



ANALOG PRODUCTS SELECTION GUIDE

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Amplifier & Special Function Circuits

High Voltage Op Amps (Vs > 10V)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Operating Temperature Range (°C)	Features	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	/	SOP14,TSSOP14
LM2902A-Q100	Production	Industrial	4	3	36	300	0.9	0.5	No, to V- only	Yes	25	4	7	60	70	20	-40 to 125	AEC-Q100 Qualified	SOP14,TSSOP14
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	/	MSOP8,SOP8,TSSOP8
LM2904A-Q100	Production	Industrial	2	3	36	300	0.9	0.5	No, to V- only	Yes	25	4	7	60	70	20	-40 to 125	AEC-Q100 Qualified	MSOP8,SOP8,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	/	SOP14,TSSOP14
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	/	DFN1.5X1.5-8,MSOP8,SOP8,TSSOP8
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	/	SOP8
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	/	MSOP8,SOP8
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	/	SOP8,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	/	MSOP8,SOP8
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	/	SOP14,TSSOP14
TP17	Production	Industrial	1	3	36	2000	6	20	No, to V- only	Yes	32	0.1	1	25	25	12	-40 to 125	/	SOP8
TP2261	Production	Industrial	1	3	36	1500	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	-40 to 125	/	SOP8,SOT23-5,SOT353
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	/	MSOP8,SOP8,TSSOP8
TP2262-Q100	Production	Industrial	2	3	36	1000	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	-40 to 125	/	SOP8
TP2264	Production	Industrial	4	3	36	1000	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	-40 to 125	/	SOP14,TSSOP14
TP2264-Q100	Production	Industrial	4	3	36	1000	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	-40 to 125	/	TSSOP14
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	/	MSOP8,SOP8,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	/	SOP14,TSSOP14
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	/	MSOP8,SOP8,TSSOP8
TP2584	Production	Industrial	4	3	36	4000	10	8	No, to V- only	Yes	32	3	2	25	35	8	-40 to 125	/	SOP14,TSSOP14
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	/	SOP8
TPA1652	Production	Industrial	2	4.5	36	900	5	3.5	No	Yes	70	1	4	30000	62	18	-40 to 125	/	SOP8
TPA1731	Production	Industrial	1	4.5	36	710	3	4	Yes	Yes	62	0.075	0.5	20	21	9.4	-40 to 125		SOT23-5

Contact 3PEAK sales for more products information and samples.

High Voltage Op Amps (Vs > 10V)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Operating Temperature Range (°C)	Features	Package
TPA1732	Production	Industrial	2	4.5	36	710	3	4	Yes	Yes	62	0.075	0.5	20	21	9.4	-40 to 125		SOP8
TPA1781	Production	Industrial	1	4.5	36	1800	10	20	Yes	Yes	60	0.035	0.15	25	10	2.5	-40 to 125	two-temperature trim	SOP8,SOT23-5
TPA1782	Production	Industrial	2	4.5	36	1800	10	20	Yes	Yes	60	0.035	0.15	25	10	2.5	-40 to 125	two-temperature trim	SOP8
TPA1811	Production	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	/	SOP8,SOT23-5
TPA1812	Production	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	/	MSOP8,SOP8
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	/	SOP8,SOT23-5
TPA1832	Production	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	/	MSOP8,SOP8
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	/	SOP14,TSSOP14
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	/	SOP8,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	/	DFN3X3-8,MSOP8,SOP8
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	/	SOP8
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	/	SOP14,TSSOP14
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	/	SOP8,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	/	MSOP8,SOP8
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	/	MSOP8,SOP8
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	/	MSOP8,SOP8
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	/	SOP14,TSSOP14
TPA2644-Q100	Production	Industrial	4	3	36	550	1.5	0.5	No, to V- only	No	50	3	5	15000	50	1.6	-40 to 125	AEC-Q100 Qualified	SOP14
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	/	MSOP8,SOP8,TSSOP8
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	/	SOP14,TSSOP14
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	/	MSOP8,SOP8,TSSOP8
TPA2772	Production	Industrial	2	3	36	1.25	4	3.5	Yes	Yes	100	3.5	1	-20000	53	5.5	-40 to 125	/	MSOP8,SOP8
TPA2772Q	Production	Industrial	2	3	36	1000	4	3.5	Yes	Yes	100	3.5	1	-20000	53	5.5	-40 to 125	/	SOP8
TPA2774	Production	Industrial	4	3	36	1.25	4	3.5	Yes	Yes	100	3.5	1	-20000	53	5.5	-40 to 125	/	SOP14
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	SOP8

