



## Power ICs Article Archive (By Issue)

*Power IC News Sponsored by Renesas*

This document is a list of the power IC articles published in the How2Power Today newsletter. Products listed here include

- Power supply controllers
- Gate drivers
- Linear regulators
- Switching regulators and
- Point-of-load dc-dc converters
- Battery charger and battery management ICs
- ORing controllers
- LED drivers
- Wireless charging ICs

While most are monolithic semiconductor devices, some may be multi-chip modules or modules that copackage chips and magnetics or passives—the commonality is that all these products are housed in IC style packages. Integrated circuits using hybrid construction or open-frame PCB construction are generally not included here.

Products are listed here using the following format:

### **Issue date:**

Article title, Part number/product name

[For more details...](#)(link to article)

For articles on discrete power semiconductors and modules, see the Discrete Power Semis and Modules Archive. For more on point of-load regulators and dc-dc converters, including hybrid and pc-board-based devices, see the Board-Mounted Power Converter Article Archive.

### **January 2020:**

***Photocouplers Shrink Designs For Industrial Automation And Solar Inverters, Renesas' RV1S92xxA and RV1S22xxA photocouplers***

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**PMIC Powers Application-Processor-Based Systems**, STMicroelectronics' STPMIC1 power-management IC

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### February 2020:

**Highly Robust Gate Drivers Achieve AEC-Q100 Automotive Qualification**, Power Integrations' SID1181KQ SCALE-iDriver gate driver

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**PMIC For Automotive Surround View Camera Systems**, Renesas Electronics' ISL78083 automotive camera PMIC

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**Rad Hard Regulator Integrates Synchronous Buck And LDO For Satellites**, Renesas Electronics' ISL70005SEH synchronous buck and low dropout regulator

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### March 2020:

**40-A Buck Converter IC Is Stackable Up to 160 A**, Texas Instruments' TPS546D24A 40-A buck converter

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### April 2020:

**What We Missed At APEC: Silicon Carbide Marches On And Other Power Product News**, Power Integrations' PowiGaN, SiC SCALE iDriver gate driver, BRD 1167/1267 bridge switch motor driver ICs; Rohm Semiconductor's BM6112 isolated gate driver; Infineon Technologies' IR3887M, IR3888M and IR3889M OptiMOS iPOL regulators with Fast COT; the FOD8334, NCD57000 and NCP51530 gate drivers; Texas Instruments' TPS546D24A 40-A stackable buck converter, the TPSM53604 36-V input, 4-A output buck power module, the UCC12050/40 500-mW isolated dc-dc power supply; Efficient Power Conversion's EPC2152 80-V, 12.5-A power stage IC (driver plus eGaN FET half-bridge).

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**Low-Cost ICs Provide Advanced Velocity Control Of Servo Motors**, Performance Motion Devices' Juno Velocity Control ICs

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**Synchronous-Rectification Controller Cuts BOM Costs For Power Adapters,**  
*STMicroelectronics' SRK1001 secondary-side synchronous-rectification controller*  
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### May 2020:

**GaN Power Switch Increases Output Of Display PSUs To 75 W,**  
*Power Integrations' InnoSwitch3-MX isolated switcher IC family*  
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**PMIC Cuts Solution Size, Extends Battery Life For Wearables And  
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*Maxim Integrated Products' MAX77654 power management IC*  
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**ACF Controllers Push Power Adapters To Higher Efficiency Using Silicon  
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*Silanna Semiconductor's SZ1110 and SZ1130 active-clamp flyback  
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**Flexible And Rugged Controller Simplifies Power For Smart Devices,**  
*STMicroelectronics' VIPer222 controller for high-voltage converters*  
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### June 2020:

**Automotive LED Driver Ensures Stable Lighting During Battery Voltage  
Drops,**  
*ROHM Semiconductor's BD18336NUF-M LED driver IC*  
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**Thermally Efficient PFC Controller IC Enables 100-W Adapters With No  
Heatsinks,**  
*Power Integrations' HiperPFS-4 ICs*  
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**Outer Loop Control ICs For Brushless DC And DC Brush Motors,**  
*Performance Motion Devices' Juno Outer Loop Control ICs*  
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### July 2020:

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**Voltage Regulator ICs Take Monolithic Integration to Another Level,**  
*Empower Semiconductor's EP70xx Integrated Voltage Regulators*

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**Configurable Mixed-Signal IC Adds High-Voltage Capability For Driving Motors,**  
*Dialog Semiconductor's SLG47105 HV PAK IC*

