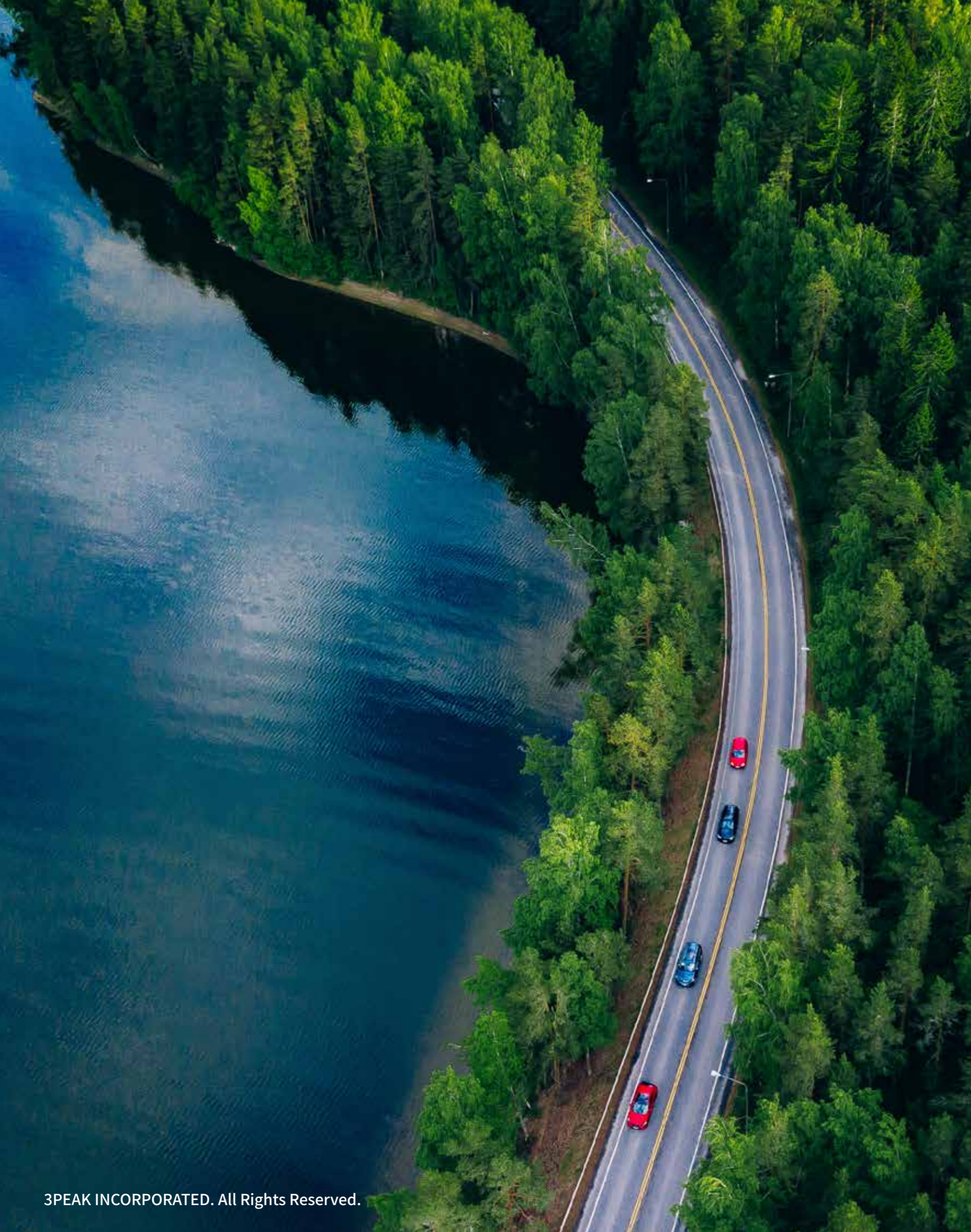




# ANALOG PRODUCTS SELECTION GUIDE



# About 3PEAK

3PEAK is committed to the research and development of high-performance, high-quality, and highly reliable integrated circuit products, including signal chains, power analog chips and mixed-signal front-ends to provide customers with all-around solutions. The applications of the products cover many fields such as communication, industrial, security monitoring, medical and health, instrumentation, new energy, and the automotive industry.

Established in 2012, 3PEAK was listed on the Shanghai Science and Technology Innovation Board on September 21, 2020. 3PEAK has Headquarters in Shanghai, China and Plano, Texas, USA.

**688536**

Stock Code(SSE)

**2012**

Founded

**23+**

Offices

**750+**

Employees

**1600+**

Products

**6000+**

Customers

**20+**

Countries

**10B+**

Chips Shipped

# CATALOG

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# Amplifiers & Special Function Circuits

## High Voltage Op Amps ( $V_s > 10V$ )

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) ( $\mu A$ )	GBW (Typ) (MHz)	Slew Rate (Typ) (V/ $\mu s$ )	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) ( $\mu V/^{\circ}C$ )	Ib (typ) (pA)	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz ( $\mu V_{pp}$ )	Shutdown/Disable	Operating Temperature Range ( $^{\circ}C$ )	Feature	Package
LM2902A	Production	Industrial	4	3	36	200	0.9	0.5	No, to V- only	Yes	30	3	7	60	70	20	/	-40 to 125	/	SOIC-14, TSSOP-14
LM2904A	Production	Industrial	2	3	36	200	0.9	0.5	No, to V- only	Yes	30	3	7	60	70	20	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8
LM321A	Production	Industrial	1	3	36	200	0.9	0.5	No, to V- only	Yes	30	3	7	60	70	20	/	-40 to 125	/	SOT23-5
LM324A	Production	Industrial	4	3	36	200	0.9	0.5	No, to V- only	Yes	30	3	7	60	70	20	/	-40 to 125	/	SOIC-14, TSSOP-14
LM358A	Production	Industrial	2	3	36	200	0.9	0.5	No, to V- only	Yes	30	3	7	60	70	20	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8, DFN1.5X1.5-8
TP07A	Production	Industrial	1	3	36	1500	1	0.7	No, to V- only	Yes	80	0.15	2	25	45	28	/	-40 to 125	/	SOIC-8
TP1241	Production	Industrial	1	4.5	36	500	1	0.7	No, to V- only	Yes	80	0.3	2	25	45	14	/	-40 to 125	/	SOT23-5
TP1242	Production	Industrial	2	4.5	36	350	1	0.7	No, to V- only	Yes	80	0.3	2	25	45	14	/	-40 to 125	/	SOIC-8, MSOP-8
TP1281	Production	Industrial	1	4.5	36	2000	7	20	No, to V- only	Yes	32	0.1	1	25	25	14	/	-40 to 125	/	SOIC-8, SOT23-5
TP1282	Production	Industrial	2	4.5	36	1600	7	20	No, to V- only	Yes	32	0.1	1	25	25	14	/	-40 to 125	/	SOIC-8, MSOP-8
TP1284	Production	Industrial	4	4.5	36	1600	7	20	No, to V- only	Yes	32	0.15	1	25	25	14	/	-40 to 125	/	SOIC-14, TSSOP-14
TP17	Production	Industrial	1	3	36	2000	6	20	No, to V- only	Yes	32	0.1	1	25	25	12	/	-40 to 125	/	SOIC-8
TP2261	Production	Industrial	1	3	36	1500	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	/	-40 to 125	/	SOIC-8, SOT23-5
TP2261-Q100	Production	Industrial	1	3	36	1500	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	/	-40 to 125	AEC-Q100 Qualified	SOT23-5
TP2262	Production	Industrial	2	3	36	1000	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8, DFN2X2-8, DFN3X3-8
TP2264	Production	Industrial	4	3	36	1000	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	/	-40 to 125	/	SOIC-14, TSSOP-14, QFN3X3-16
TP2271	Production	Industrial	1	3.1	36	2000	7	20	No, to V- only	Yes	32	0.5	2	25	25	14	/	-40 to 125	/	SOT23-5
TP2272	Production	Industrial	2	3.1	36	1600	7	20	No, to V- only	Yes	32	0.5	2	25	25	14	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8
TP2274	Production	Industrial	4	3.1	36	1600	7	20	No, to V- only	Yes	32	0.5	2	25	25	14	/	-40 to 125	/	SOIC-14, TSSOP-14
TP2581	Production	Industrial	1	3	36	5400	10	8	No, to V- only	Yes	32	3	2	25	35	8	/	-40 to 125	/	SOT23-5
TP2582	Production	Industrial	2	3	36	4000	10	8	No, to V- only	Yes	32	3	2	25	35	8	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8
TP2584	Production	Industrial	4	3	36	4000	10	8	No, to V- only	Yes	32	3	2	25	35	8	/	-40 to 125	/	SOIC-14, TSSOP-14
TP27	Production	Industrial	1	4.5	36	1600	6	5	No, to V- only	Yes	95	0.05	0.01	100	8	0.1	/	-40 to 125	/	SOIC-8
TPA1811	Preview	Industrial	1	4	30	130	0.35	0.26	No, to V- only	Yes	67	0.007	0.037	20	32	0.1	/	-40 to 125	/	SOT23-5, SOIC-8
TPA1812	Preview	Industrial	2	4	30	130	0.35	0.26	No, to V- only	Yes	67	0.007	0.037	20	32	0.1	/	-40 to 125	/	SOIC-8, MSOP-8
TPA1831	Production	Industrial	1	4	30	220	1.1	0.7	No, to V- only	Yes	62	0.007	0.037	20	32	0.1	/	-40 to 125	/	SOT23-5, SOIC-8
TPA1832	Preview	Industrial	2	4	30	220	1.1	0.7	No, to V- only	Yes	62	0.007	0.037	20	32	0.1	/	-40 to 125	/	SOIC-8
TPA1834	Production	Industrial	4	4	30	220	1.1	0.7	No, to V- only	Yes	62	0.007	0.037	20	32	0.1	/	-40 to 125	/	SOIC-14, TSSOP-14
TPA1861	Production	Industrial	1	4.5	40	1600	6	5	No, to V- only	Yes	95	0.03	0.01	100	8	0.1	/	-40 to 125	/	SOIC-8, SOT23-5
TPA1861Q	Production	Automotive	1	4.5	36	1600	6	5	No, to V- only	Yes	95	0.04	0.01	100	8	0.1	/	-40 to 125	/	SOT23-5
TPA1862	Production	Industrial	2	4.5	40	1600	6	5	No, to V- only	Yes	95	0.03	0.01	100	8	0.1	/	-40 to 125	/	SOIC-8, MSOP-8, DFN3X3-8
TPA1862Q	Production	Automotive	2	4.5	36	1600	6	5	No, to V- only	Yes	95	0.04	0.01	100	8	0.1	/	-40 to 125	/	SOIC-8
TPA1864	Production	Industrial	4	4.5	40	1600	6	5	No, to V- only	Yes	95	0.03	0.01	100	8	0.1	/	-40 to 125	/	SOIC-14, TSSOP-14

Contact 3PEAK sales for more information and samples.

## High Voltage Op Amps ( $V_s > 10V$ )

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) ( $\mu A$ )	GBW (Typ) (MHz)	Slew Rate (Typ) ( $V/\mu s$ )	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) ( $\mu V/^\circ C$ )	Ib (typ) (pA)	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz ( $\mu Vpp$ )	Shutdown/Disable	Operating Temperature Range ( $^\circ C$ )	Feature	Package
TPA1881	Production	Industrial	1	4.5	40	2500	12	12	No, to V- only	Yes	95	0.015	0.05	100	6	0.1	/	-40 to 125	/	SOIC-8, SOT23-5
TPA1881Q	Production	Automotive	1	4.5	36	2500	12	12	No, to V- only	Yes	95	0.035	0.05	100	8	0.1	/	-40 to 125	/	SOT23-5
TPA1882	Production	Industrial	2	4.5	40	2500	12	12	No, to V- only	Yes	95	0.015	0.05	100	6	0.1	/	-40 to 125	/	SOIC-8, MSOP-8
TPA1882Q	Production	Automotive	2	4.5	36	2500	12	12	No, to V- only	Yes	95	0.035	0.05	100	8	0.1	/	-40 to 125	/	SOIC-8, MSOP-8
TPA2641	Production	Industrial	1	3	36	550	1.5	0.5	No, to V- only	No	50	2	5	15000	50	1.6	/	-40 to 125	/	SOT23-5
TPA2642	Production	Industrial	2	3	36	550	1.5	0.5	No, to V- only	No	50	2	5	15000	50	1.6	/	-40 to 125	/	SOIC-8, MSOP-8
TPA2644	Production	Industrial	4	3	36	550	1.5	0.5	No, to V- only	No	50	2	5	15000	50	1.6	/	-40 to 125	/	SOIC-14, TSSOP-14
TPA2671	Production	Industrial	1	4	36	2400	10	15	No, to V- only	No	50	3	0.5	50	38	0.8	/	-40 to 125	/	SOT23-5
TPA2672	Production	Industrial	2	4	36	2400	10	15	No, to V- only	No	50	3	0.5	50	38	0.8	/	-40 to 125	/	SOIC-8, MSOP-8
TPA2674	Production	Industrial	4	4	36	2400	10	15	No, to V- only	No	50	3	0.5	50	38	0.8	/	-40 to 125	/	SOIC-14, TSSOP-14
TPA2681	Production	Industrial	1	8	36	8000	20	10	No, to V- only	No	60	3	2	100000	10	0.8	/	-40 to 125	/	SOT23-5
TPA2682	Production	Industrial	2	8	36	8000	20	10	No, to V- only	No	60	3	2	100000	10	0.8	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8
TPA3530	Production	Industrial	1	4.5	16	1400	2.1	1.4	No, to V- only	Yes	31	0.1	2	/	18	/	/	-40 to 125	Low Ib	SOIC-8
TPA3662	Production	Industrial	2	2.7	16	1200	2.5	2	Yes	Yes	40	0.25	2	10	25	/	/	-40 to 125	/	SOIC-8
TPA3664	Production	Industrial	4	2.7	16	1200	2.5	2	Yes	Yes	40	0.25	2	10	25	/	/	-40 to 125	/	SOIC-14, TSSOP-14