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High Voltage Op Amps (Vs > 10V)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Operating Temperature Range (°C)	Features	Package
TPA3531	Production	Industrial	1	4.5	16	900	2.1	1.4	No, to V- only	Yes	31	0.25	2	0.2	18	/	-40 to 125	Low Ib	SOP8
TPA3662	Production	Industrial	2	2.7	16	1200	2.5	2	Yes	Yes	40	0.25	2	10	25	/	-40 to 125	Zero Crossover	MSOP8,SOP8
TPA3664	Production	Industrial	4	2.7	16	1200	2.5	2	Yes	Yes	40	0.25	2	10	25	/	-40 to 125	Zero Crossover	SOP14

Low Voltage Op Amps (Vs < 10V)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/ Disable	Operating Temperature Range (°C)	Features	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,SOT353
LMV321TP	Production	Industrial	1	2.1	6	51	1.27	0.9	Yes	Yes	45	3.5	2	1	39	5.6	/	-40 to 125	/	SOT23-5,SOT353
LMV321X	Production	Industrial	1	2.5	5.5	160	1.5	0.7	Yes	Yes	90	5	1	10	22	13.5	/	-40 to 125	/	SOT23-5
LMV324B	Production	Industrial	4	2.5	5.5	130	1	0.7	Yes	Yes	100	4	2	1	35	8	/	-40 to 125	/	SOP14,TSSOP14
LMV324TP	Production	Industrial	4	2.1	6	51	1.27	0.9	Yes	Yes	45	3.5	2	1	39	5.6	/	-40 to 125	/	SOP14,TSSOP14
LMV324X	Production	Industrial	4	2.5	5.5	160	1.5	0.7	Yes	Yes	90	5	1	10	22	13.5	/	-40 to 125	/	SOP14,TSSOP14
LMV358B	Production	Industrial	2	2.5	5.5	130	1	0.7	Yes	Yes	100	4	2	1	35	8	/	-40 to 125	/	MSOP8,SOP8,TSSOP8
LMV358TP	Production	Industrial	2	2.1	6	51	1.27	0.9	Yes	Yes	45	3.5	2	1	39	5.6	/	-40 to 125	/	DFN2X2-8,MSOP8,SOP8
LMV358X	Production	Industrial	2	2.5	5.5	160	1.5	0.7	Yes	Yes	90	5	1	10	22	13.5	/	-40 to 125	/	MSOP8,SOP8
SN1512	Production	Industrial	2	2.1	6	5.6	0.15	0.09	Yes	Yes	40	3	0.6	1	95	3.6	/	-40 to 125	/	SOP8
SN6581	Production	Industrial	1	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	DFN0.8X0.8-4,SOT23-5
SN6584	Production	Industrial	4	2.7	5.5	1500	10	8	Yes	Yes	135	1.5	0.1	10	10	2	/	-40 to 125	/	SOP14,TSSOP14
TP1511	Production	Industrial	1	2.1	6	5.6	0.15	0.09	Yes	Yes	40	3	0.6	1	95	3.6	/	-40 to 125	/	DFN1X1-4,SOT23-5
TP1512	Production	Industrial	2	2.1	6	5.6	0.15	0.09	Yes	Yes	40	3	0.6	1	95	3.6	/	-40 to 125	/	MSOP8,SOP8
TP1514	Production	Industrial	4	2.1	6	5.6	0.15	0.09	Yes	Yes	40	3	0.6	1	95	3.6	/	-40 to 125	/	SOP14,TSSOP14
TP1561A	Production	Industrial	1	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	/	SOT23-5,SOT353
TP1561A-Q100	Production	Industrial	1	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	/	SOT23-5
TP1562A	Production	Industrial	2	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	/	DFN2X2-8,MSOP8,SOP8,TSSOP8

