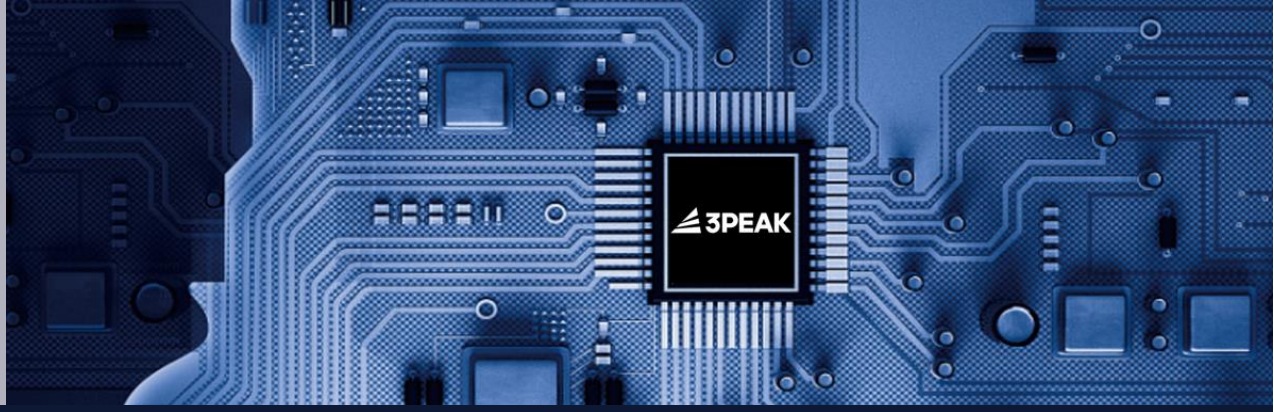


- Analog Signal Chain
- Power Management



TPL8035Q

Power Management - LDO

Available in EMSOP8, DFN3X3-8

Applications:

- Automotive Clusters & Infotainment
- Automotive Headlights & Interior Lighting
- Automotive Domain Control
- Automotive BCM and Door Handler

Related Parts: TPL803x Series

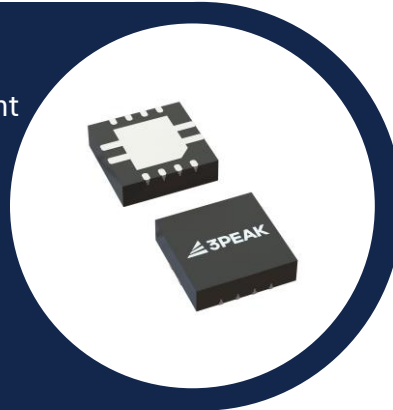
[Product Page](#) | [Datasheet](#)

Automotive 42V, 300mA LDO

3 μ A Ultra-low Quiescent & 400nA Shutdown Current

Features:

- Automotive AEC-Q100, Grade 1 Qualified
- 3V to 42V Wide Input Voltage Range
- $\pm 2\%$ Output Voltage Accuracy
- 300mA Maximum Load Current
- Integrated Over Current and Over Temperature Protection
- Low Dropout Voltage: 720mV @ 200mA Load Current



TPCMP252

Analog Signal Chain - Comparator

Available in MSOP8

Applications:

- Peak and Zero-Crossing Detectors
- Threshold Detectors/Discriminators
- Sensing at Ground or Supply Line
- Logic Level Shifting or Translation
- IR Receivers

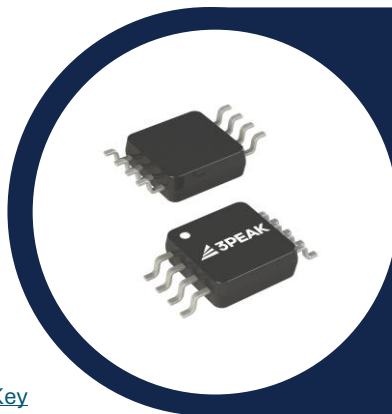
Related Parts: TPCMP251

5V, 120ns Low Power Comparator

Dual Channel, High Speed, Push-Pull Output

Features:

- Power Supply Voltage: 2.5 V to 5.5 V
- 120ns Propagation Delay
- Low Supply Current: 50 μ A/Channel
- Offset Voltage: ± 4 mV
- Push-Pull Output
- Internal input hysteresis ensures clean switching
- Common mode input voltage range extends 100mV beyond power rail



TPT3335

Analog Signal Chain - Interface

Available in SSOP28, TSSOP28,
QFN5X5-32, SOP28

Applications:

