

TPC6160IQ series

Analog Signal Chain – Sigma Delta ADC

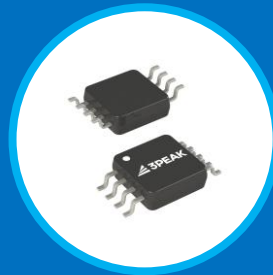
3PEAK's Automotive, 4-Channel Sigma-Delta ADC with Internal Reference

Features:

- AEC-Q100 Grade 1 qualified for -40°C to $+125^{\circ}\text{C}$ operation
- 16-bit resolution with programmable data rates from 64 SPS to 8 kSPS (Flexible Data Rates)
- Four single-ended or two differential inputs via on-chip multiplexer
- Integrated PGA, voltage reference, oscillator, digital filter, and comparator (All-In-One Integration)

Applications:

- Automotive current-shunt and voltage sensing
- Industrial and building automation
- Precision temperature monitoring and thermocouple compensation
- Robotics and smart sensor nodes



Order Parts:

TPC6160IQ-VS2R-S

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

Package: MSOP3X3-10

TPT10283Q series

Analog Signal Chain –LIN System Basis Chip

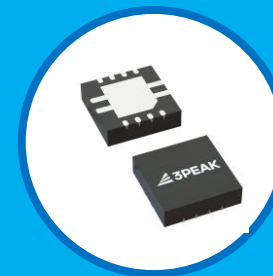
3PEAK's LIN SBC, delivering robust, Integrated LIN Transceiver and LDO for Automotive Networks

Features:

- Wide VBAT range: 4.5 V to 40 V with ± 45 V fault tolerance – **High Fault Tolerance**
- Ultra-low quiescent: $< 25\ \mu\text{A}$ standby, $< 12\ \mu\text{A}$ sleep – **Low standby power**
- **Comprehensive protection:** ESD ± 15 kV, over-voltage, loss-of-ground, UVLO, thermal shutdown

Applications:

- Body electronics and lighting
- HVAC and door modules
- Sensors and actuators
- Instrument clusters and infotainment
- Safety and ADAS subsystems



Order Parts:

TPT10283Q-DFCR-S

TPT10283Q-SO1R-S

TPT10283Q-ES1R-S

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

Package: SOP-8, ESOP-8, DFN3X3-8

TPA8023 series

Analog Signal Chain – Isolated Amplifier

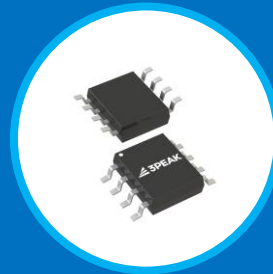
3PEAK's Reinforced isolated amplifier with single end input and single end output

Features:

- Interfaces directly to high impedance dividers or shunts – **Effortless Bus Voltage Sensing**
- 300 kHz bandwidth, 300 μV_{RMS} and settling in $< 3 \mu\text{s}$ keep fast control loops tight
- Low power shutdown – SHDN pin with internal pull-up disables amplifier
- Reinforced (5 kV_{RMS}) silicon-oxide isolation

Applications:

- Motor-drive DC-bus and current shunt monitoring
- Isolated power-supply feedback
- Photovoltaic inverter control loops
- Safety-critical medical and industrial automation



Order Parts:

TPA8023-SO1R
TPA8023-SOAR

Package: SOP8, WSOP8

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3PEAK Product Newsletter Part Summary:

Part Series	Product Description	Product Type	Quality Grade	Datasheet	Product Page
TPL8032	IC REG LINEAR 3.3V 300mA	LDO	Industrial	Link	Product Page
TPR50	IC VREF SERIES 2.5V .05%	Voltage Ref	Industrial	Link	Product Page
TPT1042	IC TRANSCEIVER 1/1	CAN	Automotive	Link	Product Page
TPA9151	IC VOLTAGE DIFFERENCE AMP	Difference Amp	Industrial	Link	Product Page
TPC5180	IC ADC 18BIT 8 CH SAR	Converter	Industrial	Link	Product Page
TPQ05100	IC REG BOOST ADJ 600mA	Boost Converter	Industrial	Link	Product Page
TPL910Q	IC REG LINEAR ADJ 1A	LDO	Automotive	Link	Product Page
TPA8001	IC OPAMP ISOLATION 1 CIR	Isolated Amp	Automotive	Link	Product Page
TPAFE411	IC HALL SENSOR AFE	Special Circuits	Industrial	Link	Product Page
TPT1021Q	IC TRANSCEIVER LIN	LIN	Automotive	Link	Product Page
TPA5581	IC OPAMP ZERO-DRIFT 1 CIR	Op Amp	Industrial	Link	Product Page
TPAFEA008	IC VOLTAGE/CURRENT DAC/ADC 4 CH	Converter	Industrial	Link	Product Page
TPR8601	RES ARRAY 4 RES 10K OHM	Special Circuits	Industrial	Link	Product Page
TPE15017	IC POE FLYBACK CONVERTER	Boost Converter	Industrial	Link	Product Page
TPA5511	IC OPAMP ZERO-DRIFT 1 CIR	Op-Amp	Industrial	Link	Product Page
TPC5120Q	IC ADC 12BIT 16 CH SAR	Converter	Automotive	Link	Product Page
TPA2031Q	IC COMPARATOR GEN PUR 1	Comparators	Automotive	Link	Product Page
TPC5161	IC ADC 16BIT 8 CH SAR	Converter	Industrial	Link	Product Page
TPM8860	IC LOW SIDE DRIVER 48V	Motor Drivers	Industrial	Link	Product Page
TPT4032	IC RECEIVER 0/4	RS485	Industrial	Link	Product Page
TPA8101	IC DELTA-SIGMA MODULATOR	Isolated Amp	Industrial	Link	Product Page
TPC2160	IC 16-BIT HIGH ACCURACY DAC	Converter	Industrial	Link	Product Page
TPM8803	IC LOW SIDE DRIVER 48V 3A	Motor Drivers	Industrial	Link	Product Page
TPA2296	IC OPAMP CURRENT SENSE	Current Amp	Industrial	Link	Product Page
TPT1255	IC TRANSCEIVER CAN	CAN	Industrial	Link	Product Page
TPT7741F	DGTL ISO 3750VRMS 4CH	Isolation	Industrial	Link	Product Page
TPP60506	IC DCDC STEP-DOWN CONVERTER	Buck Converters	Industrial	Link	Product Page
TPM23513	IC ISO HS DRIVER	Gate Drivers	Industrial	Link	Product Page
TPT3243	IC TRANSCEIVER 2/2	RS232	Industrial	Link	Product Page
TPT480	IC Transceiver 1/1 8-DFN	RS485	Industrial	Link	Product Page
TPA191	IC OPAMP Current Sense 1 CIR SC70	Current Amp	Industrial	Link	Product Page
TPS05P50	IC EFUSE SWITCH 10-DFN	Efuses	Industrial	Link	Product Page
TPT1051H	IC TRANSCEIVER CAN 8-DFN	CAN	Industrial	Link	Product Page
TPM6501	IC TRANS DRIVER SOT23-5	Motor Drivers	Industrial	Link	Product Page
TPL8020	IC REG LINEAR 5V 200mA SOT23-5	LDO	Industrial	Link	Product Page
TPL9305-S	IC REG LINEAR ADJ 3A 20-QFN	LDO	Industrial	Link	Product Page
TPA1834	IC OPAMP 30V ZERO DRIFT	HVOPA	Industrial	Link	Product Page
TPS14P50	IC EFUSE SWITCH 10-DFN	Efuses	Industrial	Link	Product Page
TPA2682	IC OPAMP 36V LOW NOISE	OPA	Industrial	Link	Product Page
TPC6240	IC 16-BIT PRECISION DELTA-SIGMA ADC	Converter	Industrial	Link	Product Page
TPA9361	IC VOLTAGE DIFFERENCE AMP 8-SOP	Difference Amp	Industrial	Link	Product Page
TPA132Q	IC OPAMP Current Sense 1 Cir 8-SOP	Current Amp	Automotive	Link	Product Page
TPT1029Q	IC TRANSCEIVER LIN 8-DFN	LIN	Automotive	Link	Product Page