Low Voltage Op Amps (Vs < 10V)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/ Disable	Operating Temperature Range (°C)	Features	Package
TP1562A-Q100	Production	Industrial	2	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	/	MSOP8,SOP8
TP1562A-S	Production	Industrial	2	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	AEC-Q100 Qualified	DFN2X2-8,MSOP8 ,SOP8,SOT23-8
TP1564A	Production	Industrial	4	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	/	SOP14,TSSOP14
TP1564A-Q100	Production	Industrial	4	2.5	6	900	6	4.5	Yes	Yes	100	3	1	1	19	8	/	-40 to 125	/	SOP14,TSSOP14
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,SOT353
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	/	DFN2X2-8,MSOP8 ,SOP8
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,SOT353
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	/	MSOP8,SOP8
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	/	SOP14,TSSOP14
TP2191	Production	Industrial	1	1.8	6	0.9	0.018	0.01	Yes	Yes	20	0.6	0.4	1	170	6.5	/	-40 to 125	/	SOT23-5
TP2301	Production	Industrial	1	2.2	5.5	5000	20	25	Yes	Yes	130	0.05	1	0.3	7.3	2	/	-40 to 125	/	SOT23-5
TP2302	Production	Industrial	2	2.2	5.5	5000	20	25	Yes	Yes	130	0.05	1	0.3	7.3	2	/	-40 to 125	/	MSOP8,SOP8
TP2304	Production	Industrial	4	2.2	5.5	5000	20	25	Yes	Yes	130	0.05	1	0.3	7.3	2	/	-40 to 125	/	TSSOP14
TP2311	Production	Industrial	1	2.2	5.5	1950	10	7	Yes	Yes	130	0.05	1	0.3	8.2	3.14	/	-40 to 125	/	SOT23-5
TP2312	Production	Industrial	2	2.2	5.5	1950	10	7	Yes	Yes	130	0.05	1	0.3	8.2	3.14	/	-40 to 125	/	MSOP8,SOP8,SO T23-8
TP2314	Production	Industrial	4	2.2	5.5	1950	10	7	Yes	Yes	130	0.05	1	0.3	8.2	3.14	/	-40 to 125	/	SOP14,TSSOP14
TP2331	Production	Industrial	1	2.2	5.5	280	1.6	0.84	Yes	Yes	130	0.1	1	0.3	13	4.1	/	-40 to 125	/	SOT23-5
TP2332	Production	Industrial	2	2.2	5.5	280	1.6	0.84	Yes	Yes	130	0.1	1	0.3	13	4.1	/	-40 to 125	/	MSOP8,SOP8
TP2402	Production	Industrial	2	2.2	5.5	5000	20	25	Yes	Yes	130	1	1	0.3	7.3	2	/	-40 to 125	/	MSOP8,SOP8
TP2404	Production	Industrial	4	2.2	5.5	5000	20	25	Yes	Yes	130	1	1	0.3	7.3	2	/	-40 to 125	/	TSSOP14
TP2411	Production	Industrial	1	2.2	5.5	1950	10	7	Yes	Yes	130	1	1	0.3	8.2	3.14	/	-40 to 125	/	SOT23-5
TP2412	Production	Industrial	2	2.2	5.5	1950	10	7	Yes	Yes	130	1	1	0.3	8.2	3.14	/	-40 to 125	/	MSOP8,SOP8,SO T23-8,TSSOP8
TP2414	Production	Industrial	4	2.2	5.5	1950	10	7	Yes	Yes	130	1	1	0.3	8.2	3.14	/	-40 to 125	/	SOP14,TSSOP14
TP2431	Production	Industrial	1	2.2	5.5	280	1.6	0.84	Yes	Yes	130	1	1	0.3	13	4.1	/	-40 to 125	/	SOT23-5
TP2432	Production	Industrial	2	2.2	5.5	280	1.6	0.84	Yes	Yes	130	1	1	0.3	13	4.1	/	-40 to 125	/	MSOP8,SOP8
TP2434	Production	Industrial	4	2.2	5.5	280	1.6	0.84	Yes	Yes	130	1	1	0.3	13	4.1	/	-40 to 125	/	SOP14,TSSOP14
TP321	Production	Industrial	1	2.1	6	87	1	1	Yes	Yes	40	5	2	10	45	5.6	/	-40 to 125	/	DFN1X1-4,SOT23-5