## Low Voltage Op Amps ( $V_s < 10V$ )

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) ( $\mu A$ )	GBW (Typ) (MHz)	Slew Rate (Typ) ( $V/\mu s$ )	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) ( $\mu V/^\circ C$ )	Ib (typ) (pA)	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz ( $\mu Vpp$ )	Shutdown/Disable	Operating Temperature Range ( $^\circ C$ )	Feature	Package
LMV321B	Production	Industrial	1	2.5	5.5	130	1	0.7	Yes	Yes	100	4	2	1	35	8	/	-40 to 125	/	SOT23-5, SC70-5
LMV324B	Production	Industrial	4	2.5	5.5	130	1	0.7	Yes	Yes	100	4	2	1	35	8	/	-40 to 125	/	SOIC-14, TSSOP-14
LMV358B	Production	Industrial	2	2.5	5.5	130	1	0.7	Yes	Yes	100	4	2	1	35	8	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8
TP1561A	Production	Industrial	1	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	/	SOT23-5, SC70-5
TP1562A	Production	Industrial	2	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP-8, DFN2X2-8
TP1564A	Production	Industrial	4	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	/	SOIC-14, TSSOP-14
TP2111	Production	Industrial	1	1.8	5.5	0.6	0.01	0.006	Yes	Yes	20	1.5	0.4	1	265	10	/	-40 to 125	/	SOT23-5, SC70-5
TP2112	Production	Industrial	2	1.8	5.5	0.6	0.01	0.006	Yes	Yes	20	1.5	0.4	1	265	10	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TP2121	Production	Industrial	1	1.8	6	0.95	0.018	0.01	Yes	Yes	20	1.5	0.5	1	170	6.5	/	-40 to 125	/	SOT23-5, SC70-5
TP2122	Production	Industrial	2	1.8	6	0.95	0.018	0.01	Yes	Yes	20	1.5	0.5	0.001	170	6.5	/	-40 to 125	/	SOIC-8, MSOP-8
TP2124	Production	Industrial	4	1.8	6	0.95	0.018	0.01	Yes	Yes	20	1.5	0.5	0.001	170	6.5	/	-40 to 125	/	SOIC-14, TSSOP-14
TP5531	Production	Industrial	1	1.8	5.5	55	0.35	0.16	Yes	Yes	60	0.01	0.008	50	55	1.1	/	-40 to 125	/	SOT23-5, SC70-5
TP5532	Production	Industrial	2	1.8	5.5	55	0.35	0.16	Yes	Yes	60	0.01	0.008	50	55	1.1	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TP5534	Production	Industrial	4	1.8	5.5	55	0.35	0.16	Yes	Yes	60	0.01	0.008	50	55	1.1	/	-40 to 125	/	SOIC-14, TSSOP-14

Contact 3PEAK sales for more information and samples.

Low Voltage Op Amps ( $V_s < 10V$ )

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) ( $\mu A$ )	GBW (Typ) (MHz)	Slew Rate (Typ) ( $V/\mu s$ )	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) ( $\mu V/^\circ C$ )	Ib (typ) ( $\mu A$ )	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz ( $\mu Vpp$ )	Shutdown/Disable	Operating Temperature Range ( $^\circ C$ )	Feature	Package
TP5551	Production	Industrial	1	1.8	5.5	1400	3.5	2.5	Yes	Yes	60	0.005	0.008	50	15	0.35	/	-40 to 125	/	SOT23-5, SOIC-8
TP5552	Production	Industrial	2	1.8	5.5	950	3.5	2.5	Yes	Yes	60	0.005	0.008	50	15	0.35	/	-40 to 125	/	SOIC-8, MSOP-8
TP5554	Production	Industrial	4	1.8	5.5	950	3.5	2.5	Yes	Yes	60	0.005	0.008	50	15	0.35	/	-40 to 125	/	TSSOP-14
TP5591	Production	Industrial	1	1.8	5.5	1400	3.3	2.5	Yes	Yes	60	0.02	0.01	60	17	0.37	/	-40 to 125	/	SOT23-5, SOIC-8
TP5592	Production	Industrial	2	1.8	5.5	1400	3.3	2.5	Yes	Yes	60	0.02	0.01	60	17	0.37	/	-40 to 125	/	SOIC-8, MSOP-8
TP5594	Production	Industrial	4	1.8	5.5	1400	3.3	2.5	Yes	Yes	60	0.02	0.01	60	17	0.37	/	-40 to 125	/	SOIC-14, TSSOP-14
TP6001	Production	Industrial	1	2.1	6	130	1.3	0.7	Yes	Yes	50	3	1	1	27	8	/	-40 to 125	/	SOT23-5, SC70-5
TP6002	Production	Industrial	2	2.1	6	130	1.3	0.7	Yes	Yes	50	3	1	1	27	8	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TP6004	Production	Industrial	4	2.1	6	130	1.3	0.7	Yes	Yes	50	3	1	1	27	8	/	-40 to 125	/	SOIC-14, TSSOP-14
TPA5511	Production	Industrial	1	1.7	3.6	1.1	0.009	0.003	Yes	Yes	15	0.03	0.025	200	354	5	/	-40 to 125	/	SOT23-5, DFN1.4X1-5
TPA5512	Production	Industrial	2	1.7	3.6	1.1	0.009	0.003	Yes	Yes	15	0.03	0.025	200	354	5	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TPA5521	Production	Industrial	1	1.7	3.6	15	0.078	0.02	Yes	Yes	22	0.03	0.025	50	96	1.91	/	-40 to 125	/	SOT23-5, DFN1.4X1-4
TPA5522	Production	Industrial	2	1.7	3.6	15	0.078	0.02	Yes	Yes	22	0.03	0.025	50	96	1.91	/	-40 to 125	/	SOIC-8
TPA5561	Production	Industrial	1	2.7	5.5	1000	3.5	4.7	Yes	Yes	60	0.01	0.01	200	12	0.25	/	-40 to 125	/	SOT23-5, SC70-5
TPA5561Q	Production	Automotive	1	2.7	5.5	1000	3.5	4.7	Yes	Yes	60	0.045	0.01	200	12	0.25	/	-40 to 125	/	SOT23-5
TPA5562	Production	Industrial	2	2.7	5.5	1000	3.5	4.7	Yes	Yes	60	0.01	0.01	200	12	0.25	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP-8
TPA5562Q	Production	Automotive	2	2.7	5.5	1000	3.5	4.7	Yes	Yes	60	0.045	0.01	200	12	0.25	/	-40 to 125	/	SOIC-8, MSOP-8
TPA5572Q	Production	Automotive	2	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.1	0.01	200	10	0.2	/	-40 to 125	/	SOIC-8, MSOP-8
TPA5581	Production	Industrial	1	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.01	0.01	200	10	0.2	/	-40 to 125	/	SOT23-5
TPA5581N	Production	Industrial	1	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.01	0.01	200	10	0.2	Yes	-40 to 125	/	SOT23-6
TPA5582	Production	Industrial	2	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.01	0.01	200	10	0.2	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP-8, DFN2X2-8
TPA5601	Production	Industrial	1	2.5	5.5	2300	15	7	Yes	Yes	115	0.006	0.013	30	10	0.5	/	-40 to 125	/	SOT23-5, SC70-5
TPA5621	Production	Industrial	1	2.5	5.5	2300	80	30	Yes	Yes	120	0.006	0.027	30	11	0.24	/	-40 to 125	/	SOT23-5
TPA6531	Production	Industrial	1	1.75	5.5	30	0.3	0.15	Yes	Yes	90	1.5	1	25000	40	1	/	-40 to 125	/	SOT23-5, SC70-5
TPA6531N	Production	Industrial	1	1.75	5.5	30	0.3	0.15	Yes	Yes	90	1.5	1	25000	40	1	Yes	-40 to 125	/	SOT23-6
TPA6532	Production	Industrial	2	1.75	5.5	30	0.3	0.15	Yes	Yes	90	1.5	1	25000	40	1	/	-40 to 125	/	SOIC-8, MSOP-8
TPA6534	Production	Industrial	4	1.75	5.5	30	0.3	0.15	Yes	Yes	90	1.5	1	25000	40	1	/	-40 to 125	/	SOIC-14, TSSOP-14
TPA6551	Production	Industrial	1	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	/	-40 to 125	/	SOT23-5, SC70-5
TPA6551N	Production	Industrial	1	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	Yes	-40 to 125	/	SOT23-6
TPA6552	Production	Industrial	2	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	/	-40 to 125	/	SOIC-8, MSOP-8
TPA6554	Production	Industrial	4	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	/	-40 to 125	/	SOIC-14, TSSOP-14
TPA6581	Production	Industrial	1	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	SOT23-5, SC70-5, DFN0.8X0.8
TPA6582	Production	Industrial	2	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP-8, DFN2X2-8
TPA6584	Production	Industrial	4	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	SOIC-14, TSSOP-14

Contact 3PEAK sales for more information and samples.

## Low Voltage Op Amps ( $V_s < 10V$ )

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) ( $\mu A$ )	GBW (Typ) (MHz)	Slew Rate (Typ) ( $V/\mu s$ )	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) ( $\mu V/^\circ C$ )	Ib (typ) ( $\rho A$ )	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz ( $\mu Vpp$ )	Shutdown/Disable	Operating Temperature Range ( $^\circ C$ )	Feature	Package
TPH2501	Production	Industrial	1	2.5	5.5	10000	120	200	Yes	Yes	160	2	10	3	6.5	64	/	-40 to 125	/	SOT23-5
TPH2502	Production	Industrial	2	2.5	5.5	7500	120	200	Yes	Yes	160	2	10	3	6.5	64	/	-40 to 125	/	SOIC-8, MSOP-8
TPH2503	Production	Industrial	1	2.5	5.5	10000	120	200	Yes	Yes	160	2	10	3	6.5	64	Yes	-40 to 125	/	SOT23-6
TPH2504	Production	Industrial	4	2.5	5.5	7500	120	200	Yes	Yes	160	2	10	3	6.5	64	/	-40 to 125	/	SOIC-14, TSSOP-14
TPH2861	Production	Industrial	1	3.3	5.25	22000	8000	2750	No	No	83	1.8	2	-20000000	1.2	/	/	-40 to 125	/	DFN2X2-8
TPH2861Q	Production	Automotive	1	3.3	5.25	22000	8000	2750	No	No	83	1.8	2	-20000000	1.2	/	/	-40 to 125	/	DFN2X2-8
TPH2865Q	Production	Automotive	1	3.3	5.25	11000	4000	1030	No	No	50	1.8	2	11000000	1.3	/	Yes	-40 to 125	/	DFN2X2-8

## Precision Op Amps ( $Vos \leq 1mV$ )

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) ( $\mu A$ )	GBW (Typ) (MHz)	Slew Rate (Typ) ( $V/\mu s$ )	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) ( $\mu V/^\circ C$ )	Ib (typ) ( $\rho A$ )	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz ( $\mu Vpp$ )	Shutdown/Disable	Operating Temperature Range ( $^\circ C$ )	Feature	Package
TP07A	Production	Industrial	1	3	36	1500	1	0.7	No, to V- only	Yes	80	0.15	2	25	45	28	/	-40 to 125	/	SOIC-8
TP1241	Production	Industrial	1	4.5	36	500	1	0.7	No, to V- only	Yes	80	0.3	2	25	45	14	/	-40 to 125	/	SOT23-5
TP1242	Production	Industrial	2	4.5	36	350	1	0.7	No, to V- only	Yes	80	0.3	2	25	45	14	/	-40 to 125	/	SOIC-8, MSOP-8
TP1281	Production	Industrial	1	4.5	36	2000	7	20	No, to V- only	Yes	32	0.1	1	25	25	14	/	-40 to 125	/	SOIC-8, SOT23-5
TP1282	Production	Industrial	2	4.5	36	1600	7	20	No, to V- only	Yes	32	0.1	1	25	25	14	/	-40 to 125	/	SOIC-8, MSOP-8
TP1284	Production	Industrial	4	4.5	36	1600	7	20	No, to V- only	Yes	32	0.15	1	25	25	14	/	-40 to 125	/	SOIC-14, TSSOP-14
TP17	Production	Industrial	1	3	36	2000	6	20	No, to V- only	Yes	32	0.1	1	25	25	12	/	-40 to 125	/	SOIC-8
TP2271	Production	Industrial	1	3.1	36	2000	7	20	No, to V- only	Yes	32	0.5	2	25	25	14	/	-40 to 125	/	SOT23-5
TP2272	Production	Industrial	2	3.1	36	1600	7	20	No, to V- only	Yes	32	0.5	2	25	25	14	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8
TP2274	Production	Industrial	4	3.1	36	1600	7	20	No, to V- only	Yes	32	0.5	2	25	25	14	/	-40 to 125	/	SOIC-14, TSSOP-14
TP27	Production	Industrial	1	4.5	36	1600	6	5	No, to V- only	Yes	95	0.05	0.01	100	8	0.1	/	-40 to 125	/	SOIC-8
TP5531	Production	Industrial	1	1.8	5.5	55	0.35	0.16	Yes	Yes	60	0.01	0.008	50	55	1.1	/	-40 to 125	/	SOT23-5, SC70-5
TP5532	Production	Industrial	2	1.8	5.5	55	0.35	0.16	Yes	Yes	60	0.01	0.008	50	55	1.1	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TP5534	Production	Industrial	4	1.8	5.5	55	0.35	0.16	Yes	Yes	60	0.01	0.008	50	55	1.1	/	-40 to 125	/	SOIC-14, TSSOP-14
TP5551	Production	Industrial	1	1.8	5.5	1400	3.5	2.5	Yes	Yes	60	0.005	0.008	50	15	0.35	/	-40 to 125	/	SOT23-5, SOIC-8
TP5552	Production	Industrial	2	1.8	5.5	950	3.5	2.5	Yes	Yes	60	0.005	0.008	50	15	0.35	/	-40 to 125	/	SOIC-8, MSOP-8
TP5554	Production	Industrial	4	1.8	5.5	950	3.5	2.5	Yes	Yes	60	0.005	0.008	50	15	0.35	/	-40 to 125	/	TSSOP-14
TP5591	Production	Industrial	1	1.8	5.5	1400	3.3	2.5	Yes	Yes	60	0.02	0.01	60	17	0.37	/	-40 to 125	/	SOT23-5, SOIC-8
TP5592	Production	Industrial	2	1.8	5.5	1400	3.3	2.5	Yes	Yes	60	0.02	0.01	60	17	0.37	/	-40 to 125	/	SOIC-8, MSOP-8
TP5594	Production	Industrial	4	1.8	5.5	1400	3.3	2.5	Yes	Yes	60	0.02	0.01	60	17	0.37	/	-40 to 125	/	SOIC-14, TSSOP-14

Contact 3PEAK sales for more information and samples.

