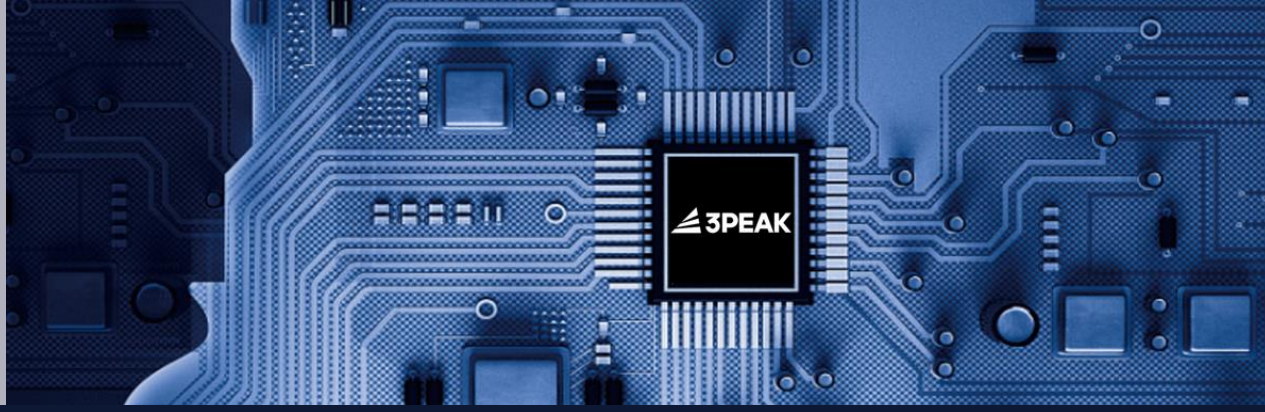


- Analog Signal Chain
- Power Management



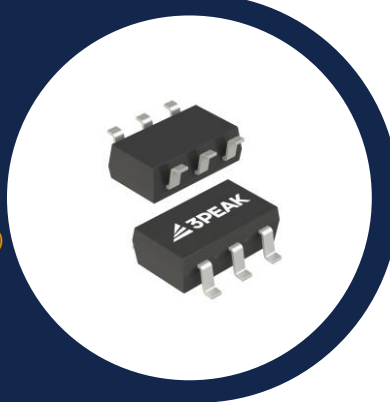
TPS65R01Q

Ideal Diode Controller

65V Reverse Protection and AEC-Q100 Qualified

Features:

- Gate control to regulate voltage drop between source and drain to 20mV
- Wide input voltage range (3.2V to 60V, with 65V absolute max)
- Fast reverse current blocking – Turn off external NMOS within 700ns (Max)
- -60V reverse polarity input voltage
- 0.4µA shutdown current and 60µA operating current at 25°C
- Integrates charge pump to drive external N-channel MOSFET



Power Management - Controller

Available in SOT23-6

Applications:

- Auto Infotainment, Navigation, Telematics
- ADAS, Surround-View Cameras
- Cluster, Head Unit, HUD
- Industry Control, Factory Automation
- Enterprise Power Supply

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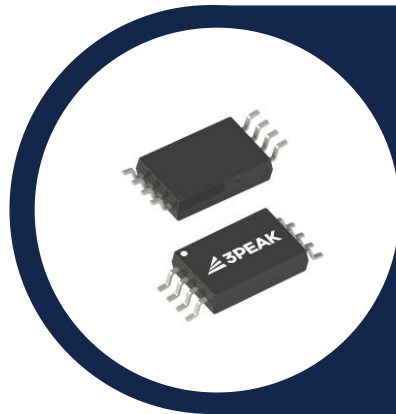
TPA132Q

Current-Sense Amplifier

Zero Drift with PWM Rejection

Features:

- Zero-Drift Performance
 - 100µV Voltage Offset (Max, -40°C to 125°C)
 - 0.3% Gain Error (Max, -40°C to 125°C)
- Enhanced PWM Rejection
 - Operational Voltage: -4V to 80V
 - Survival Voltage: -10V to 85V
- Bandwidth: 1MHz (For A1, A2, A3, A4 Version)
- AEC-Q100 Qualified for Automotive



Analog Signal Chain - Amplifiers

Available in SOP8, TSSOP8

Applications:

- Motor Controls
- Current Sensing (High-Side and Low-Side)
- Solenoid and Valve Control
- Power Management

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

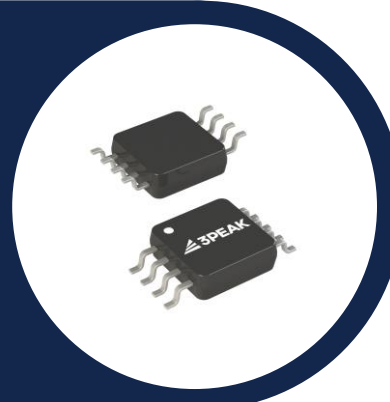
TPCMP272

Comparator with Push-Pull Output

5V, 10ns Prop Delay, Internal Hysteresis

Features:

- Power Supply Voltage: 2.5V to 5.5V
- Low Supply Current: 650µA per channel
- Offset Voltage: ±10mV
- Input Bias Current: 30pA Typical
- Input Common-Mode Range Extends 100mV
- Rail-to-rail Output Swing



Analog Signal Chain - Comparator

Available in MSOP8

Applications:

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

Related Parts: TPCMP271

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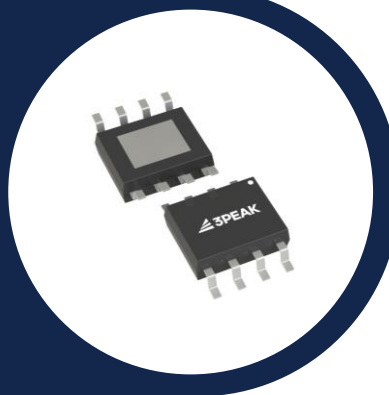
- Analog Signal Chain
- Power Management

TPP00031

Synchronous Step-Down Regulator 100V Input, 300mA, w/power MOSFETs

Features:

- Light load operation: Forced PWM Mode, Fixed switching frequency
- Wide Supply Voltage: 4.5V to 100V
- Integrated power FET: 0.75Ω and 0.4Ω
- 1.2V reference voltage with 2% accuracy
- Internal fixed 2ms soft-start timer
- Over current (cycle by cycle) and Output over voltage protection



Power Management – Buck Converter

Available in ESOP8, DFN3X3-8

Applications:

- 12V, 24V, 48V Distributed Power Supply
- Telecommunication Applications
- Power Supply Unit Applications
- Isolated Power Supply

Related Parts: TPP00032

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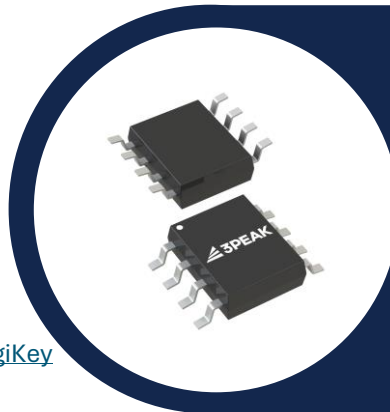
Analog Signal Chain - Amplifiers

Available in SOP8

Applications:

- Instrumentation
- Industrial Control
- Audio

Related Parts: TPA9361



TPA9363

Precision Difference Amplifier Fixed gain w/high CMRR & Over Temp Protection

Features:

- Supply Voltage: 4.5V to 36V, ±2.25V to ±18V
- Offset Voltage: ±300μV (Max)
- Gain Error: 0.05% (Max)
- Bandwidth: 3MHz, Slew Rate: 5V/μs
- CMRR: 100dB (typical)
- EMI Enhancement

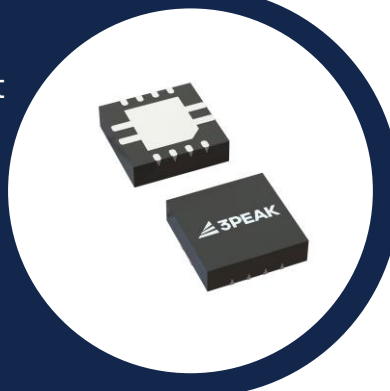
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TPT1029Q

LIN Transceiver Fault Protected w/TXD Dominant Timeout

Features:

- Supports LIN Data Rates up to 20Kbps
- Low-current Standby Mode & Sleep Mode w/Bus Wake-up
- Input Levels Compatible with 3.3V and 5V MCU Interface
- Wide VBAT Input Voltage Range Supports 5.5V to 40V
- Integrated Pull-up Resistor for LIN Slave Applications
- AEC-Q100 Qualified for Automotive
- Protection Features Including:
 - Bus Pin IEC 61000-4-2 ESD Protection ±15 kV
 - Bus Fault Tolerant ±45 V



Analog Signal Chain - Interface

Available in DFN3X3-8, SOP8

Applications:

- Automotive and Transportation
- Body Electronics / Lighting
- Power Train / Chassis
- Infotainment / Cluster
- ADAS / Safety

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

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	Available soon!
TPM23513	IC ISO HS DRIVER	ISO	Industrial	Link	Available soon!
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	Available soon!
TPT1051	IC TRANSCEIVER CAN 8-DFN	CAN	Industrial	Link	Link
TPM6501A	IC TRANS DRIVER SOT23-5	STEPPER	Industrial	Link	Available soon!
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	Available soon!
TPS14P50	IC EFUSE SWITCH 10-DFN	HVOPA	Industrial	Link	Available soon!
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	Available soon!
TPT1029Q	IC TRANSCEIVER LIN 8-DFN	LIN	Automotive	Link	Available soon!

TPS65R01Q	IC CTRLR IDEAL DIODE SOT23-6	HSWAP	Industrial	Link	Available soon!
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