Low Voltage Op Amps (Vs < 10V)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/ Disable	Operating Temperature Range (°C)	Features	Package
TP324	Production	Industrial	4	2.1	6	87	1	1	Yes	Yes	40	5	2	10	45	5.6	/	-40 to 125	/	SOP14
TP358	Production	Industrial	2	2.1	6	87	1	1	Yes	Yes	40	5	2	10	45	5.6	/	-40 to 125	/	SOP8
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,SOT353
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	/	DFN2X2-8,MSOP8,SOP8
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	/	SOP14,TSSOP14
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	/	SOP8,SOT23-5
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	/	MSOP8,SOP8
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	/	TSSOP14
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	/	SOP8,SOT23-5,SOT353
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	/	MSOP8,SOP8
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	/	SOP14,TSSOP14
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,SOT353
TP6002	Production	Industrial	2	2.1	6	130	1.3	0.7	Yes	Yes	50	3	1	1	27	8	/	-40 to 125	/	DFN2X2-8,MSOP8,SOP8
TP6004	Production	Industrial	4	2.1	6	130	1.3	0.7	Yes	Yes	50	3	1	1	27	8	/	-40 to 125	/	SOP14,TSSOP14
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	/	DFN1X1.4-4,SOT23-5
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	/	DFN2X2-8,MSOP8,SOP8
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	/	DFN1X1.4-4,SOT23-5
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	/	SOP8
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,SOT353
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	/	MSOP8,SOP8,TSSOP8
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	/	MSOP8,SOP8
TPA5571Q	Production	Automotive	1	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.1	0.01	200	10	0.2	/	-40 to 125	/	SOT23-5
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	/	MSOP8,SOP8
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,SOT353
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

Low Voltage Op Amps (Vs < 10V)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/ Disable	Operating Temperature Range (°C)	Features	Package
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	/	DFN2X2-8,MSOP8 ,SOP8,TSSOP8
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,SOT353
TPA5602	Production	Industrial	2	2.5	5.5	2300	15	7	Yes	Yes	115	0.006	0.013	30	10	0.5	/	-40 to 125	/	SOP8
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
TPA6031	Production	Industrial	1	2.5	5.5	125	1.5	0.7	Yes	Yes	85	3	1	50	22	8	/	-40 to 125	/	SOT23-5
TPA6032	Production	Industrial	2	2.5	5.5	125	1.5	0.7	Yes	Yes	85	3	1	50	22	8	/	-40 to 125	/	MSOP8,SOP8
TPA6034	Production	Industrial	4	2.5	5.5	125	1.5	0.7	Yes	Yes	85	3	1	50	22	8	/	-40 to 125	/	SOP14,TSSOP14
TPA6061	Production	Industrial	1	2.5	5.5	1000	6	5	Yes	Yes	90	3	1	10	25	7	/	-40 to 125	/	SOT23-5
TPA6062	Production	Industrial	2	2.5	5.5	1000	6	5	Yes	Yes	90	3	1	10	25	7	/	-40 to 125	/	MSOP8,SOP8
TPA6064	Production	Industrial	4	2.5	5.5	1000	6	5	Yes	Yes	90	3	1	10	25	7	/	-40 to 125	/	SOP14,TSSOP14
TPA6101	Production	Industrial	1	1.4	5.5	0.013	0.24	0.13	Yes	Yes	60	3.1	2	10	60	20	/	-40 to 85	/	DFN0.8X0.8-4
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,SOT353
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	/	MSOP8,SOP8
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	/	QFN3X3-16,SOP1 4,TSSOP14
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,SOT353
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	/	MSOP8,SOP8
TPA6554	Production	Industrial	4	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	/	-40 to 125	/	SOP14,TSSOP14
TPA6581	Production	Industrial	1	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	DFN0.8X0.8-4,SO T23-5,SOT353
TPA6581Q	Production	Automotive	1	2.7	5.5	1200	10	8	Yes	Yes	60	2	0.1	10	10	2	/	-40 to 125	/	SOT23-5
TPA6582	Production	Industrial	2	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	DFN2X2-8,MSOP8 ,SOP8,TSSOP8
TPA6582Q	Production	Automotive	2	2.7	5.5	1200	10	8	Yes	Yes	60	2	0.1	10	10	2	/	-40 to 125	/	MSOP8,SOP8
TPA6584	Production	Industrial	4	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	SOP14,TSSOP14
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	/	MSOP8,SOP8
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	/	SOP14,TSSOP14