TPS65R01Q	IC CTRLR IDEAL DIODE SOT23-6	Hotswap	Industrial	Link	Product Page
TPP00031	IC REG BUCK 100V 300mA 8-DFN	Buck Converters	Industrial	Link	Product Page
TPCMP272	IC COMPARATOR HS 2 CIR 8-SOP	Comparators	Industrial	Link	Product Page
TPA9363	IC VOLTAGE DIFFERENCE AMP 8-SOP	Difference Amp	Industrial	Link	Product Page
TPL8035Q	IC REG LINEAR 42V 300mA Low Iq 8-DFN	LDO	Automotive	Link	Product Page
TPCMP252	IC COMPARATOR GP 2 CIR 8-SOP	Comparators	Industrial	Link	Product Page
TPT3335	IC Transceiver 2/2 28-QFN	RS232	Industrial	Link	Product Page
TPA6271	IC Current Power Monitor 10-MSOP	Converter	Industrial	Link	Product Page
TPL8556Q	IC REG LINEAR 42V 300mA Low Iq	LDO	Automotive	Link	Product Page
TPQ50551Q	IC BOOST CONVERTER FLYBACK 2.2MHz	Boost Converter	Automotive	Link	Product Page
TPT9H221	IC MULTIPOINT LINE DRIVER SOP8	LVDS	Industrial	Link	Product Page
TPD160221	IC Multiplexer/Demultiplexer Switch	Interconnection	Industrial	Link	Product Page
TPA8003	IC OPAMP Isolation 1 CIR 8-WSOP	Isolated Amp	Industrial	Link	Product Page
TPM6501Q	IC TRANS DRIVER SOT23-5	Isolation	Automotive	Link	Product Page
TPA9152	IC VOLTAGE DIFFERENCE AMP 8-SOP	Difference Amp	Industrial	Link	Product Page
TPQ50571Q	IC BOOST CONVERTER FLYBACK 2.2MHz	Boost Converter	Automotive	Link	Product Page
TPP361062	IC 1A Synchronous Voltage Regulator	Buck Converters	Industrial	Link	Product Page
TPM27224	IC Low-Side Gate Driver	Gate Drivers	Industrial	Link	Product Page
TPA626	IC Current and Power Monitor	Converter	Industrial	Link	Product Page
TPAFE5162	IC 16-bit, 8-Channel ADC	Converter	Industrial	Link	Product Page
TPT29306	IC I2C Bus & SMBus Voltage Translator	I2C	Industrial	Link	Product Page
TPT72616	IC Bidirectional I2C Isolator	Isolation	Industrial	Link	Product Page
TPL8031	Wide Input, Ultra-Low Quiescent Current LDO	LDO	Industrial	Datasheet	Product Page
TPR433-S	Precision Programmable Shunt Voltage Reference	Voltage References	Industrial	Datasheet	Product Page
TPC6160IQ	3PEAK's Automotive, 4-Channel Sigma-Delta ADC with Internal Reference	ADC	Automotive	Datasheet	Product Page
TPT10283Q	3PEAK's LIN SBC, delivering robust, Integrated LIN Transceiver and LDO for Automotive Networks	SBC	Automotive	Datasheet	Product Page
TPA8023	3PEAK's Reinforced isolated amplifier with single end input and single end output	Isolated Amp	Industrial	Datasheet	Product Page

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