Precision Op Amps ( $V_{os} \leq 1\text{mV}$ )

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) ( $\mu\text{A}$ )	GBW (Typ) (MHz)	Slew Rate (Typ) ( $\text{V}/\mu\text{s}$ )	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) ( $\mu\text{V}/^\circ\text{C}$ )	Ib (typ) ( $\mu\text{A}$ )	Vn (Typ) ( $\text{nV}/\text{rtHz}$ )	Peak Noise at 0.1 to 10Hz ( $\mu\text{Vpp}$ )	Shutdown/Disable	Operating Temperature Range ( $^\circ\text{C}$ )	Feature	Package
TPA1861	Production	Industrial	1	4.5	40	1600	6	5	No, to V- only	Yes	95	0.03	0.01	100	8	0.1	/	-40 to 125	/	SOIC-8, SOT23-5
TPA1861Q	Production	Automotive	1	4.5	36	1600	6	5	No, to V- only	Yes	95	0.04	0.01	100	8	0.1	/	-40 to 125	/	SOT23-5
TPA1862	Production	Industrial	2	4.5	40	1600	6	5	No, to V- only	Yes	95	0.03	0.01	100	8	0.1	/	-40 to 125	/	SOIC-8, MSOP-8, DFN3X3-8
TPA1862Q	Production	Automotive	2	4.5	36	1600	6	5	No, to V- only	Yes	95	0.04	0.01	100	8	0.1	/	-40 to 125	/	SOIC-8
TPA1864	Production	Industrial	4	4.5	40	1600	6	5	No, to V- only	Yes	95	0.03	0.01	100	8	0.1	/	-40 to 125	/	SOIC-14, TSSOP-14
TPA1881	Production	Industrial	1	4.5	40	2500	12	12	No, to V- only	Yes	95	0.015	0.05	100	6	0.1	/	-40 to 125	/	SOIC-8, SOT23-5
TPA1881Q	Production	Automotive	1	4.5	36	2500	12	12	No, to V- only	Yes	95	0.035	0.05	100	8	0.1	/	-40 to 125	/	SOT23-5
TPA1882	Production	Industrial	2	4.5	40	2500	12	12	No, to V- only	Yes	95	0.015	0.05	100	6	0.1	/	-40 to 125	/	SOIC-8, MSOP-8
TPA1882Q	Production	Automotive	2	4.5	36	2500	12	12	No, to V- only	Yes	95	0.035	0.05	100	8	0.1	/	-40 to 125	/	SOIC-8, MSOP-8
TPA3530	Production	Industrial	1	4.5	16	1400	2.1	1.4	No, to V- only	Yes	31	0.1	2	/	18	/	/	-40 to 125	Low Ib	SOIC-8
TPA3662	Production	Industrial	2	2.7	16	1200	2.5	2	Yes	Yes	40	0.25	2	10	25	/	/	-40 to 125	/	SOIC-8
TPA3664	Production	Industrial	4	2.7	16	1200	2.5	2	Yes	Yes	40	0.25	2	10	25	/	/	-40 to 125	/	SOIC-14, TSSOP-14
TPA5511	Production	Industrial	1	1.7	3.6	1.1	0.009	0.003	Yes	Yes	15	0.03	0.025	200	354	5	/	-40 to 125	/	SOT23-5, DFN1.4X1-5
TPA5512	Production	Industrial	2	1.7	3.6	1.1	0.009	0.003	Yes	Yes	15	0.03	0.025	200	354	5	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TPA5521	Production	Industrial	1	1.7	3.6	15	0.078	0.02	Yes	Yes	22	0.03	0.025	50	96	1.91	/	-40 to 125	/	SOT23-5, DFN1.4X1-4
TPA5522	Production	Industrial	2	1.7	3.6	15	0.078	0.02	Yes	Yes	22	0.03	0.025	50	96	1.91	/	-40 to 125	/	SOIC-8
TPA5561	Production	Industrial	1	2.7	5.5	1000	3.5	4.7	Yes	Yes	60	0.01	0.01	200	12	0.25	/	-40 to 125	/	SOT23-5, SC70-5
TPA5561Q	Production	Automotive	1	2.7	5.5	1000	3.5	4.7	Yes	Yes	60	0.045	0.01	200	12	0.25	/	-40 to 125	/	SOT23-5
TPA5562	Production	Industrial	2	2.7	5.5	1000	3.5	4.7	Yes	Yes	60	0.01	0.01	200	12	0.25	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP-8
TPA5572Q	Preview	Automotive	2	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.1	0.01	200	10	0.2	/	-40 to 125	/	SOIC-8, MSOP-8
TPA5581	Production	Industrial	1	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.01	0.01	200	10	0.2	/	-40 to 125	/	SOT23-5
TPA5581N	Production	Industrial	1	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.01	0.01	200	10	0.2	Yes	-40 to 125	/	SOT23-6
TPA5582	Production	Industrial	2	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.01	0.01	200	10	0.2	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP-8, DFN2X2-8
TPA5601	Production	Industrial	1	2.5	5.5	2300	15	7	Yes	Yes	115	0.006	0.013	30	10	0.5	/	-40 to 125	/	SOT23-5, SC70-5
TPA5621	Production	Industrial	1	2.5	5.5	2300	80	30	Yes	Yes	120	0.006	0.027	30	11	0.24	/	-40 to 125	/	SOT23-5
TPA6551	Production	Industrial	1	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	/	-40 to 125	/	SOT23-5, SC70-5
TPA6551N	Production	Industrial	1	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	Yes	-40 to 125	/	SOT23-6
TPA6552	Production	Industrial	2	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	/	-40 to 125	/	SOIC-8, MSOP-8
TPA6554	Production	Industrial	4	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	/	-40 to 125	/	SOIC-14, TSSOP-14



## High Speed Op Amps (GBW >= 50MHz)

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) (μA)	GBW (Typ) (MHz)	Slew Rate (Typ) (V/μs)	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) (μV/°C)	Ib (typ) (pA)	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/Disable	Operating Temperature Range (°C)	Feature	Package
TPA5621	Production	Industrial	1	2.5	5.5	2300	80	30	Yes	Yes	120	0.006	0.027	30	11	0.24	/	-40 to 125	/	SOT23-5
TPH2501	Production	Industrial	1	2.5	5.5	10000	120	200	Yes	Yes	160	2	10	3	6.5	64	/	-40 to 125	/	SOT23-5
TPH2502	Production	Industrial	2	2.5	5.5	7500	120	200	Yes	Yes	160	2	10	3	6.5	64	/	-40 to 125	/	SOIC-8, MSOP-8
TPH2503	Production	Industrial	1	2.5	5.5	10000	120	200	Yes	Yes	160	2	10	3	6.5	64	Yes	-40 to 125	/	SOT23-6
TPH2504	Production	Industrial	4	2.5	5.5	7500	120	200	Yes	Yes	160	2	10	3	6.5	64	/	-40 to 125	/	SOIC-14, TSSOP-14
TPH2861	Production	Industrial	1	3.3	5.25	22000	8000	2750	No	No	83	1.8	2	-20000000	1.2	/	/	-40 to 125	/	DFN2X2-8
TPH2861Q	Production	Automotive	1	3.3	5.25	22000	8000	2750	No	No	83	1.8	2	-20000000	1.2	/	/	-40 to 125	/	DFN2X2-8
TPH2865Q	Production	Automotive	1	3.3	5.25	11000	4000	1030	No	No	50	1.8	2	11000000	1.3	/	Yes	-40 to 125	/	DFN2X2-8

## Low Power Op Amps (Iq Per Ch <= 50μA)

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) (μA)	GBW (Typ) (MHz)	Slew Rate (Typ) (V/μs)	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) (μV/°C)	Ib (typ) (pA)	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/Disable	Operating Temperature Range (°C)	Feature	Package
TP2111	Production	Industrial	1	1.8	5.5	0.6	0.01	0.006	Yes	Yes	20	1.5	0.4	1	265	10	/	-40 to 125	/	SOT23-5, SC70-5
TP2112	Production	Industrial	2	1.8	5.5	0.6	0.01	0.006	Yes	Yes	20	1.5	0.4	1	265	10	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TP2121	Production	Industrial	1	1.8	6	0.95	0.018	0.01	Yes	Yes	20	1.5	0.5	1	170	6.5	/	-40 to 125	/	SOT23-5, SC70-5
TP2122	Production	Industrial	2	1.8	6	0.95	0.018	0.01	Yes	Yes	20	1.5	0.5	0.001	170	6.5	/	-40 to 125	/	SOIC-8, MSOP-8
TP2124	Production	Industrial	4	1.8	6	0.95	0.018	0.01	Yes	Yes	20	1.5	0.5	0.001	170	6.5	/	-40 to 125	/	SOIC-14, TSSOP-14
TPA5511	Production	Industrial	1	1.7	3.6	1.1	0.009	0.003	Yes	Yes	15	0.03	0.025	200	354	5	/	-40 to 125	/	SOT23-5, DFN1.4X1-5
TPA5512	Production	Industrial	2	1.7	3.6	1.1	0.009	0.003	Yes	Yes	15	0.03	0.025	200	354	5	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TPA5521	Production	Industrial	1	1.7	3.6	15	0.078	0.02	Yes	Yes	22	0.03	0.025	50	96	1.91	/	-40 to 125	/	SOT23-5, DFN1.4X1-4
TPA5522	Production	Industrial	2	1.7	3.6	15	0.078	0.02	Yes	Yes	22	0.03	0.025	50	96	1.91	/	-40 to 125	/	SOIC-8
TPA6531	Production	Industrial	1	1.75	5.5	30	0.3	0.15	Yes	Yes	90	1.5	1	25000	40	1	/	-40 to 125	/	SOT23-5, SC70-5
TPA6531N	Production	Industrial	1	1.75	5.5	30	0.3	0.15	Yes	Yes	90	1.5	1	25000	40	1	Yes	-40 to 125	/	SOT23-6
TPA6532	Production	Industrial	2	1.75	5.5	30	0.3	0.15	Yes	Yes	90	1.5	1	25000	40	1	/	-40 to 125	/	SOIC-8, MSOP-8
TPA6534	Production	Industrial	4	1.75	5.5	30	0.3	0.15	Yes	Yes	90	1.5	1	25000	40	1	/	-40 to 125	/	SOIC-14, TSSOP-14

## Small Size Op Amps (DFN, QFN, Wafer-Level CSP)

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) (μA)	GBW (Typ) (MHz)	Slew Rate (Typ) (V/μs)	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) (μV/°C)	Ib (typ) (pA)	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/Disable	Operating Temperature Range (°C)	Feature	Package
LM358A	Production	Industrial	2	3	36	200	0.9	0.5	No, to V- only	Yes	30	3	7	60	70	20	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8, DFN1.5X1.5-8
TP2262	Production	Industrial	2	3	36	1000	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP8, DFN2X2-8, DFN3X3-8
TP2264	Production	Industrial	4	3	36	1000	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	/	-40 to 125	/	SOIC-14, TSSOP-14, QFN3X3-16

Contact 3PEAK sales for more information and samples.