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**100-V Half-Bridge MOSFET Drivers Offer Ruggedness And High Performance,**  
*Renesas Electronics' HIP2211 and HIP2210 half-bridge MOSFET drivers*

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**Switcher IC Powers EV Subsystems Directly From 400-Vdc Bus,**  
*Power Integrations' AEC-Q100-qualified version of its LinkSwitch-TN2 switcher IC*

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**SiC-Based Three-Phase Driver Module Delivers 80 A Peak, Is Fully Integrated,**  
*Apex Microtechnology's SA310 three-phase driver*

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**Dual-Channel Buck Converters Feature Low EMI And Stackable Outputs,**  
*Analog Devices' LT8650S, LT8652S and LT8653S Silent Switcher converter ICs*

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### August 2020:

**Switcher IC Eases Operation From High-Voltage EV Batteries,**  
*Power Integrations' InnoSwitch3-AQ flyback switcher IC*

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**Versatile LED Driver Powers A Host of Automotive Applications,**  
*Taiwan Semiconductor's TS19501 dimmable LED driver*

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**High-Speed Current Sensor With High Accuracy Supports Faster Switching Frequencies,**  
*Allegro MicroSystems' ACS37002 Hall-effect current sensor*

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**Buck-Boost Chargers Deliver Greater Power Density For USB And Wireless Dual-Input Charging,**  
*Texas Instruments' BQ25790 and BQ25792 buck-boost battery charger ICs*

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**Interleaved PFC Digital Power Controller Features Mechanical Inrush Control**, STMicroelectronics' STNRGPF02 two-channel interleaved PFC controller  
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### September 2020:

**Kit Speeds Design Of Rad Hard Power ICs And Other Mixed-Signal Chips**, Apogee Semiconductor's TalRad Process Design Kit  
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**Highly Integrated Automotive-Grade Buck Converters Power In-Cabin Electronics**, Dialog Semiconductor's DA913X-A dc-dc converters  
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**CMOS LED ICs Replace Legacy Bipolar Drivers**, Taiwan Semiconductor's TSCR4 linear CMOS LED driver ICs  
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### October 2020:

**Efficient GaN-Powered LED Drivers Target Smart-Lighting Designs**, Power Integrations' LYT6078C LED driver IC  
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**Buck-Boost Converter With Ultra-Low Quiescent Current Powers Sensors And Other Devices**, Renesas Electronics' ISL9122A buck-boost regulator  
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**Devices Copackage Silicon Half-Bridge Driver And 650-V GaN Transistors**, STMicroelectronics' MasterGaN1 GaN half bridge with integrated drivers  
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### November 2020:

**Power IC Shrinks Input Bulk Capacitor, Reduces Inrush Current**, Power Integrations' MinE-CAP power IC  
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**Isolated IGBT/SiC MOSFET Gate Driver Benefits HEV/EV Applications,** Texas Instruments' UCC5870-Q1 IGBT/SiC MOSFET gate driver

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**80-V DC-DC Controllers Provide Extra Voltage Margin For Data Center,** Telecom Applications, Renesas Electronics' ISL81801 and ISL81802 dc-dc controllers

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**Automotive GaN FET Includes Driver, Protection And Active Power Management,** Texas Instruments' LMG3522R030-Q1, LMG3525R030-Q1, LMG3422R050, LMG3425R050, LMG3422R030 and LMG3425R030 600-V and 650-V GaN FETs with integrated driver, protection and temperature reporting

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**Modules Protect 5-V And Lower Designs From Overvoltage,** Advanced Linear Devices' SABMBOVP family of overvoltage protection PCBs

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**Automotive Gate Drivers Target 48-V Battery Systems,** Allegro MicroSystems' AMT49100, AMT49101, AMT49502, A89503 and the A89500 three-phase and half-bridge gate drivers

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### December 2020:

**Automotive-Qualified High-Side Switch ICs With User-Definable Protection,** ROHM's V2HD045EFU-C, BV2HC045EFU-C and BV2HD070EFU-C two-channel high-side switch ICs

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**Buck Regulators Deliver High Efficiency, Small Size For USB-PD Applications,** Silanna Semiconductor's SZPL3102A/3103A dc-dc converters

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**Low-Noise Buck Converters With Ferrite-Bead Compensation Eliminate LDOs,** Texas Instruments' TPS62912 and TPS62913 switching regulators

