lteccusa.com/infineon-coolsic
LT-2-13		Process	
LT-2-14	Infineon SiC MOSFET (IMW120R045M1XKSA1) Analysis Report	Short Circuit Robustness	https://www.lteccusa.com/infineon-imw120r045m1
LT-2-15		Thermal impedance Zth Modeling	
LT-2-16	Microsemi SiC MOSFET (APT805M120B) Analysis Report	Structure	https://www.lteccusa.com/microsemi-sic
LT-2-17		Process	
LT-2-18	Microsemi SiC MOSFET (MSC0405MA120B) Analysis Report	Structure	Please contact to info@lteccusa.com
LT-2-19		Process	
LT-2-20	Littelfuse SiC MOSFET (LSIC1M0120E0080) Analysis Report	Structure	https://www.lteccusa.com/littelfuse-sic
LT-2-21		Process	
LT-2-22	Starpower SiC Module (MD300HFR120C2) Analysis Report	Structure	Please contact to info@lteccusa.com
LT-2-23	On Semiconductor SiC MOSFET(NVHL080N120SC1) Analysis Report	Structure	https://www.lteccusa.com/onsemi-sic-1
LT-2-24		Process	
LT-2-25		Short Circuit Robustness	https://www.lteccusa.com/on-semi-nvh080-sic-short
LT-2-26	Mitsubishi Electric SiC DIPIPM (PSF15S92F6) Analysis Report	Structure	https://www.lteccusa.com/dipipm
LT-2-27		Process	
LT-2-28	Infineon SiC-JFET (IUW120R100T1) Analysis Report	Structure	https://www.lteccusa.com/sic-jfet
LT-2-29		Process	
LT-2-30	United Sic SiC-JFET(UJN1205K) Analysis Report	Structure	Please contact to info@lteccusa.com
LT-2-31		Process	
LT-2-32	Toshiba SiC MOSFET(TW070J120B) analysis report	Structure	LT-2-32-33 Toshiba SiC ltec-usa (lteccusa.com)
		Process	LT-2-32-33 Toshiba SiC ltec-usa (lteccusa.com)
		Short Circuit Robustness	LT-2-32-33 Toshiba SiC ltec-usa (lteccusa.com)
LT-3-1	Infineon PrimePACK IGBT Module (FF1200R12IE5) Analysis Report	Structure	https://www.lteccusa.com/igbt5
LT-3-2		Process	
LT-3-3	Infineon IGBT6 (IKQ75N120CS6XKSA1) Analysis Report	Structure	https://www.lteccusa.com/igbt6
LT-3-4		Process	
LT-3-5	Infineon IGBT7 (TRENCHSTOP IGBT7) Analysis Report	Structure	https://www.lteccusa.com/infiigbt7
LT-3-6		Process	
LT-3-7	Fuji Electric IGBT Module (6MBI800XV-075V-01) Analysis Report	Structure (Module)	https://www.lteccusa.com/fujielectricigbt
LT-3-8		Structure (Die)	
LT-3-9		Process	
LT-4-1	ST Micro electronics SiC Power Module for Tesla Model3 motor inverter Analysis Report	Structure	https://www.lteccusa.com/tesla-stmsic
LT-4-2	Rohm SiC Module for Honda Clarity Analysis Report	Structure	Please contact to info@lteccusa.com
LT-4-3		Process	
LT-4-4	Infineon 6 in 1 Power Module for Hyundai Ioniq PHEV Analysis Report	Structure	https://www.lteccusa.com/infineon-pm-1
LT-4-5	Infineon 2 in 1 Power Module for Hyundai Ioniq PHEV Analysis Report	Structure	Please contact to info@lteccusa.com
LT-4-6	IGBT Module for Audi eTron55 Quattro Analysis Report	Structure	Please contact to info@lteccusa.com
LT-4-7	Semikron IGBT Module for BYD EV500 Analysis Report	Structure	Please contact to info@lteccusa.com
LT-4-8	Delphi Power Card for Geely Automobile Bo Rui PHEV Analysis Report	Structure	Please contact to info@lteccusa.com
LT-4-9	Denso Power Card for Toyota Mirai FC convertor structure analysis report	Structure	Please contact to info@lteccusa.com
LT-5-1	ST Micro electronics Power Package Analysis Report	Structure	Please contact to info@lteccusa.com
LT-5-2	United Sic Si MOSFET (UJC1206K) Analysis Report	Structure	Please contact to info@lteccusa.com
LT-5-3		Process	
LT-5-4	IXYS Si MOSFET(IXFN70N120SK) Analysis Report	Structure	Please contact to info@lteccusa.com
LT-5-5		Process	
LT-5-6	Denso Power Card for Toyota Yaris structure analysis report	Structure	https://www.lteccusa.com/yaris-dcdc
LT-5-7	Infineon Power MOSFET(IAUT300N8S5N012ATMA2) 80V 300A structure analysis report	Structure	Please contact to info@lteccusa.com
LT-5-8	On semi Power MOSFET(NVBLS1DN08H) 80V 350A structure analysis report	Structure	Please contact to info@lteccusa.com
LT-6-1	1200V SiC MOSFET Technology Benchmark Report	Benchmark	https://www.lteccusa.com/1200
LT-6-2	1200V SiC MOSFET Short-Circuit Robustness Benchmark Report	Benchmark	https://www.lteccusa.com/1200v-sic-benchmark
LT-6-3	Manufacturers Status Survey of Japanese Automakers and SiC MOSFETs & Si IGBTs	Benchmark	https://www.lteccusa.com/lt-6-3-market-survey-automotive