## Small Size Op Amps (DFN, QFN, Wafer-Level CSP)

Part Number	Status	Rating	Channel	Supply Voltage (Min)	Supply Voltage (Max)	Iq per Channel (Max) (µA)	GBW (Typ) (MHz)	Slew Rate (Typ) (V/µs)	Rail-Rail In	Rail-Rail Out	Ishort (Typ) (mA)	Vos (Max) (mV)	Offset Drift (Typ) (µV/°C)	Ib (typ) (pA)	Vn (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (µVpp)	Shutdown/Disable	Operating Temperature Range (°C)	Feature	Package
TP5532	Production	Industrial	2	1.8	5.5	55	0.35	0.16	Yes	Yes	60	0.01	0.008	50	55	1.1	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TP6001	Production	Industrial	1	2.1	6	130	1.3	0.7	Yes	Yes	50	3	1	1	27	8	/	-40 to 125	/	SOT23-5, SC70-5
TP6002	Production	Industrial	2	2.1	6	130	1.3	0.7	Yes	Yes	50	3	1	1	27	8	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TPA1862	Production	Industrial	2	4.5	40	1600	6	5	No, to V- only	Yes	95	0.03	0.01	100	8	0.1	/	-40 to 125	/	SOIC-8, MSOP-8, DFN3X3-8
TPA5511	Production	Industrial	1	1.7	3.6	1.1	0.009	0.003	Yes	Yes	15	0.03	0.025	200	354	5	/	-40 to 125	/	SOT23-5, DFN1.4X1-5
TPA5512	Production	Industrial	2	1.7	3.6	1.1	0.009	0.003	Yes	Yes	15	0.03	0.025	200	354	5	/	-40 to 125	/	SOIC-8, MSOP-8, DFN2X2-8
TPA5521	Production	Industrial	1	1.7	3.6	15	0.078	0.02	Yes	Yes	22	0.03	0.025	50	96	1.91	/	-40 to 125	/	SOT23-5, DFN1.4X1-4
TPA5582	Production	Industrial	2	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.01	0.01	200	10	0.2	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP-8, DFN2X2-8
TPA6581	Production	Industrial	1	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	SOT23-5, SC70-5, DFN0.8X0.8
TPA6582	Production	Industrial	2	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	SOIC-8, MSOP-8, TSSOP-8, DFN2X2-8

## Isolated Amplifiers & Modulators

Part Number	Status	Rating	Product Family	Features	Input Voltage Range (V)	Insulation Rating (Vrms)	Package
TPA8000	Production	Industrial	Isolated Amplifier	G = 8, Differential Output	0.25	5000	WSOP8, SMP8
TPA8001	Production	Industrial	Isolated Amplifier	G = 8.2, Differential Output	0.25	5000	WSOP8
TPA8003	Production	Industrial	Isolated Amplifier	G = 1, Differential Output	2	5000	WSOP8
TPA8101	Production	Industrial	Isolated Modulator	Clock In	0.25	5000	WSOP8, TSSOP8

## Comparators

Part Number	Status	Rating	Output type	Vs (min) (V)	Channel	Vs (max) (V)	Iq per Channel (typ) (µA)	Propagation Delay Time (ns)	Vos (offset voltage at 25° C) (max) (mV)	Input Bias Current (typ) (nA)	Rail-to-rail Input	Rail-to-rail Output	VICR (max) (V)	VICR (min) (V)	Operating Temperature Range (°C)	Feature	Package
LM2901A	Production	Industrial	Open-Drain	2	4	36	150	500	6	0.1	To VSS	Yes	VCC-2	VSS	-40 to 125	/	SOP14
LM2901A-Q100	Production	Industrial	Open-Drain	2.5	4	36	100	500	7	0.1	To VSS	Yes	VCC-2	VSS	-40 to 125	AEC-Q100 Qualified	SOP14, TSSOP14
LM2903A	Production	Industrial	Open-Drain	2	2	36	150	500	6	0.1	To VSS	Yes	VCC-2	VSS	-40 to 125	/	SOP8, MSOP8
LM2903A-Q100	Production	Industrial	Open-Drain	2.5	2	36	100	500	7	0.1	To VSS	Yes	VCC-2	VSS	-40 to 125	AEC-Q100 Qualified	SOP8, MSOP8, TSSOP8
LM2903D	Production	Industrial	Open-Drain	3	2	36	400	600	7	25	To VSS	Yes	VCC-2	VSS	-40 to 125	/	SOP8, MSOP8
LM2903DQ	Production	Automotive	Open-Drain	3	2	36	400	600	7	25	To VSS	Yes	VCC-2	VSS	-40 to 125	/	SOP8
LM331A	Production	Industrial	Open-Drain	2	1	36	150	500	6	0.1	To VSS	Yes	VCC-2	VSS	-40 to 125	/	SOT23-5
LM339A	Production	Industrial	Open-Drain	2	4	36	150	500	6	0.1	To VSS	Yes	VCC-2	VSS	-40 to 125	/	SOP14, TSSOP14
LM393A	Production	Industrial	Open-Drain	2	2	36	150	500	6	0.1	To VSS	Yes	VCC-2	VSS	-40 to 125	/	SOP8, TSSOP8, DFN2X2-8

Contact 3PEAK sales for more information and samples.

## Comparators

Part Number	Status	Rating	Output type	Vs (min) (V)	Channel	Vs (max) (V)	Iq per Channel (typ) (μA)	Propagation Delay Time (ns)	Vos (offset voltage at 25° C) (max) (mV)	Input Bias Current (typ) (nA)	Rail-to-rail Input	Rail-to-rail Output	VICR (max) (V)	VICR (min) (V)	Operating Temperature Range (° C)	Feature	Package
LMV331X	Production	Industrial	Open-Driain	2.5	1	5.5	50	120	4	0.03	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	SOT23-5, SC70-5
LMV393X	Production	Industrial	Open-Driain	2.5	2	5.5	50	120	4	0.03	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	SOP8, MSOP8
TPA2031Q	Production	Automotive	Push-Pull	1.8	1	5.5	350	42	6	0.03	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	SOT23-5
TPCMP251	Production	Industrial	Push-Pull	2.5	1	5.5	50	120	4	0.03	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	SOT23-5
TPCMP252	Production	Industrial	Push-Pull	2.5	2	5.5	50	120	4	0.03	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	MSOP8
TPCMP271	Production	Industrial	Push-Pull	2.5	1	5.5	650	10	10	0.03	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	SOT23-5
TPCMP272	Production	Industrial	Push-Pull	2.5	2	5.5	650	10	10	0.03	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	MSOP8
TPCMP761	Production	Industrial	Open-Driain	2.5	1	36	300	300	6	0.2	To VSS	Yes	VCC-1.5	VSS	-40 to 125	/	SOT23-5
TPCMP762	Production	Industrial	Open-Driain	2.5	2	36	150	300	6	0.2	To VSS	Yes	VCC-1.5	VSS	-40 to 125	/	SOIC-8
TPCMP764	Production	Industrial	Open-Driain	2.5	4	36	150	300	6	0.2	To VSS	Yes	VCC-1.5	VSS	-40 to 125	/	SOIC-14, TSSOP-14

## Current-sense Amplifiers

Part Number	Status	Rating	Feature	VCM Min	VCM Max	Vos drift Typ (μV/c)	Input Direction	CMRR Min (dB)	BW (kHz)	Gain Option	GE Max at full temp range (%)	GE Drift,max (ppm/c)	Vos max (μV)	Ib Typ (nA)	PWM Rejection	VS Min	VS Max	Iq Max (μA)	Channel	Comparator	Package
TPA1285	Production	Industrial	/	3	76		Uni-dir	110	60	G = 20	0.5	10	100		NO	3	5.5	1000	2	0	MSOP8
TPA1295	Production	Industrial	/	-0.1	70		Bi-dir	110	500	G = 50	0.5	5	100		NO	3	18	1000	1	0	SOP8
TPA183	Production	Industrial	Powered by Input Pin	2.7	30	0.1	Uni-dir	95	100 at G=25; 48 at G=50; 30 at G=100; 20 at G=200	G = 25, 50	1	10	250	35000	NO	2.7	30	220	1	0	SOT23-5
TPA191	Production	Industrial	/	-0.3	36	0.2	Bi-dir	95	150 at G=20; 80 at G=50; 50 at G=75; 30 at G=100; 15 at G=200	G = 50, 100, 200	1	10	50	22000	NO	2.7	36	115	1	0	SC70-6
TPA2295C	Production	Industrial	Integrated Comparator	-0.1	70		Uni-dir	110	500	G = 20, 50, 100	0.5	5	500		NO	3	18	1000	1	1	MSOP8
TPA2296	Production	Industrial	/	-0.1	70		Uni-dir	90	400 at G=20; 300 at G=50; 200 at G=100	G = 100	0.5	5	500		NO	3	18	1000	1	0	SOT23-5, SOT23-6

## Instrumentation Amplifiers

Part Number	Status	Rating	Feature	Product Family	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	VOS (Max) (μV)	Ib (Typ) (nA)	Bandwidth at G=1 (Typ) (MHz)	Slew Rate (Typ) (V/μs)	Gain Setting (V/V)	Gain Error at G=1 (Max) (%)	CMRR at G=1 (Min) (dB)	Package
TPA1286	Production	Industrial	/	Instrumentation Amplifier	4.5	36	50	0.3	1.6	5	1 to 1000	0.05	80	SOP8, MSOP8, DFN3X3-8

## Difference Amplifiers

Part Number	Status	Rating	Feature	Product Family	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq (Max) (mA)	VOS (Max) (μV)	Bandwidth (Typ) (MHz)	Slew Rate (Typ) (V/μs)	Gain Setting (V/V)	Gain Error (Max) (%)	Input Range (V)	CMRR (Typ) (dB)	Package
TPA9151	Production	Industrial	Two reference pin.	Difference Amplifier	4.5	36	3	1000	0.5	10	1	0.03	±275	90	SOP8
TPA9152	Production	Industrial	One reference pin.	Difference Amplifier	4.5	36	3	1000	0.5	10	1	0.03	±275	90	SOP8

Contact 3PEAK sales for more information and samples.

## Difference Amplifiers

Part Number	Status	Rating	Feature	Product Family	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	I <sub>q</sub> (Max) (mA)	VOS (Max) (μV)	Bandwidth (Typ) (MHz)	Slew Rate (Typ) (V/μs)	Gain Setting (V/V)	Gain Error (Max) (%)	Input Range (V)	CMRR (Typ) (dB)	Package
TPA9361	Production	Industrial	/	Difference Amplifier	4.5	36	2	300	3	5	1	0.05	-2 * (-VS) to 2 * [(+VS) - 1.5]	100	SOP8
TPA9363	Production	Industrial	/	Difference Amplifier	4.5	36	2	300	3	5	0.48	0.05	-3 * (-VS) to 3 * [(+VS) - 1.5]	100	SOP8

## Logarithmic Amplifiers

Part Number	Status	Rating	Feature	CH	VDD (V)	I <sub>Q</sub> (mA, Max)	Input Current Range	Logarithmic Slope (mV/dec, Typ.)	Law Conformance Error (dB, Max.)	Package
TPA9151	Production	Industrial	Two reference pin.	Difference Amplifier	4.5	36	3	1000	0.5	10
TPA9152	Production	Industrial	One reference pin.	Difference Amplifier	4.5	36	3	1000	0.5	10
TPA9361	Production	Industrial	/	Difference Amplifier	4.5	36	2	300	3	5
TPA9363	Production	Industrial	/	Difference Amplifier	4.5	36	2	300	3	5

## Amplifiers with Voltage Reference

Part Number	Status	Rating	Feature	Working Voltage (Max) (V)	V <sub>os</sub> (Max) (mV)	Voltage Reference (Typ) (V)	Voltage Reference Accuracy (Max) (%)	Reference for Current (Typ) (mV)	Package
TPA7252	Production	Industrial	/	3~36	4	2.5	0.01	/	SOP8
TPA7253	Production	Industrial	/	3~36	2	2.5	0.01	/	SOP8
TPA7256	Production	Industrial	/	3~36	/	1.21	0.01	70	SOT23-6

## Matched Resistor Network

Part Number	Status	Rating	Feature	Product Family	Resistor Configuration	Working Voltage (Max) (V)	Resistor Matching Ratio (Max) (%)	Resistor Matching Ratio Temperature Drift (Max) (ppm/°C)	Matching for CMRR (Max) (%)	Package
TPR8600	Production	Industrial	/	Matched Resistor Network	10k, 10k, 10k, 10k	60	0.025	1	0.015	EMSOP8
TPR8601	Production	Industrial	/	Matched Resistor Network	10k, 10k, 10k, 10k	60	0.025	1	0.015	EMSOP8
TPR8602	Production	Industrial	/	Matched Resistor Network	100k, 10k, 10k, 100k	60	0.025	1	0.015	EMSOP8
TPR8603	Production	Industrial	/	Matched Resistor Network	300k, 300k, 300k, 300k	60	0.03	1	0.02	EMSOP8

## Sensor Interface

Part Number	Status	Rating	Feature	VDD (V)	Description	Package
TPA8801B	Production	Industrial	/	2.1~5.5	high sensitivity current input interface	TSSOP14
TPAFE411	Production	Industrial	/	2.7~5.5	Close loop hall sensor signal conditioning	QFN4X4-20

Contact 3PEAK sales for more information and samples.