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**LED Drivers Come In DFN With Side-Wettable Flanks,** Nexperia's NCR32xPAS/NCR42xPAS LED driver ICs

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### January 2019:

**Receiver Chip Enables Wireless Charging In Smaller Devices**, Energous' DA2223 four-port RF-to-dc wireless power chip

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**Energy-Harvesting Embedded Controller May Eliminate Batteries In IoT Devices**, Renesas' R7F0E embedded controller

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### February 2019:

**Buck Regulators Deliver Compact Solutions For Powering Next-Gen Chipsets**, Alpha and Omega Semiconductor's AOZ2367QI and AOZ2368QI EZBuck regulators

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### March 2019:

**SiC-MOSFET Gate Driver Improves Efficiency And Safety**, Power Integrations' SIC1182K SCALE-iDriver SiC-MOSFET gate driver

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**PMIC Supports Thermal Energy Harvesting With Low-Voltage Startup**, e-peas' AEM20940 power management IC

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### April 2019:

**6-A Buck Converter Achieves Tiny Size, High Efficiency Using Novel Architecture**, Murata Manufacturing's MYMGA1R86RELC2RA dc-dc converter

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**Gate Driver Uses AI To Bring Soft Switching Benefits To Inverters**, Pre-Switch's 3-phase gate-drive solution

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**Chipset Makes Flybacks More Efficient In Powering Displays**, Power Integrations' InnoMux chipset

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**Regulator Uses Less Power, Fewer Parts Than Conventional Cap-Drop Designs,** Texas Instruments' TPS7A78 ac-dc linear regulator

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**PMBus Power Modules Deliver High Power Density For FPGAs, DSPs, ASICs And Memory,** Renesas Electronics' ISL8280M and ISL8282M hybrid digital dc-dc PMBus power modules

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**1000-A Voltage Regulator Solution For Next-Gen AI And 5G Networking,** Infineon Technologies' XDPE132G5C digital PWM multiphase controller and TDA21475 70-A power stage

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**Regulated LED Driver For Automotive Applications,** Taiwan Semiconductor's TSCR421 low-side constant-current regulator

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**Isolated ICs Ensure Precise Current And Voltage Measurements,** Silicon Labs' Si89xx family of isolated analog amplifiers, voltage sensors and delta-sigma modulator devices

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### May 2019:

**AC-DC Converter ICs Add Built-In 1700-V SiC MOSFET For More Compact Designs,** ROHM Semiconductor's BM2SCQ12xT-LBZ series ac-dc converter ICs

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**Rad-Tolerant PWM Controller And GaN FET Driver Come In Plastic Packages For SmallSats,** Renesas Electronics' ISL71043M PWM controller and ISL71040M GaN FET driver

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**Fully Integrated Active Clamp Flyback Controller Extends Benefits To 60-W AC Adapters,** Silanna Semiconductor's SZ1105 active-clamp flyback controller

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**Isolated Gate Drivers Integrate Sensing For IGBTs And SiC MOSFETs,** Texas Instruments' UCC21710-Q1, UCC21732-Q1 and UCC21750 isolated gate drivers

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**Programmable Multi-Channel LDO Packs High PSRR And Low Noise For Powering Smart Phone Cameras,** Dialog Semiconductor's SLG51000 configurable mixed-signal integrated circuit

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**Smart Class D Amplifier Delivers Louder, Richer Sound From Micro Speakers,** Maxim Integrated Products' MAX98390 smart amplifier

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**Six-Channel Controller Improves Precision And Performance For Stepper Motors,** TRINAMIC Motion Control's TMC6214 motor controller and driver module

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### July 2019:

**80-V Buck LED Drivers Perform Highly Accurate Dimming,** Infineon Technologies' ILD8150/E LED driver ICs

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**Switching Regulator Operates With Input Up To 61 V,** STMicroelectronics' A7987 automotive switching regulator

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### August 2019:

**Offline Switcher ICs Adopt GaN For Higher Power Output And Efficiency,** Power Integrations' INN3X79C and INN3X70C offline switcher ICs

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**15-Mbps Photocouplers Withstand Harsh Industrial Applications,** Renesas' RV1S9x60A photocouplers

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**Regulator's Low Quiescent Current Extends Battery Life For IoT Devices,** Texas Instruments' TPS62840 synchronous stepdown converter

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**Configurable Mixed-Signal ICs Are Now Available For Automotive Applications,** Dialog Semiconductor's SLG46620-A Configurable Mixed-Signal IC

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### September 2019:

**Battery Management IC Maximizes Cell Life And Driving Range For Hybrids And EVs**, Renesas Electronics' ISL78714 Li-ion battery management IC

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**Buck-Boost Converter Extends Battery Life For IoT, Wearable, And Portable Devices**, ROHM's BD83070GWL synchronous buck-boost converter IC

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**X-Capacitor Discharge ICs Enable Faster Discharge**, Power Integrations' CAPZero-3 X-capacitor discharge ICs

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**Charger's Low Termination Current Increases Battery Capacity**, Texas Instruments' BQ25619 switching battery charger IC

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**ICs Simplify USB Type-C Power Delivery, Enable HostFlexing And PDBalancing**, Microchip Technology's USB705x SmartHub devices with support for power delivery and UPD301A USB type-C PD controller

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**Power Amplifier IC Delivers High Voltage And High Current**, Apex Microtechnology's PA164 high-voltage operational amplifier

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### October 2019:

**Backlight LED Driver Is Compatible With 3- To 12-in. Vehicle LCD Panels**, ROHM Semiconductor's BD81A76EFV-M LED driver IC

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**Silent Motor Controller Enables Battery-Powered Stepper Motors To Run in Stealth Mode**, TRINAMIC's TMC2300 motor driver IC

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**POLs Increase Efficiency For Server, Networking And Telecom Applications**, Infineon Technologies' OptiMOS IR3826(A)M integrated point-of-load regulators

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**Tiny LDO Cuts Quiescent Current To <25 nA**, Texas Instruments' TPS7A02 low-power low-dropout regulator

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### November 2019:

**PoE Products Ease Powering Of Pre-standard And 802.3bt-2018-Compliant PDs**, Microchip Technology's IEEE 802.3bt-2018-compliant PoE injectors and midspans and power sourcing equipment (PSE) chipsets including the PD69208M, PD69204T4 and PD69208T4 PSE managers and PD69210 PoE controller  
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**LED Drivers Support Dynamic Automotive Lighting From Front To Rear**, Texas Instruments' TPS92520-Q1, TPS92682-Q1 and TPS929120-Q1 LED drivers  
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### January 2018:

**Dual-Mode Battery Charge ICs Enable Simultaneous USB PD And Wireless Charging**, ROHM's BD99954GW/MWV dual-input boost-buck charging ICs  
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### February 2018:

**Rad-Hard GaN Devices Propel Space Power Supplies To Higher Performance**, Renesas Electronics' ISL7002xSEH GaN FETs and ISL70040SEH GaN FET driver  
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**Fully Integrated Regulators Have PMBUS, SVID And PVID Functionality**, Infineon Technologies' IR38x63/5 integrated point-of-load regulators  
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**Buck Regulator Delivers High Current With High Power Density For 24-V Inputs**, Vicor's PI3325-00-LGIZ Cool-Power ZVS buck regulator  
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### March 2018:

**Dynamically Configurable Offline Switcher IC Supports USB PD 3.0 + PPS**, Power Integrations' InnoSwitch3-Pro configurable flyback switcher ICs  
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**DC-DC Converter Runs Up To 10 Years On Coin-Cell Battery**, ROHM Semiconductor's BD70522GUL dc-dc converter IC

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**GaN Power ICs Make Adapters Smaller, Support Fast Charging**, Navitas Semiconductor's 27-W and 65-W USB-PD reference designs

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**Feature Rich PoE Chips Power IP Cameras And Other IoT Applications**, Silicon Labs' Si3406x and Si3404 PoE powered device ICs

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### April 2018:

**4-V to 42-V Input Buck Regulators Occupy 2.6-mm x 3.0-mm Footprint**, Maxim Integrated Products' MAXM17532 and MAXM15462 dc-dc power modules

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**PWM Controller-MOSFETs Combo Enables Robust SMPS Designs Up To 43 W**, Infineon Technologies' CoolSET

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**Stepup Power Module Supports 48-V GPUs In Legacy 12-V Data Centers**, Vicor's 2317 NBM power module

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**LDO Packs High Performance In Tiny Footprint**, STMicroelectronics' STLQ020 low-dropout voltage regulator

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### May 2018:

**Power Supply ICs Are Honed For High-Fidelity Audio**, ROHM Semiconductor's BD372xx series linear regulators

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**PMICs Boast Better Efficiency And Solution Size For Powering Processors**, Renesas Electronics' ISL91302B, ISL91301A and ISL91301B power management ICs