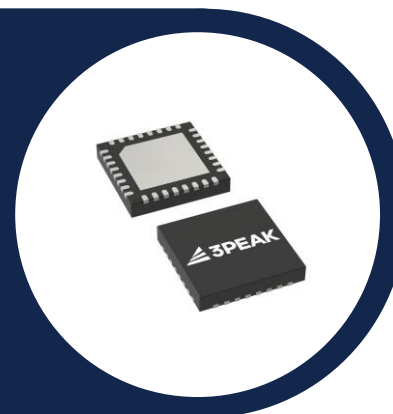
- Battery-Powered Equipment
- Industry Human Machine Interface
- Notebook, Computers
- Servers
- Printers

1Mbps Multi-Channel RS-232 TxRx

3V to 5.5V Powered, 1 μ A Standby Current

Features:

- Wide Power Supply Range: Single 3V to 5.5V
- Low Standby Current: 1 μ A typical
- Operates up to 1 Mbps
- Three Drivers & Five Receivers
- Only Needs Four External 0.1- μ F Capacitors
- ESD Protection for RS-232 Bus Pins:
 - ± 15 kV (HBM)
 - ± 12 kV (IEC61000-4-2, Contact Discharge)
 - ± 15 kV (IEC61000-4-2, Air-Gap Discharge)



[Product Page](#) | [Datasheet](#) | [Buy on DigiKey](#)

- Analog Signal Chain
- Power Management

TPQ50551Q

Nonsynchronous Boost, SEPIC, Flyback 2.2MHz Switching Freq, 2.1µA Low Shutdown

Features:

- Automotive AEC-Q100, Grade 1 Qualified
- 3.5V to 45V Operating Range
- 3V to 20V when BIAS = VCC
- 2.1µA Shutdown Current & 540µA Operating Current
- Programmable Switching Frequency from 100 kHz to 2.2 MHz
- ±1% Reference Voltage Accuracy
- Optional Spread-Spectrum to Reduce EMI



Power Management – Boost Converter

Available in DFN3X2-12

Applications:

- Automotive Start-Stop Application
- Multiple-output Flyback w/out Optocoupler
- Automotive LED Lighting Supply
- Portable Speaker
- General Boost, SEPIC, Flyback Applications

Related Parts: TPQ5055xQ Series

[Product Page](#) | [Datasheet](#)

Power Management – Current/Power Monitor

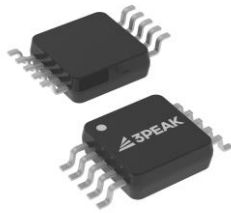
Available in MSOP10

TPA6271

Bi-Directional Current & Power Monitor Features up to 16 I2C Programmable Addresses

Features:

- Senses Bus Voltages from 0V to 120V
- High-Side or Low-Side Sensing
- Reports Current, Voltage, and Power
- Configurable Averaging Options
- 16 Programmable Addresses
- Operates from 2.7V to 5.5V Power Supply



Applications:

- Power Management
- Servers
- Telecom Equipment
- Computing
- Test Equipment

[Product Page](#) | [Datasheet](#)

TPL8556Q

42V, 500mA LDO with Watchdog 3V-42V Wide Vin & 6µA Low Iq Current

Features:

- Automotive AEC-Q100, Grade 1 Qualified
- Input Voltage: 4V to 42V, with 45V Transient
- Output Voltage: Fixed 5V and 3.3V
- ±2% Output Accuracy over Line & Load Regulation
- 500mA Maximum Output Current
- Low Dropout Voltage: 800mV maximum at 500mA Load Current
- Low Current Consumption: – 0.5µA Typical Shutdown Current
- 6µA Typical Quiescent Current
- Window and Standard Watchdog Configurable



Power Management - LDO

Available in ETSSOP28

Applications:

- Automotive Clusters and Infotainment
- Automotive BCM and HVAC System
- Automotive Electric Gear Shifter
- Automotive Battery Management System

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3PEAK Product Newsletter Part Summary:

Part Series	Product Description	Product Type	Quality Grade	Datasheet	Buy On DigiKey
TPL8032	IC REG LINEAR 3.3V 300mA	LDO	Industrial	Link	Link
TPR50	IC VREF SERIES 2.5V .05%	REF	Industrial	Link	Link
TPT1042	IC TRANSCEIVER 1/1	CAN	Automotive	Link	Link
TPA9151	IC VOLTAGE DIFFERENCE AMP	DIFF AMP	Industrial	Link	Link
TPC5180	IC ADC 18BIT 8 CH SAR	ADC	Industrial	Link	Link
TPQ05100	IC REG BOOST ADJ 600mA	BOOST	Industrial	Link	Link
TPL910Q	IC REG LINEAR ADJ 1A	LDO	Automotive	Link	Contact Sales
TPA8001	IC OPAMP ISOLATION 1 CIR	ISO AMP	Automotive	Link	Link
TPAFE411	IC HALL SENSOR AFE	HALL SENSOR	Industrial	Link	Link
TPT1021Q	IC TRANSCEIVER LIN	LIN	Automotive	Link	Link
TPA5581	IC OPAMP ZERO-DRIFT 1 CIR	OPA	Industrial	Link	Link
TPAFEA008	IC VOLTAGE/CURRENT DAC/ADC 4 CH	AFE	Industrial	Link	Link
TPR8601	RES ARRAY 4 RES 10K OHM	RES	Industrial	Link	Link
TPE15017	IC POE FLYBACK CONVERTER	POE DCDC	Industrial	Link	Link
TPA5511	IC OPAMP ZERO-DRIFT 1 CIR	OPA	Industrial	Link	Link
TPC5120Q	IC ADC 12BIT 16 CH SAR	ADC	Automotive	Link	Link
TPA2031Q	IC COMPARATOR GEN PUR 1	COMP	Automotive	Link	Link
TPH2861Q	IC OPAMP 8GHZ 1 CIR	OPA	Automotive	Link	Link
TPC5161	IC ADC 16BIT 8 CH SAR	ADC	Industrial	Link	Link
TPM8860	IC LOW SIDE DRIVER 48V	STEPPER	Industrial	Link	Link
TPT4032	IC RECEIVER 0/4	RS485	Industrial	Link	Link
TPA8101	IC DELTA-SIGMA MODULATOR	ISO AMP	Industrial	Link	Link
TPC2160	IC 16-BIT HIGH ACCURACY DAC	DAC	Industrial	Link	Link
TPM8803	IC LOW SIDE DRIVER 48V 3A	STEPPER	Industrial	Link	Contact Sales
TPA2296T	IC OPAMP CURRENT SENSE	CS AMP	Industrial	Link	Link
TPT1255	IC TRANSCEIVER CAN	CAN	Industrial	Link	Link
TPT7741F	DGTL ISO 3750VRMS 4CH	ISO	Industrial	Link	Link
TPP60506	IC DCDC STEP-DOWN CONVERTER	BUCK	Industrial	Link	Contact Sales
TPM23513	IC ISO HS DRIVER	ISO	Industrial	Link	Contact Sales
TPT3243	IC TRANSCEIVER 2/2	RS232	Industrial	Link	Link
TPT480	IC Transceiver 1/1 8-DFN	RS485	Industrial	Link	Link
TPA191	IC OPAMP Current Sense 1 CIR SC70	CSAMP	Industrial	Link	Link
TPS05P50	IC EFUSE SWITCH 10-DFN	EFUSE	Industrial	Link	Contact Sales
TPT1051	IC TRANSCEIVER CAN 8-DFN	CAN	Industrial	Link	Link
TPM6501A	IC TRANS DRIVER SOT23-5	STEPPER	Industrial	Link	Contact Sales
TPL8020	IC REG LINEAR 5V 200mA SOT23-5	HVLDO	Industrial	Link	Link
TPL9305-S	IC REG LINEAR ADJ 3A 20-QFN	HVLDO	Industrial	Link	Link
TPA1834	IC OPAMP 30V ZERO DRIFT	LVLDO	Industrial	Link	Contact Sales
TPS14P50	IC EFUSE SWITCH 10-DFN	HVOPA	Industrial	Link	Contact Sales
TPA2862	IC OPAMP 36V LOW NOISE	EFUSE	Industrial	Link	Link
TPC6240	IC 16-BIT PRECISION DELTA-SIGMA ADC	PADC	Industrial	Link	Link
TPA9361	IC VOLTAGE DIFFERENCE AMP 8-SOP	DIFFAMP	Industrial	Link	Link
TPA132Q	IC OPAMP Current Sense 1 Cir 8-SOP	CSAMP	Automotive	Link	Contact Sales
TPT1029Q	IC TRANSCEIVER LIN 8-DFN	LIN	Automotive	Link	Contact Sales

TPS65R01Q	IC CTRLR IDEAL DIODE SOT23-6	HSWAP	Industrial	Link	Contact Sales
TPP00031	IC REG BUCK 100V 300mA 8-DFN	HVBUCK	Industrial	Link	Link
TPCMP272	IC COMPARATOR HS 2 CIR 8-SOP	COMP	Industrial	Link	Link
TPA9363	IC VOLTAGE DIFFERENCE AMP 8-SOP	DIFFAMP	Industrial	Link	Link
TPL8035Q	IC REG LINEAR 42V 300mA Low Iq 8-DFN	HVLDO	Automotive	Link	Available soon!
TPCMP252	IC COMPARATOR GP 2 CIR 8-SOP	COMP	Industrial	Link	Link
TPT3335	IC Transceiver 2/2 28-QFN	RS232	Industrial	Link	Link
TPA6271	IC Current Power Monitor 10-MSOP	AFE	Industrial	Link	Available soon!
TPL8556Q	IC REG LINEAR 42V 300mA Low Iq	HVLDO	Automotive	Link	Available soon!
TPQ50551Q	IC BOOST CONVERTER FLYBACK 2.2MHz	BST	Automotive	Link	Available soon!