# Interface

## High Voltage Switch

Part Number	Status	Rating	Channel	Switch Config	VCC-VEE (Min) (V)	VCC-VEE (Max) (V)	VCC (Min) (V)	VCC (Max) (V)	VEE (Min) (V)	VEE (Max) (V)	Input Range	BW (MHz)	IQ ( $\mu$ A)	Ron ( $\Omega$ )	Leakage Current (nA)	VIH (Min) (V)	VIL (Max) (V)	tON (ns)	tOFF (ns)	Package
TPW4051	Production	Industrial	1	8:1	3	12	3	12	-6	0	VEE to VDD	200	8	120	400	2	0.8	60	50	SOP16, TSSOP16, QFN3X3-16
TPW4052	Production	Industrial	2	4:1	3	12	3	12	-6	0	VEE to VDD	200	8	120	400	2	0.8	60	50	SOP16, TSSOP16
TPW4053	Production	Industrial	3	2:1	3	12	3	12	-6	0	VEE to VDD	200	8	120	400	2	0.8	60	50	SOP16, TSSOP16
TPW4054	Production	Industrial	1	4:1	3	12	3	12	/	/	0V to VDD	200	8	120	400	2	0.8	60	50	MSOP10
TPW4066	Production	Industrial	4	1:1	3	12	3	12	/	/	0V to VDD	200	8	120	400	2	0.8	60	50	SOP14, TSSOP14
TPW4425	Production	Industrial	4	2:1	3	16	3	16	-8	0	VEE to VDD	150	0.1	4	100	1.5	0.5	320	130	QFN4X4-20

## Low Voltage Switch

Part Number	Status	Rating	Channel	Switch Config	VCC (Min) (V)	VCC (Max) (V)	Input Range	BW (MHz)	IQ ( $\mu$ A)	Ron ( $\Omega$ )	Leakage Current (nA)	VIH (Min) (V)	VIL (Max) (V)	tON (ns)	tOFF (ns)	Package
TPW1221	Production	Industrial	2	2:1	1.65	5.5	-2.5V to VCC	60	0.3	0.9	100	1.6	0.6	100	60	QFN1.4X1.8-10
TPW3111	Production	Industrial	1	1:1	1.65	5.5	0V to VCC	100	0.3	1.15	10	2.4	0.8	40	15	SOT23-5
TPW3115	Production	Industrial	1	1:1	1.65	5.5	0V to VCC	250	0.3	5	10	1.5	0.7	100	100	SOT23-5, SC70-5
TPW3125	Production	Industrial	1	2:1	1.65	5.5	0V to VCC	250	0.3	5	10	1.42	0.7	100	100	SC70-6
TPW3157A	Production	Industrial	1	2:1	1.65	5.5	0V to VCC	100	0.3	2	10	2.4	0.8	40	15	SC70-6
TPW3188Q	Production	Automotive	8	8:1	1.65	5.5	0V to VCC	250	0.3	75	100	1.25	0.75	22	11	TSSOP16
TPW3221	Production	Industrial	2	2:1	1.65	5.5	0V to VCC	100	0.3	1.15	10	2.4	0.8	40	15	MSOP10, DFN3X3-10
TPW3223	Production	Industrial	2	2:1	1.65	5.5	0V to VCC	100	0.3	1.15	10	2.4	0.8	40	15	QFN1.4X1.8-10
TPW3257	Production	Industrial	4	2:1	2.3	3.6	0V to 5.5V	400	1500 (max)	9	1000	1.7	0.7	8	8	QSOP16, SOP16, TSSOP16
TPW4157	Production	Industrial	1	2:1	1.65	5.5	0V to VCC	100	0.3	1.15	10	2.4	0.8	40	15	SOT23-6, SC70-6

## Level Shift

Part Number	Status	Rating	Drivers Per Package	Receivers Per Package	VCC (Min) (V)	VCC (Max) (V)	Data Rate (Max) (kBPS)	ICC (Max) (mA)	ESD HBM (kV)	IEC-61000-4-2 Contact (kV)	Operating Temperature Range ( $^{\circ}$ C)	Package
TPT24857	Production	Industrial	7	7	1.1	3.6	208000	7	8	/	-40 to +85	WLCSOP
TPT29306	Production	Industrial	1	1	1.2	5.5	1000	1	4	/	-40 to +85	MSOP8, DFN1.4X1-8, DFN3X4-8
TPT29336	Production	Industrial	1	1	1.2	5.5	12500	1	4	/	-40 to +125	MSOP8, VSSOP8
TPT29511H	Production	Industrial	1	1	2.3	5.5	1000	6	7	/	-40 to +125	SOP8, MSOP8
TPT29617A	Production	Industrial	1	1	1.2	5.5	1000	15	7	/	-40 to +125	SOP8, MSOP8

Contact 3PEAK sales for more information and samples.

## IO Expander

Part Number	Status	Rating	Drivers Per Package	Receivers Per Package	VCC (Min) (V)	VCC (Max) (V)	Data Rate (Max) (kBPS)	ICC (Max) (mA)	ESD HBM (kV)	IEC-61000-4-2 Contact (kV)	Operating Temperature Range (°C)	Package
TPT29539Q	Production	Automotive	2	16	1.65	5.5	400	0.03	4	/	-40 to +85	TSSOP24
TPT29545	Production	Industrial	1	4	2.5	5.5	400	0.03	3.5	/	-40 to +85	TSSOP20
TPT29546A	Production	Industrial	1	4	2.5	5.5	400	0.03	3.5	/	-40 to +85	TSSOP20
TPT29548	Production	Industrial	1	8	2.5	5.5	400	0.03	3.5	/	-40 to +85	TSSOP24, QFN4X4-24
TPT29548A	Production	Industrial	1	8	2.5	5.5	400	0.03	3.5	/	-40 to +85	TSSOP24, QFN4X4-24
TPT29548T	Production	Industrial	1	8	2.3	5.5	400	0.03	3.5	/	-40 to +125	QFN4X4-24
TPT29555A	Production	Industrial	2	16	1.65	5.5	400	0.03	4	/	-40 to +85	TSSOP24, QFN4X4-24

## CAN

Part Number	Status	Rating	Protocol	Supply Voltage (V)	Bus Fault Protection Voltage (V)	Max Data Rate (Mbps)	Channel	Feature	BUS Contact ESD (kV)	Package
TPT1042	Production	Industrial	CAN, CAN FD	4.5 to 5.5	- 70 to +70	5	1	Standby	15	DFN3X3-8, SOP8
TPT1042V	Production	Industrial	CAN, CAN FD	4.5 to 5.5	- 70 to +70	5	1	Standby, VIO	15	DFN3X3-8, SOP8
TPT1043	Production	Industrial	CAN, CAN FD	4.5 to 5.5	- 70 to +70	5	1	Silent, Standby, Sleep, INH, VIO	12	DFN4.5X3-14, SOP14
TPT1051H	Production	Industrial	CAN, CAN FD	4.5 to 5.5	- 70 to +70	5	1	Silent	15	DFN3X3-8, SOP8
TPT1051HV	Production	Industrial	CAN, CAN FD	4.5 to 5.5	- 70 to +70	5	1	Silent, VIO	15	DFN3X3-8, SOP8
TPT1255	Production	Industrial	CAN, CAN FD	4.5 to 5.5	- 42 to +42	5	1	Silent	15	DFN3X3-8, SOP8
TPT1256	Production	Industrial	CAN, CAN FD	4.5 to 5.5	- 42 to +42	5	1	Silent, VIO	15	DFN3X3-8, SOP8

## LIN

Part Number	Status	Rating	Protocol	Supply Voltage (V)	Bus Fault Protection Voltage (V)	Max Data Rate (Kbps)	Channel	Feature	BUS Contact ESD (kV)	Package
TPT1021Q	Production	Automotive	LIN	5.5 to 40	- 45 to +45	20	1	INH pin, WAKE pin	15	DFN3X3-8, SOP8

## RS232

Part Number	Status	Rating	Drivers Per Package	Receivers Per Package	VCC (Min) (V)	VCC (Max) (V)	Data Rate (Max) (kBPS)	ICC (Max) (mA)	ESD HBM (kV)	IEC-61000-4-2 Contact (kV)	Operating Temperature Range (°C)	Package
TPT3122E	Production	Industrial	2	2	3	5.5	1000	2	15	12	-40 to +125	QFN4X4-24
TPT3232A	Production	Industrial	2	2	3	5.5	250	1	15	12	-40 to +125	SOP16, SSOP16, TSSOP16
TPT3232E	Production	Industrial	2	2	3	5.5	250	15	8	12	-40 to +125	SOP16, SSOP16, TSSOP16
TPT3232X	Production	Industrial	2	2	3	5.5	250	1	17	12	-40 to +125	SOP16, SSOP16, TSSOP16
TPT3243	Production	Industrial	3	5	3	5.5	1000	1	18	20	-40 to +125	SOP28, SSOP28, TSSOP28, QFN5X5-32
TPT3335	Production	Industrial	3	5	3	5.5	1000	1	15	12	-40 to +125	SOP28, SSOP28, TSSOP28, QFN5X5-32

Contact 3PEAK sales for more information and samples.

## RS485

Part Number	Status	Rating	Drivers Per Package	Receivers Per Package	VCC (Min) (V)	VCC (Max) (V)	Data Rate (Max) (kBPS)	ICC (Max) (mA)	ESD HBM (kV)	IEC-61000-4-2 Contact (kV)	Operating Temperature Range (°C)	Package
TP8480	Production	Industrial	0	1	3	5.5	250	0.6	12	N/A	-40 to +126	SOP8
TP8481	Production	Industrial	1	0	3	5.5	250	0.35	12	N/A	-40 to +127	SOP8
TP8485E	Production	Industrial	1	1	3	5.5	250	0.93	18	Yes	-40 to +125	SOP8, MSOP8
TPT4031	Production	Industrial	4	0	3	5.5	50000	0.05	18	9	-40 to +125	SOP16, TSSOP16
TPT4032	Production	Industrial	0	4	3	5.5	50000	0.05	18	10	-40 to +125	SOP16, TSSOP16
TPT4089	Production	Industrial	1	1	3	5.5	500 or 20000	2.5	18	15	-40 to +125	SOP14
TPT4181	Production	Industrial	1	1	3	5.5	500 or 20000	2.2	15	15	-40 to +125	DFN3X3-10
TPT4189	Production	Industrial	1	1	3	5.5	20000	2.5	18	12	-40 to +125	SOP14
TPT480	Production	Industrial	1	1	3	5.5	20000	2.5	20	15	-40 to +125	SOP8, DFN3X3-8
TPT481	Production	Industrial	1	1	3	5.5	20000	2.7	18	15	-40 to +125	SOP8, MSOP8, DFN3X3-8
TPT482	Production	Industrial	1	1	3	5.5	20000	2.5	20	15	-40 to +125	SOP14
TPT485E	Production	Industrial	1	1	3	5.5	500	0.8	18	12	-40 to +125	SOP8
TPT485N	Production	Industrial	1	1	3	5.5	500	0.95	18	12	-40 to +125	SOP8
TPT486	Production	Industrial	1	1	3	5.5	500	2.5	20	15	-40 to +125	SOP14
TPT487	Production	Industrial	1	1	3	5.5	500	0.75	18	15	-40 to +125	SOP8, MSOP8, DFN3X3-8
TPT488	Production	Industrial	1	1	3	5.5	500	2.5	20	15	-40 to +125	DFN3X3-8, SOP8
TPT75176A	Production	Industrial	1	1	3	5.5	5000	5	12	Yes	-40 to +125	SOP8, MSOP8, DFN3X3-8
TPT75176B	Production	Industrial	1	1	3	5.5	10000	5	12	Yes	-40 to +125	SOP8, MSOP8, DFN3X3-8
TPT75176H	Production	Industrial	1	1	3	5.5	10000	2.2	15	15	-40 to +125	SOP8, MSOP8, DFN3X3-8

## MLVDS

Part Number	Status	Rating	Drivers Per Package	Receivers Per Package	VCC (Min) (V)	VCC (Max) (V)	Data Rate (Max) (kBPS)	ICC (Max) (mA)	ESD HBM (kV)	IEC-61000-4-2 Contact (kV)	Operating Temperature Range (°C)	Package
TPT9H111	Production	Industrial	1	1	3	3.6	100000	24	8	Yes	-40 to +85	SOP8
TPT9H221	Production	Industrial	1	1	3	3.6	200000	24	8	Yes	-40 to +85	SOP8
TPT9H221A	Production	Industrial	1	1	3	3.6	200000	24	8	/	-40 to +85	SOP8
TPT9L484	Production	Industrial	0	4	3	3.6	400000	20	8	Yes	-40 to +85	TSSOP16

## High Speed Mux

Part Number	Status	Rating	Function	Type	Speed (Mbits/s)	Number of Channels	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Ron (typ) (mΩ)	Input/Output Voltage (Min) (V)	Input/Output Voltage (Max) (V)	Configuration	Operating Temperature Range (°C)	Package
TPD160221	Production	Industrial	Type-C, USB 3.0, DP1.4, PCIe 4.0.	Passive mux	16000	2	3.6	3	7500	0	VCC	2:1 SPDT	-40 to 125	QFN2.5X4.5-20

Contact 3PEAK sales for more information and samples.

# Isolation

## Digital Isolators

Part Number	Status	Rating	Forward/Reverse Channels	Isolation Rating (Vrms)	Surge Voltage Capability (Vpk)	CMTI (kV/μs) (Static)	CMTI (kV/μs) (Dynamic)	Max Data Rate (Mbps)	Default Output	Package	Package
TPT7720	Production	Industrial	2/0	5000	10000	200	150	150	High	WSOP16, WSOP8, SOP8	WSOP16, WSOP8, SOP8
TPT7720F	Production	Industrial	2/0	5000	10000	200	150	150	Low	WSOP16, WSOP8, SOP8	WSOP16, WSOP8, SOP8
TPT7721	Production	Industrial	2/1	5000	10000	200	150	150	High	WSOP16, WSOP8, SOP8	WSOP16, WSOP8, SOP8
TPT7721F	Production	Industrial	2/1	5000	10000	200	150	150	Low	WSOP16, WSOP8, SOP8	WSOP16, WSOP8, SOP8
TPT7740	Production	Industrial	4/0	5000	10000	200	150	150	High	WSOP16, SOP16, QSOP16	WSOP16, WSOP8, SOP8
TPT7740F	Production	Industrial	4/0	5000	10000	200	150	150	Low	WSOP16, SOP16, QSOP16	WSOP16, WSOP8, SOP8
TPT7741	Production	Industrial	4/1	5000	10000	200	150	150	High	WSOP16, SOP16, QSOP16	WSOP16, SOP16, QSOP16
TPT7741F	Production	Industrial	4/1	5000	10000	200	150	150	Low	WSOP16, SOP16, QSOP16	WSOP16, SOP16, QSOP16
TPT7742	Production	Industrial	4/2	5000	10000	200	150	150	High	WSOP16, SOP16, QSOP16	WSOP16, SOP16, QSOP16
TPT7742F	Production	Industrial	4/2	5000	10000	200	150	150	Low	WSOP16, SOP16, QSOP16	WSOP16, SOP16, QSOP16

## ISO-RS485

Part Number	Status	Rating	Isolation Rating (Vrms)	Surge Voltage Capability (Vpk)	CMTI (kV/μs) (Static)	CMTI (kV/μs) (Dynamic)	Max Data Rate (Mbps)	Mode	Package
TPT7481	Production	Industrial	5000	10000	200	150	20	Half/Full Duplex	WSOP16, WSOP8
TPT7482	Production	Industrial	5000	10000	200	150	20	Half/Full Duplex	WSOP16, WSOP8
TPT7487	Production	Industrial	5000	10000	200	150	0.5	Half/Full Duplex	WSOP16, WSOP8
TPT7488	Production	Industrial	5000	10000	200	150	0.5	Half/Full Duplex	WSOP16, WSOP8

## ISO-CAN

Part Number	Status	Rating	Isolation Rating (Vrms)	Surge Voltage Capability (Vpk)	CMTI (kV/μs) (Static)	CMTI (kV/μs) (Dynamic)	Max Data Rate (Mbps)	Bus Fault Protection Voltage	Package
TPT71044	Production	Industrial	5000	10000	200	150	5	42V	WSOP16, WSOP8
TPT71050	Production	Industrial	5000	10000	200	150	5	42V	WSOP16, WSOP8

Contact 3PEAK sales for more information and samples.