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**USB Type-C Data Line Protection IC Responds To Overvoltages In 15 ns,**  
*Kinetic Technologies' KTU1101 USB type-C port protector*

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**400-V Linear Regulators Deliver Constant LED Current In Compact Packages,**  
*Diodes' AL5890 linear constant-current regulator*

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**"Deep Sleep" Load Switch Prevents Battery Discharge During Product Shipment,**  
*GLF Integrated Power's GLF76321 IQSmart load switch IC*

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### June 2018:

**LDOs Boast 98-dB PSRR, Benefitting Imaging And Wireless Applications,**  
*ON Semiconductor's NCP16x and NCV816x series LDOs*

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**Bidirectional Bus Converters Deliver 750 W For Data Center, Automotive Apps,**  
*Vicor's 2317 NBM, a bidirectional nonisolated fixed-ratio converter*

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### July 2018:

**Dual-Core Digital Signal Controller Eases Code Development By Separate Design Teams,**  
*Microchip Technology's dsPIC33CH digital signal controller*

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**Gate Driver Core Is Optimized For SiC MOSFET Modules,**  
*AgileSwitch's ASC1 SiC MOSFET gate driver core*

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### August 2018:

**EMI-Compliant Buck Converters Speed Time To Market,**  
*Maxim Integrated Products' CISPR 22- and EN 55022-compliant Himalaya stepdown converters and power modules*

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**Resonant Controller With PFC Targets Power Supplies And LED Drivers,** Infineon Technologies' ICL5102 resonant controller IC

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### September 2018:

**Half-Bridge Gate Driver IC Enhances Reliable Start-Up Operation,** Infineon Technologies' IRS2007S 200-V half-bridge gate-driver IC

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**PMICs Power Next-Generation Mobile Consumer Applications,** Maxim Integrated Products' MAX77714 and MAX77752 power-management ICs

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**Power Monitoring IC Measures AC And DC Power With High Accuracy,** Microchip Technology's MCP39F511A dual-mode power monitoring IC

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**48-V Input Buck Regulators Offer BGA Option,** Vicor's PI354x-00-BGIZ Cool-Power ZVS buck regulator

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### October 2018:

**Half H-Bridge Module Combines SiC MOSFETs with Integrated Gate Drive,** Apex Microtechnology's SA110 SiC half H-bridge module

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**Buck Converters Support Sensors And Cameras For Assisted Driving,** ROHM Semiconductor's BD9S series automotive synchronous buck converters

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**Buck-Boost Controllers Deliver True Bidirectional Power Conversion For Industrial Battery-Powered Applications,** Renesas Electronics' ISL81601 and ISL81401 bidirectional four-switch synchronous buck-boost controllers

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**Smart Switch Supports Fuel Savings In Automotive Power Trains,** Infineon Technology's TLE9104SH smart quad-channel powertrain switch

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**USB Type-C And USB Power Delivery Controllers Have Fully Integrated**

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**Power Paths**, Texas Instruments' TPS65987D and TPS65988 USB Type-C and USB PD controllers [For more details...](#)

**Digital Signal Controller Accelerates DSP Performance for Time-Critical Control Applications**, Microchip Technology's dsPIC33CK digital signal controllers [For more details...](#)

### November 2018:

**600-V GaN FET Power Stages Boost Performance For Applications Up To 10 kW**, Texas Instruments' LMG34x family of 600-V GaN power stages [For more details...](#)

**Automotive Buck-Boost Chipset Meets Demands Of Start-Stop Vehicle Systems**, Rohm's BD8P250MUF-C + BD90302NUF-C buck-boost chipset [For more details...](#)

**Rad Hard Current Sources For Sensing Subsystems In Satellites**, Renesas Electronics' ISL70591SEH and ISL70592SEH rad hard current sources [For more details...](#)

**Flyback Switcher ICs Bring High Efficiency To Three-Phase 480-V Industrial Applications**, Power Integrations' LinkSwitch-XT2 offline switcher ICs [For more details...](#)

**LDO's Miserly Iq Prolongs Battery Life While 1-mm<sup>2</sup> Footprint Saves Space**, Microchip Technology's MCP1811 linear low dropout regulator (LDO) [For more details...](#)

### December 2018:

**BLDC Motor Driver Eliminates Heatsinks, Slashes Certification Time For Appliance Designs**, Power Integrations' BridgeSwitch half-bridge motor driver IC family [For more details...](#)