## ISO-I2C

Part Number	Status	Rating	Isolation Rating (V rms)	Surge Voltage Capability (Vpk)	CMTI (kV/μs) (Static)	CMTI (kV/μs) (Dynamic)	Max Data Rate (Mbps)	Clock Direction	Package
TPT72616	Production	Industrial	3750	10000	200	150	1	Unidirection	SOP8
TPT72617	Production	Industrial	3750	10000	200	150	1	Bidirection	SOP8

## Isolated Amplifiers & Modulators

Part Number	Status	Rating	Product Family	Features	Input Voltage Range (V)	Insulation Rating (Vrms)	Package
TPA8000	Production	Industrial	Isolated Amplifier	G = 8, Differential Output	0.25	5000	WSOP8, SMP8
TPA8001	Production	Industrial	Isolated Amplifier	G = 8.2, Differential Output	0.25	5000	WSOP8
TPA8003	Production	Industrial	Isolated Amplifier	G = 1, Differential Output	2	5000	WSOP8
TPA8101	Production	Industrial	Isolated Modulator	Clock in	0.25	5000	WSOP8, TSSOP8

## Isolated Gate Drivers

Part Number	Status	Rating	Isolation Rating (Vrms)	Features	Channel	Peak Output Current (A)	Junction Temperature Range (°C)	Output Voltage Max (V)	Output Voltage Min (V)	Propagation Delay (ns)	Package
TPM23513	Production	Industrial	5700	/	1	5/5	-40 to +150	40	14	70	WSOP6
TPM23513B	Production	Industrial	5700	/	1	5/5	-40 to +150	40	10	70	WSOP6

# Data Converter

## Precision DAC

Part Number	Status	Rating	Resolution	VDD (V)	Channel	Output Type	Reference Type	Settling Time ( $\mu$ S)	Architecture	Output POR Status	INL	DNL (LSB, Max)	Offset Error (mV, Max)	IDD ( $\mu$ A/CH, Max) ( $\mu$ A)	Gain Error (% of FSR, Max)	Voltage Output Range (V)	D to A Glitch Impulse (nV-sec)	Interface Type	Temperature Range ( $^{\circ}$ C)	Package
TPC112S1	Production	Industrial	12	2.7~5.5	1	Buffered Voltage	Ext	14	String	0	$\pm 2$	$\pm 1$	$\pm 30$	80	$\pm 0.3$	0~Vref	2	SPI	-40 to +125	MSOP8
TPC112S4	Production	Industrial	12	2.7~5.5	4	Buffered Voltage	Ext	14	String	0	$\pm 2$	$\pm 1$	$\pm 30$	80	$\pm 0.3$	0~Vref	2	SPI	-40 to +125	TSSOP16
TPC112S8	Production	Industrial	12	2.7~5.5	8	Buffered Voltage	Ext	14	String	0	$\pm 2$	$\pm 1$	$\pm 30$	80	$\pm 0.3$	0~Vref	2	SPI	-40 to +125	TSSOP16, QFN4X4-16
TPC114S1	Production	Industrial	14	2.7~5.5	1	Buffered Voltage	Ext	14	String	0	$\pm 8$	$\pm 1$	$\pm 30$	80	$\pm 0.3$	0~Vref	2	SPI	-40 to +125	MSOP8
TPC116S1	Production	Industrial	16	2.7~5.5	1	Buffered Voltage	Ext	14	String	0	$\pm 16$	$\pm 1$	$\pm 30$	80	$\pm 0.3$	0~Vref	2	SPI	-40 to +125	MSOP8
TPC116S4	Production	Industrial	16	2.7~5.5	4	Buffered Voltage	Ext	14	String	0	$\pm 16$	$\pm 1$	$\pm 30$	80	$\pm 0.3$	0~Vref	2	SPI	-40 to +125	TSSOP16
TPC116S8	Production	Industrial	16	2.7~5.5	8	Buffered Voltage	Ext	14	String	0	$\pm 16$	$\pm 1$	$\pm 30$	80	$\pm 0.3$	0~Vref	2	SPI	-40 to +125	TSSOP16, QFN4X4-16
TPC2160	Production	Industrial	16	2.7~5.5	1	Unbuffered Voltage	Ext	1	R-2R	0	$\pm 1$	$\pm 1$	$\pm 0.17$	150	$\pm 0.011$	0~Vref	10	SPI	-40 to +105	SOP8
TPC2161	Production	Industrial	16	2.7~5.5	1	Unbuffered Voltage	Ext	1	R-2R	0	$\pm 1$	$\pm 1$	$\pm 0.17$	150	$\pm 0.011$	0~Vref	10	SPI	-40 to +105	SOP14
TPC2190	Production	Industrial	16	2.7~5.5	8	Buffered Voltage	Int, Ext	6	R-2R	0	$\pm 3$	$\pm 1$	$\pm 2.5$	750	$\pm 0.1$	0~Vref, 0~2*Vref	2.5	SPI	-40 to +125	QFN3X3-16, WLCSP2.4X2.4-16
TPC2192	Production	Industrial	12	2.7~5.5	8	Buffered Voltage	Int, Ext	6	R-2R	0	$\pm 1$	$\pm 1$	$\pm 2.5$	750	$\pm 0.1$	0~Vref, 0~2*Vref	2.5	SPI	-40 to +125	QFN3X3-16, WLCSP2.4X2.4-16

## Precision ADC

Part Number	Status	Rating	Resolution	VDD (V)	Channel	Throughput Rate (MSPs)	Architecture	Input Type	Multichannel Configuration	INL (LSB, Max)	DNL (LSB, Max)	Offset Error (LSB, Max)	Gain Error (LSB)	Voltage Input Range (V)	IDD (mA)	Digital Interface	Temperature Range ( $^{\circ}$ C)	Package
TPAFE5160	Production	Industrial	16	4.75~5.25	8	0.35	SAR	Pseudo-Differential	Simultaneous Sampling	$\pm 2$	$\pm 1$	$\pm 15$	$\pm 15$	$\pm 5, \pm 10$	52	Parallel/SPI	-40 to +125	LQFP10X10-64
TPAFE5161	Production	Industrial	16	4.75~5.25	4	0.35	SAR	Pseudo-Differential	Simultaneous Sampling	$\pm 2$	$\pm 1$	$\pm 15$	$\pm 15$	$\pm 5, \pm 10$	52	Parallel/SPI	-40 to +125	LQFP10X10-64
TPAFE5162	Production	Industrial	16	4.75~5.25	8	0.2	SAR	Pseudo-Differential	Simultaneous Sampling	$\pm 2$	$\pm 1$	$\pm 15$	$\pm 15$	$\pm 5, \pm 10$	52	Parallel/SPI	-40 to +125	LQFP10X10-64
TPC5120	Production	Industrial	12	2.7~5.5	16	1	SAR	Single-Ended	Multiplexed	$\pm 1.5$	(-1, 1.5)	$\pm 4$	$\pm 2$	0~-2.5, 0~5	1.65	SPI	-40 to +125	TSSOP38, QFN5X5-32
TPC5120Q	Production	Automotive	12	2.7~5.5	16	1	SAR	Single-Ended	Multiplexed	$\pm 1.5$	(-1, 1.5)	$\pm 4$	$\pm 2$	0 to Vref, 0 to 2xVref	3.8	SPI	-40 to +125	TSSOP38
TPC5121	Production	Industrial	12	2.7~5.5	8	1	SAR	Single-Ended	Multiplexed	$\pm 1.5$	(-1, 1.5)	$\pm 4$	$\pm 3$	0~-2.5, 0~5	1.65	SPI	-40 to +125	QFN4X4-24
TPC5160	Production	Industrial	16	4.5~5.5	1	0.6	SAR	Differential	/	$\pm 3.2$	$\pm 1$	$\pm 5$	$\pm 12$	-Vref to Vref	4.8	SPI	-40 to +125	MSOP10
TPC5161	Production	Industrial	16	4.5~5.5	1	0.6	SAR	Pseudo-Differential	/	$\pm 2.5$	(-0.99, +1.1)	$\pm 7$	$\pm 15$	0 to Vref	4.8	SPI	-40 to +125	MSOP10
TPC51701	Production	Industrial	16	4.5~5.5	8	1	SAR	Pseudo-Differential	Multiplexed	(-3.3, +2.3)	(-0.99, +1.1)	$\pm 14$	(-14, +29)	0 to Vref	7.6	SPI	-40 to +125	QFN4X4-20
TPC5180	Production	Industrial	18	4.5~5.5	1	0.3	SAR	Differential	/	$\pm 8$	(-0.99, +1.1)	$\pm 18$	$\pm 73$	-Vref to Vref	3.5	SPI	-40 to +125	MSOP10
TPC6240	Production	Industrial	24	3~5.5	16	0.008	Sigma-Delta	Differential, Single-Ended	Multiplexed	10ppmFSR	/	$\pm 0.18$	$\pm 1700$ ppm	-Vref/Gain to Vref/Gain	2	SPI	-40 to +125	QFN6X6-40

Contact 3PEAK sales for more information and samples.

## Current-Power Monitor

Part Number	Status	Rating	Feature	Channel	Resolution (Bits)	Common Mode Voltage (Max) (V)	Shunt Offset (+/-) (Max) ( $\mu$ V)	Gain Error (%)	CMRR (Min) (dB)	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Iq (Typ) (mA)	Digital Interface	Operating Temperature Range ( $^{\circ}$ C)	Package
TPA620	Production	Industrial	Bidirectional, Intergrated Power Monitor, Low-side Capable, Programmable Gain	12	12	0~36	50	0.4	110	5.5	2.7	1.1	I2C, SMBUS	-40 to +125	MSOP10
TPA626	Production	Industrial	Alert Function, Bidirectional, Intergrated Power Monitor, Low-side Capable, Ultra Precise	12	16	0~36	30	0.4	SPI/I2C	5.5	2.7	1.1	I2C, SMBUS	-40 to +125	MSOP10
TPA6271	Production	Industrial	Alert Function, Bidirectional, Intergrated Power Monitor, Low-side Capable, Ultra Precise	1	16	0~120	10	0.15	120	5.5	2.7	0.6	I2C, SMBUS	-40 to +125	MSOP10

## Multi-channel Configurable ADC/DAC Converter

Part Number	Status	Rating	ADC Input Channel	ADC Resolution (Bits)	ADC Input Range (V)	DAC Channel	DAC Resolution (Bits)	DAC Output Type	DAC Output Range	GPIO Number	VREF	Temperature Sensor	Interface	Features	Temperature Range ( $^{\circ}$ C)	Package
TPA7836B	Production	Industrial	21	12	High precision inputs: 0~5V, Bipolar inputs: -12.5V~12.5V	16	12	Voltage	-10V, -5V, 5V, 10V	8	Internal	Internal	SPI	21-channel, 12bits ADC, Sixteen 12-bits DACs with Programmable Output Ranges	-40 to +125	TQFP10X10-64
TPAFE0808	Production	Industrial	8	12	0~VREF, 0~2*VREF	8	12	Voltage	5V	8	Internal/External	Internal	SPI	8 Analog Pins Configurable as ADC/DAC/GPIO	-40 to +125	WLCSP, QFN3X3-16
TPAFEA008	Production	Industrial	4	12	0~5V	8	12	4 Voltage, 4 Current	Voltage: -5V, -2.5V, 2.5V, 5V Current: 200mA	4	Internal/External	Internal	SPI/I2C	4 IDACs, 4 VDACs with Positive/Negative Output	-40 to +125	WLCSP2.6X2.6-16

# LDO & Voltage Reference

## Low Voltage LDO

Part Number	Status	Rating	Minimum Input Voltage (V)	Maximum Input Voltage (V)	Output Voltage (V)	Accuracy (max)	Maximum Output Current (mA)	I <sub>q</sub> (typ) (mA)	Dropout (typ) (mV)	PSRR @ 1kHz (dB)	Noise (μVRMS)	Temperature Range (°C)	Feature	Package
TPL5031	Production	Industrial	1.5	5.5	Fixed (0.8, 1.2, 1.5, 1.8, 2.5, 2.8, 3.3)	±2%	300	0.055	250	70	178	-40 to +125	/	SOT23-5
TPL51200	Production	Industrial	2.375	5.5	Adjustable (REFIN)	±25mV	±3000	0.8	/	/	/	-40 to +125	/	DFN3X3-10
TPL51200-S	Production	Industrial	2.375	5.5	Adjustable (REFIN)	±25mV	±3000	0.8	/	/	/	-40 to +125	/	DFN3X3-10
TPL51201-S	Production	Industrial	2.375	5.5	Adjustable (REFIN)	±25mV	±3000	0.8	/	/	/	-40 to +125	/	DFN3X3-10
TPL51206	Production	Industrial	3	5.5	Adjustable (50% of REFIN)	±40mV	±2000	0.89	/	/	/	-40 to +125	/	DFN2X2-10
TPL6305	Production	Industrial	1.4	6.5	Adjustable (0.5 to 5.2)	±2%	3000	5	145	63	24	-40 to +125	/	ESOP8
TPL6305-S	Production	Industrial	1.4	6.5	Adjustable (0.5 to 5.2)	±2%	3000	5	145	63	24	-40 to +125	/	ESOP8
TPL710	Production	Industrial	2.4	6	Fixed (1.0, 1.2, 1.5, 1.8, 2.5, 2.8, 3.0, 3.3, 3.6)	±3%	200	0.0014	170	54	90	-40 to +125	/	SOT23-3, SOT23-5, DFN1X1-4
TPL720	Production	Industrial	2.4	6	Fixed (1.0, 1.2, 1.5, 1.8, 2.5, 2.8, 3.0, 3.3, 3.6)	±3%	400	0.0014	350	54	90	-40 to +125	/	SOT23-3, SOT23-5, SOT89-3
TPL730	Production	Industrial	2.4	5.5	Fixed (1.2, 1.5, 1.8, 2.5, 2.8, 3.0, 3.3), Adjustable (0.8 to 5)	±2%	300	0.049	200	60	40	-40 to +125	/	SOT23-5, SOT353, DFN1X1-4
TPL740	Production	Industrial	2.4	5.5	Fixed (1.2, 1.5, 1.8, 2.5, 2.8, 3.0, 3.3), Adjustable (0.8 to 5)	±2%	500	0.049	200	60	40	-40 to +125	/	SOT23-5, SOT23-6, SOT89-3
TPL9032	Production	Industrial	1.75	5.5	Fixed (1.2, 1.5, 1.8, 1.875, 2.5, 2.8, 2.85, 2.9, 3.0, 3.1, 3.3, 3.6, 4.5)	±2%	300	0.12	80	81.9	8.6	-40 to +125	/	SOT23-5, WLCSOP, DFN1X1-4
TPL9052	Production	Industrial	1.75	5.5	Fixed (1.2, 1.8, 3.3)	±2%	500	0.12	150	82	8.6	-40 to +125	/	SOT23-5, DFN1X1-4
TPL9052-S	Production	Industrial	1.75	5.5	Fixed (1.2, 1.5, 1.8, 2.5, 2.8, 3.0, 3.3, 3.6)	±2%	500	0.12	150	82	8.6	-40 to +125	AEC-Q100 Qualified	SOT23-5
TPL9053	Production	Industrial	1.7	5.5	Adjustable (0.6 to 5.3)	±1.5%	500	0.13	150	89	5.7	-40 to +125	/	DFN2X2-8
TPL9053-S	Production	Industrial	1.7	5.5	Adjustable (0.6 to 5.3)	±1.5%	500	0.13	150	89	5.7	-40 to +125	/	DFN2X2-8
TPL910A	Production	Industrial	2.2	6.5	Adjustable (0.8 to 6)	±2%	1000	0.13	150	80	4.5	-40 to +125	/	DFN3X3-8
TPL910Q	Production	Automotive	2.2	6.5	Adjustable (0.8 to 5)	±2%	1000	0.13	150	78	4.9	-40 to +150	/	DFN3X3-8
TPL9208-S	Production	Industrial	1.1	6.5	Adjustable (0.8 to 5.2)	±1%	2000	5	80	72	3.3	-40 to +125	/	QFN5X5-20, DFN2.5X2.5-10
TPL9218-S	Production	Industrial	1.4	6.5	Adjustable (0.8 to 5.2)	±1%	2000	5	80	70	6	-40 to +125	/	DFN2.5X2.5-10
TPL9305-S	Production	Industrial	1.1	6.5	Adjustable (0.5 to 5.2)	±1%	3000	5	120	65	4	-40 to +125	/	QFN3.5X3.5-20
TPL9308-S	Production	Industrial	1.1	6.5	Adjustable (0.8 to 5.2)	±1%	3000	5	120	65	4	-40 to +125	/	DFN3.5X3.5-10

## High Voltage LDO

Part Number	Status	Rating	Minimum Input Voltage (V)	Maximum Input Voltage (V)	Output Voltage (V)	Accuracy (max)	Maximum Output Current (mA)	I <sub>q</sub> (mA)	Dropout (mV)	PSRR (dB)	Noise (μVRMS)	Temperature Range (°C)	Package
TPL8020	Production	Industrial	6	24	Fixed (5)	±2%	200	0.0042	720	60	182	-40 to +125	SOT23-5
TPL8031	Production	Industrial	3	40	Fixed (3.3, 5)	±2.5%	300	0.003	440	65	/	-40 to +150	SOT23-5, SOT223-3, SOT89-3
TPL8031Q	Production	Automotive	3	42	Fixed (3.3, 5)	±2.5%	300	0.003	440	65	/	-40 to +150	DFN3X3-8, SOT223-3, EMSOP8
TPL8032	Production	Industrial	2.5	20	Fixed (3.3, 5), Adjustable (1.22 to 18)	±2%	300	0.098	375	79	5.68	-40 to +125	SOT23-5
TPL8032-S	Production	Industrial	2.5	20	Fixed (1.8, 3.3, 5), Adjustable (1.22 to 18)	±2%	300	0.098	375	79	5.68	-40 to +125	SOT23-5
TPL8032Q	Production	Automotive	2.5	20	Adjustable (1.22 to 18)	±2%	300	0.096	375	96	5.2	-40 to +150	ESOP8

Contact 3PEAK sales for more information and samples.

## High Voltage LDO

Part Number	Status	Rating	Minimum Input Voltage (V)	Maximum Input Voltage (V)	Output Voltage (V)	Accuracy (max)	Maximum Output Current (mA)	I <sub>q</sub> (mA)	Dropout (mV)	PSRR (dB)	Noise (μVRMS)	Temperature Range (°C)	Package
TPL8033	Production	Industrial	2.5	20	Adjustable (1.2 to 15)	±2%	200	2.2	250	110	1	-40 to +125	DFN3X3-10
TPL8035Q	Preview	Automotive	3	42	Fixed (3.3, 5)	±2%	300	0.003	440	65	/	-40 to +150	EMSOP-8, DFN3X3-8
TPL810	Production	Industrial	3.6	24	Fixed (2.8, 3, 3.3, 5), Adjustable (1.2 to 15)	±2%	180	0.002	800	65	70	-40 to +125	SOT23-3, SOT23-5, SOT89-3
TPL8151	Production	Industrial	2.75	29	Adjustable (1.25 to 25)	±2%	1500	0.075	1300	72	17.5	-40 to +125	DFN4X4-8
TPL8151-S	Production	Industrial	2.75	29	Adjustable (1.25 to 25)	±2%	1500	0.075	1300	72	17.5	-40 to +125	DFN4X4-8
TPL8151Q	Production	Automotive	2.75	29	Adjustable (1.25 to 25)	±2%	1500	0.075	1300	72	17.5	-40 to +150	ESOP-8
TPL820	Production	Industrial	3.6	42	Fixed (2.8, 3, 3.3, 5)	±2%	180	0.002	720	65	70	-40 to +125	SOT23-3, SOT23-5, SOT89-3, SOT223-3

## Shunt Voltage Reference

Part Number	Status	Rating	Output Voltage	I <sub>sink</sub> (min) (mA)	I <sub>sink</sub> (max) (mA)	Accuracy	TC (ppm/°C)	10 to 10kHz Voltage Noise (μVrms)	Output Capacitor Load (μF)	Feature	Package
TPR433-S	Production	Industrial	Adjustable (VREF to 36)	0.6	80	0.005	50	/	/	/	SOT23-G
TPR434-S	Production	Industrial	Adjustable (VREF to 36)	0.6	80	0.005	50	/	/	/	SOT23-G
TPR6040	Production	Industrial	Fixed (2.048, 2.5, 3.0, 3.3, 4.096, 5.0)	0.15	15	0.002	50	90	Any Load	/	SOT23-G
TPR6040-S	Production	Industrial	Fixed (2.048, 2.5, 3.0, 3.3, 4.096, 5.0)	0.15	15	0.001	25	90	Any Load	AEC-Q100 Qualified	SOT23-G

## Series Voltage Reference

Part Number	Status	Rating	V <sub>in</sub> (min) (V)	V <sub>in</sub> (max) (V)	Output Voltage	I <sub>q</sub> (max) (μA)	Accuracy (max)	TC (-40 to 85°C) (ppm/°C)	TC (-40 to 125°C) (ppm/°C)	0.1 to 10Hz Output Voltage Noise (μVpp)	Line Regulation (max) (ppm/V)	Load Regulation (max) (ppm/mA)	Output Capacitor Load (μF)	Feature	Package
TPR31-S	Production	Industrial	max (Ver+0.2, 3)	15	Fixed (1.25, 2.048, 2.5, 3.0, 3.3, 4.096, 4.5, 5.0)	1000	0.05%	5	10	7.5	20	20	0.1 to 100	/	SOT23-5
TPR33	Production	Industrial	max (Ver+0.05, 2.1)	5.5	Fixed (1.25, 2.048, 2.5, 3.0, 3.3, 4.096)	180	0.0015	20	30	50	50	20	0.1 to 10	/	SOT23-G
TPR33-S	Production	Industrial	max (Ver+0.05, 2.1)	5.5	Fixed (1.25, 2.048, 2.5, 3.0, 3.3, 4.096)	180	0.0015	20	30	50	50	20	0.1 to 10	AEC-Q100 Qualified	SOT23G-3, QFN1.5X1.5-8
TPR35	Production	Industrial	max (Ver+0.05, 2.1)	5.5	Fixed (1.25, 2.048, 2.5, 3.0, 3.3, 4.096)	210	0.002	30	50	50	50	20	0.1 to 10	/	SOT23-G
TPR50	Production	Industrial	max (Ver+0.2, 3)	15	Fixed (1.25, 2.048, 2.5, 3.0, 3.3, 4.096, 4.5, 5.0)	1000	0.0005	3	6	7.5	20	20	0.1 to 100	/	MSOP8, SOP8
TPR70	Production	Industrial	max (Ver+0.2, 7.5)	15	Fixed (2.5, 4.096, 5.0, 10)	1700	0.0005	5	3	2.5	5	20	0.1 to 100	/	SOP8

# Power Switches

## Efuses

Part Number	Status	Rating	Minimum Operating Voltage (V)	Maximum Operating Voltage (V)	Ron (typ) (mΩ)	Channel	Current Limit Type	Minimum Current Limit (mA)	Maximum Current Limit (mA)	Current Limit Accuracy	Current Sense Accuracy	Temperature Range (°C)	Package
TPS05P50	Production	Industrial	4.5	5.5	27	1	Adjustable	2000	5000	±15%	/	-40 to +125	DFN3X3-10
TPS14P50	Production	Industrial	4.5	14	27	1	Adjustable	2000	5000	±15%	/	-40 to +125	DFN3X3-10

# Supervisors

## Power Sequencer

Part Number	Status	Rating	VCC (V)	Timing Control	Power-up Sequence Control	Power-down Sequence Control	Open-drain Output	Output Voltage (V)	Channel	Junction Temperature Range (°C)	Package
TPK1031	Production	Industrial	2.7 ~ 5.5	Adjustable	FLAG1->FLAG2->FLAG3	FLAG3->FLAG2->FLAG1	Yes	0 ~ VCC	3	-40 to +125	MSOP8
TPK1032	Production	Industrial	2.7 ~ 5.5	11ms, 30ms, 60ms, 120ms, 2ms, 16ms	FLAG1->FLAG2->FLAG3	FLAG3->FLAG2->FLAG1	Yes	0 ~ VCC	3	-40 to +125	SOT23-3

## Reset ICs

Part Number	Status	Rating	Power Consumption (µA)	Power Supervisor	Manual Reset Input	Watchdog	Power Fail Input (PFI)	Reset Timeout Period (mS)	Watchdog Timeout Period (S)	Reset Output Polarity	Reset Output Type	Temperature Range (°C)	Package
TPV708	Production	Industrial	2.2	Yes	Yes	/	Yes	200	/	Low Active and High Active	Push-Pull	-40 to +125	SOP8
TPV803	Production	Industrial	2.2	Yes	/	/	/	200	/	Low Active	Open Drain	-40 to +125	SOT23G-3
TPV809	Production	Industrial	2.2	Yes	/	/	/	200	/	Low Active	Push-Pull	-40 to +125	SOT23-3, SOT23G-3
TPV810	Production	Industrial	2.2	Yes	/	/	/	200	/	High Active	Push-Pull	-40 to +125	SOT23G-3
TPV811	Production	Industrial	2.2	Yes	Yes	/	/	200	/	Low Active	Push-Pull	-40 to +125	SOT143
TPV821	Production	Industrial	2.2	Yes	Yes	/	/	200	/	Low Active	Open Drain	-40 to +125	SOT143
TPV8308	Production	Industrial	0.6	Yes	Yes	/	/	Programmable	/	Low Active or High Active	Push-Pull, Open Drain	-40 to +125	SOT23-6
TPV8318	Production	Industrial	0.8	Yes	Yes	/	/	Programmable	/	Low Active	Open Drain	-40 to +125	SOT23-5
TPV8348	Production	Industrial	0.4	Yes	Yes	/	/	Programmable	/	Low Active or High Active	Push-Pull, Open Drain	-40 to +125	DFN1.5X1-6
TPV8368Q	Production	Automotive	2	Yes	Yes	/	/	Programmable	/	Low Active	Open Drain	-40 to +125	SOT23-6