**Buck/Boost Regulator Simplifies Power Backup Using Supercaps**, Maxim Integrated's MAX38888 reversible buck/boost regulator [For more details...](#)

**Half-Bridge Drivers Enhance Design Of 12-V to 48-V Automotive Hybrid Powertrains**, Renesas Electronics' ISL784x4 100-V half-bridge drivers [For more details...](#)

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**Isolated High-Side Power Switch Offers SPI And Many Other Features,** STMicroelectronics' ISO8200AQ isolated octal high-side smart power switch  
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**ORing FET Controller Protects Automotive Electrical Systems,** Maxim Integrated's MAX16141 36-V ORing FET controller  
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**Power IC Model Library For PSpice Adds Automotive Test,** From EMA Design Automation, ver.4.2 of AEi Systems' Power IC Model Library  
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**GaN Power ICs Enter The Market,** Navitas Semiconductor's NV6131, NV6105 and NV6115 iDrive Gallium Nitride power ICs  
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**Battery Charger Extends Backup Battery Life In Automotive eCall Systems,** Intersil's ISL78693 3.6-V battery charger IC  
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**Motor Driver IC Requires Only Four External Components,** Allegro MicroSystems Europe's A3916 motor driver IC  
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**Intelligent Power Modules Offer More Packages,** More Features For Appliances, STMicroelectronics' SLLIMM nano series of Intelligent Power Modules for motor drives  
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### March 2017:

**Inductorless Converter Delivers 10 A With Over 98% Efficiency,** Dialog Semiconductor's DA9313 switched-capacitor dc-dc converter  
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**48-V Buck Regulator Delivers 20 A In Less Than 740-mm<sup>2</sup> Footprint,** Vicor's PI3525-00-LGIZ 48-V Cool-Power ZVS buck regulator



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**Buck-Boost Controller Is Tailored To Dual Automotive Battery Systems,** Texas Instruments' LM5170-Q1 multiphase bidirectional dc-dc current controller.

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**Power IC Combines Fifth-Gen Flyback Controller With Latest MOSFETs,** Infineon Technologies's Gen5 CoolSET power ICs

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### May 2017:

**Buck Converter Optimizes DC Fan Motor Control For Refrigerators,** Rohm's BD9227F buck converter for dc fan motors

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**100-V Power Stage Module Satisfies Cloud Infrastructure Requirements,** ON Semiconductor's FDMF8811 100-V bridge power stage module

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**10-A Power Modules Provide Complete Stepdown Solutions In Tiny Footprints,** Texas Instruments' TPSM84A21 and TPSM84A22 stepdown power modules

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**PMIC Increases Power Efficiency For Digital SLR Cameras,** Dialog Semiconductor's DA6102 integrated power management IC

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**LED Driver ICs Combine High Efficiency, Small Size,** Peregrine Semiconductor's ARC3C family of LED driver ICs

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### June 2017:

**A New Power Management Tool For Portable Product Designers,** Silego Technology's SLG46580 GreenPAK programmable mixed-signal IC

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**Power Management IC Is 91% Efficient, Reduces Space Needs 40%, Intersil's ISL91211 PMIC**

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**Stepdown Converters Cut Power Dissipation And Size For Industrial Applications, Maxim Integrated's MAX17572 and MAX17574 Himalaya synchronous stepdown dc-dc converters**

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**Synchronous Rectifier Controller Eases Power System Design, ON Semiconductor's FAN6248 synchronous rectifier controller for LLC resonant converters**

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### July 2017:

**GaN Power ICs Enable Smallest Power Adapters For Ultra-Thin TVs And Laptops, Navitas Semiconductor's 150-W ac-dc reference design using GaN power ICs**

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### August 2017:

**PMICs Increase Battery Life In "Hearables", Maxim Integrated's MAX77650/MAX77651 power management ICs (PMICs)**

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**Smart Gate Driver Photocoupler Features Improved Desaturation Sensing, Toshiba America Electronic Components' TLP5214A smart gate driver photocoupler**

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### September 2017:

**Offline Flyback Switcher ICs Deliver 94% Efficiency Over Line And Load, Power Integrations' InnoSwitch3 family of offline flyback switcher ICs**

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- *Buck-Boost Battery Charge Controllers Maximize Input Power For 1S To 4S Applications, Texas Instruments' bq25703A and bq25700A synchronous charge controllers*
- *Eval Boards Ease Development Of USB PD Applications From Mobile To 100 W, Rohm's USB power delivery (USBPD) compatible transmitter/receiver evaluation boards*
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