## Reset ICs with Watchdog

Part Number	Status	Rating	Power Consumption (µA)	Power Supervisor	Manual Reset Input	Watchdog	Power Fail Input (PFI)	Reset Timeout Period (mS)	Watchdog Timeout Period (S)	Reset Output Polarity	Reset Output Type	Temperature Range (°C)	Package
TPV6823	Production	Industrial	2.2	Yes	Yes	Yes	/	200	1.6	Low Active	Push-Pull	-40 to +125	SOT23-5
TPV706	Production	Industrial	2.2	Yes	Yes	Yes	Yes	200	1.6	Low Active	Push-Pull	-40 to +125	SOP8

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# Drivers

## DC Motor Drivers

Part Number	Status	Rating	VIN (V)	Rdson (H+L) (Ω)	Max Output Current (A)	# of Half Bridges	Temperature Range (°C)	Package
TPM16050	Production	Industrial	3~17	0.85	0.5	2	-40 to +125	SOT23-6
TPM8837C	Production	Industrial	2.5~17	0.85	1	2	-40 to +125	DFN2X2-8, SOP8
TPM8837E	Production	Industrial	2.5~12	1	1	2	-40 to +125	DFN2X2-8

## Stepper Motor Drivers

Part Number	Status	Rating	VIN (V)	Channel	Max Output Current (A)	Features	Package
TPM0596	Production	Industrial	5~50	8	0.5	Shift Register	TSSOP16
TPM2003	Production	Industrial	5~50	7	0.5	Parallel Input	SOP16, TSSOP16
TPM6501A	Production	Industrial	2.5~25	2	1	Push-pull Transformer Driver for Isolated Power, Spread Spectrum	SOT23-5
TPM8803	Production	Industrial	5~48	4	3	Short Protection	ETSSOP16
TPM8860	Production	Industrial	5~48	8	1.5	Shift-register Interface, Open-load, Short Protection	ETSSOP16
TPM8866	Production	Industrial	5~48	8	1.5	Shift-register Interface, Open-load, Short Protection, Fault Mask, CRC	ETSSOP24

## Isolated Gate Drivers

Part Number	Isolation Rating (Vrms)	Status	Rating	Features	Channel	Peak Output Current (A)	Junction Temperature Range (°C)	Output Voltage Max (V)	Output Voltage Min (V)	Propagation Delay (ns)	Package
TPM23513	5700	Production	Industrial	/	1	5/5	-40 to +150	40	14	70	WSOP6
TPM23513B	5700	Production	Industrial	/	1	5/5	-40 to +150	40	10	70	WSOP6

## Non-isolated Gate Drivers

Part Number	Status	Rating	VIN (V)	Channel	Max Output Current (A)	Input Voltage Range (V)	Junction Temperature Range (°C)	Rise/Fall Time (ns)	Propagation Delay (ns)	Delay Matching (ns)	Package
TPM2015Q	Production	Automotive	4.75~5.25	1	7	0~5	-40 to +150	0.45/0.45	2	N/A	QFN2X2-10
TPM2025	Production	Industrial	4.75~5.25	2	7	0~5	-40 to +150	0.45/0.45	2	0.05	QFN2X2-10
TPM2025Q	Production	Automotive	4.75~5.25	2	7	0~5	-40 to +150	0.45/0.45	2	0.05	QFN2X2-10
TPM27217	Production	Industrial	4.5~23	1	2	-5~20	-40 to +150	8/9	18	N/A	SOT23-5
TPM27224	Production	Industrial	4.5~23	2	2	-5~20	-40 to +150	8/9	18	1	DFN2X2-8, SOP8
TPM27517	Production	Industrial	4.5~25	1	5	-5~20	-40 to +150	7/6	14	N/A	SOT23-5
TPM27523	Production	Industrial	4.5~25	2	5	-5~20	-40 to +150	7/6	14	N/A	SOP8, EMSOP8, DFN2X2-8, DFN3X3-8
TPM27524	Production	Industrial	4.5~25	2	5	-5~20	-40 to +150	7/6	14	N/A	SOP8, EMSOP8, DFN2X2-8, DFN3X3-8
TPM27524Q	Production	Automotive	4.5~25	2	5	-5~20	-40 to +150	7/6	14	N/A	DFN2X2-8, EMSOP8, SOP8
TPM27525	Production	Industrial	4.5~25	2	5	-5~20	-40 to +150	7/6	14	N/A	SOP8, EMSOP8, DFN2X2-8, DFN3X3-8
TPM27526	Production	Industrial	4.5~25	2	5	-5~20	-40 to +150	7/6	14	N/A	SOP8, EMSOP8, DFN2X2-8, DFN3X3-8
TPM27533	Production	Industrial	10~40	1	5	-5~27	-40 to +150	15/7	20	1	SOT23-5
TPM44273	Production	Industrial	4.5~25	1	5	-5~20	-40 to +150	7/6	14	N/A	SOT23-5

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# DCDC

## Wide-Vin Buck Converters

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Control Mode	Switching Frequency (kHz)	Feature	Temperature Range (°C)	Package
TPP00031	Production	Industrial	4.5-100	1.225-100	300m	Constant On Time	1000	FPWM	-40 to +125	ESOP8
TPP00032	Production	Industrial	4.5-100	1.225-100	300m	Constant On Time	1000	PFM	-40 to +125	ESOP8
TPP302080	Production	Industrial	4.5-30	0.6-30	2	Peak Current Mode	500	PSM	-40 to +125	TSOT23-6
TPP302081	Production	Industrial	4.5-30	0.6-30	2	Peak Current Mode	2200	PSM	-40 to +125	TSOT23-6
TPP302082	Production	Industrial	4.5-30	0.6-30	2	Peak Current Mode	500	FPWM	-40 to +125	TSOT23-6
TPP302083	Production	Industrial	4.5-30	0.6-30	2	Peak Current Mode	2200	FPWM	-40 to +125	TSOT23-6
TPP303080	Production	Industrial	4.5-30	0.6-30	3	Peak Current Mode	400	PSM	-40 to +125	TSOT23-6
TPP361060	Production	Industrial	4.5-36	0.6-36	1	Peak Current Mode	500	PSM	-40 to +125	TSOT23-6
TPP361061	Production	Industrial	4.5-36	0.6-36	1	Peak Current Mode	2200	PSM	-40 to +125	TSOT23-6
TPP361062	Production	Industrial	4.5-36	0.6-36	1	Peak Current Mode	500	FPWM	-40 to +125	TSOT23-6
TPP361063	Production	Industrial	4.5-36	0.6-36	1	Peak Current Mode	2200	FPWM	-40 to +125	TSOT23-6
TPP361064	Preview	Industrial	4.5-36	0.6-36	1	Peak Current Mode	1000	PSM	-40 to +125	TSOT23-6
TPP361065	Preview	Industrial	4.5-36	0.6-36	1	Peak Current Mode	1000	FPWM	-40 to +125	TSOT23-6
TPP361080	Production	Industrial	4.5-36	0.6-36	1	Peak Current Mode	500	PSM	-40 to +125	TSOT23-6
TPP361081	Production	Industrial	4.5-36	0.6-36	1	Peak Current Mode	2200	PSM	-40 to +125	TSOT23-6
TPP361082	Production	Industrial	4.5-36	0.6-36	1	Peak Current Mode	500	FPWM	-40 to +125	TSOT23-6
TPP361083	Production	Industrial	4.5-36	0.6-36	1	Peak Current Mode	2200	FPWM	-40 to +125	TSOT23-6
TPP362080	Production	Industrial	4.5-36	0.6-36	2	Peak Current Mode	500	PSM	-40 to +125	TSOT23-6
TPP362081	Production	Industrial	4.5-36	0.6-36	2	Peak Current Mode	2200	PSM	-40 to +125	TSOT23-6
TPP362082	Production	Industrial	4.5-36	0.6-36	2	Peak Current Mode	500	FPWM	-40 to +125	TSOT23-6
TPP362083	Production	Industrial	4.5-36	0.6-36	2	Peak Current Mode	2200	FPWM	-40 to +125	TSOT23-6
TPP362084	Production	Industrial	4.5-36	0.6-36	2	Peak Current Mode	1000	PSM	-40 to +125	TSOT23-6
TPP362085	Production	Industrial	4.5-36	0.6-36	2	Peak Current Mode	1000	FPWM	-40 to +125	TSOT23-6
TPP363080	Production	Industrial	4.5-36	0.6-36	3	Peak Current Mode	400	PSM	-40 to +125	TSOT23-6
TPP363081	Production	Industrial	4.5-36	0.6-36	3	Peak Current Mode	1000	PSM	-40 to +125	TSOT23-6
TPP363082	Production	Industrial	4.5-36	0.6-36	3	Peak Current Mode	400	FPWM	-40 to +125	TSOT23-6
TPP363083	Production	Industrial	4.5-36	0.6-36	3	Peak Current Mode	1000	FPWM	-40 to +125	TSOT23-6
TPP38002	Production	Industrial	4.5-36	0.6-36	2	Peak Current Mode	500	Isolated-Buck	-40 to +125	TSOT23-6
TPP60308	Production	Industrial	4.5-60	0.8-60	3.5	Peak Current Mode	100-2500	/	-40 to +125	ESOP8
TPP60506	Production	Industrial	4.5-60	0.8-60	5	Peak Current Mode	100-2500	Softstart/Tracking	-40 to +125	ESOP8
TPP60508	Production	Industrial	4.5-60	0.8-60	5	Peak Current Mode	100-2500	Softstart/Tracking	-40 to +125	DFN4X4-10

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## Mid-Voltage Buck Converters

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Control Mode	Switching Frequency (kHz)	Feature	Temperature Range (°C)	Package
TPP206080	Production	Industrial	4.5~17	0.6~17	6	Peak Current Mode	200-1600	Softstart/Tracking	-40 to +125	QFN3.5X3.5-14
TPP206081	Production	Industrial	4.5~17	0.8~17	6	Peak Current Mode	200-1600	Softstart/Tracking	-40 to +125	QFN3.5X3.5-14

## Low-Voltage Buck Converters

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Temperature Range (°C)	Control Mode	Package
TPP056080	Production	Industrial	2.8~6	0.6~6	6	-40 to +125	Peak Current Mode	QFN3X3-16

## DrMOS

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Temperature Range (°C)	Current Limit (A)	trise (ns)	tfall (ns)	PWM Logic (V)	Package
TPM1525	Production	Industrial	7~140	/	1	-40 to +125	20	40	40	3.3	SOP8

## Boost Converter

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Temperature Range (°C)	Package
TPQ05100	Production	Industrial	0.9~5.5	1.8~5.5	0.6	-40 to +125	WLCSP, DFN2X2-6
TPQ051003	Production	Industrial	0.9~5.5	1.8~5.5	0.6	-40 to +125	WLCSP, DFN2X2-6
TPQ051004	Production	Industrial	0.9~5.5	1.8~5.5	0.6	-40 to +125	WLCSP, DFN2X2-6
TPQ051007	Production	Industrial	0.9~5.5	1.8~5.5	0.6	-40 to +125	WLCSP, DFN2X2-6
TPQ80302	Production	Industrial	3.1~80	VIN~80	4	-40 to +125	QFN3.5X3.5-20

## PoE

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Temperature Range (°C)	PD Hot-Swap Switch Rds(on) (Ω)	PoE Standards Supported	PoE Current Limit (mA)	DCDC Controller or Converter	DCDC Topology	DCDC Integrated Switch Rds(on) (Ω)	Switching Frequency (kHz)	Max Duty Cycle (%)	Fault Response	Special Features	Package
TPE15017	Production	Industrial	24~57	/	/	-40 to +125	0.56	802.3af	460	Converter	Flyback	0.36/0.78	200 - 700	74	Hiccup	EMI Reduction with Frequency Dithering, Active-Clamp PSR Flyback	QFN3X4-19

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# Battery Management

## Linear Charger ICs

Part Number	Status	Rating	VIN MAX (V)	Float Voltage (V)	Float Voltage Accuracy	Max Output Current (mA)	IBAT ( $\mu$ A)	OVP (V)	Temperature Range ( $^{\circ}$ C)	Package
TPB4056A	Production	Industrial	26.5	4.2	0.01	1000	4	6.8	-40 to +125	ESOP8, DFN2X2-8
TPB4056B	Production	Industrial	26.5	4.2	0.01	1000	4	10.5	-40 to +125	ESOP8, EMSOP8

## Battery Protectors

Part Number	Status	Rating	VIN (V)	OV Threshold (V)	OV Threshold Accuracy (mV)	OV Delay (s)	Overcharge Delay Timer Reset Delay Time (ms)	Shutdown Current ( $\mu$ A)	CTL Function	LDO Function	Package
TPB7462	Production	Industrial	28	4.5	$\pm$ 20	4	0.38	0.4 (max)	Available	Available	DFN2X2-8

## High Side Driver

Part Number	Status	Rating	Temperature Range ( $^{\circ}$ C)	Package
TPB76200	Production	Industrial	-40 to +125	TSSOP16



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