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Low Voltage Op Amps (Vs < 10V)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/ Disable	Operating Temperature Range (°C)	Features	Package
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
TSN250002	Production	Industrial	2	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	/	-40 to 125	/	MSOP8,SOP8

Precision Op Amps (Vos <= 1mV)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/ Disable	Operating Temperature Range (°C)	Features	Package
SNA0002	Production	Industrial	2	2	5.5	55	0.35	0.16	Yes	Yes	60	0.01	0.008	50	55	1.1	/	-40 to 125	/	MSOP8,SOP8
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	/	SOP8
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	/	MSOP8,SOP8
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	/	SOP8,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	/	MSOP8,SOP8
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	/	SOP14,TSSOP14
TP17	Production	Industrial	1	3	36	2000	6	20	No, to V- only	Yes	32	0.1	1	25	25	12	/	-40 to 125	/	SOP8
TP2191	Production	Industrial	1	1.8	6	0.9	0.018	0.01	Yes	Yes	20	0.6	0.4	1	170	6.5	/	-40 to 125	/	SOT23-5
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	/	MSOP8,SOP8,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	/	SOP14,TSSOP14
TP2301	Production	Industrial	1	2.2	5.5	5000	20	25	Yes	Yes	130	0.05	1	0.3	7.3	2	/	-40 to 125	/	SOT23-5
TP2302	Production	Industrial	2	2.2	5.5	5000	20	25	Yes	Yes	130	0.05	1	0.3	7.3	2	/	-40 to 125	/	MSOP8,SOP8
TP2304	Production	Industrial	4	2.2	5.5	5000	20	25	Yes	Yes	130	0.05	1	0.3	7.3	2	/	-40 to 125	/	TSSOP14
TP2311	Production	Industrial	1	2.2	5.5	1950	10	7	Yes	Yes	130	0.05	1	0.3	8.2	3.14	/	-40 to 125	/	SOT23-5
TP2312	Production	Industrial	2	2.2	5.5	1950	10	7	Yes	Yes	130	0.05	1	0.3	8.2	3.14	/	-40 to 125	/	MSOP8,SOP8,SOT23-8
TP2314	Production	Industrial	4	2.2	5.5	1950	10	7	Yes	Yes	130	0.05	1	0.3	8.2	3.14	/	-40 to 125	/	SOP14,TSSOP14
TP2331	Production	Industrial	1	2.2	5.5	280	1.6	0.84	Yes	Yes	130	0.1	1	0.3	13	4.1	/	-40 to 125	/	SOT23-5

Precision Op Amps (Vos <= 1mV)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/Disable	Operating Temperature Range (°C)	Features	Package
TP2332	Production	Industrial	2	2.2	5.5	280	1.6	0.84	Yes	Yes	130	0.1	1	0.3	13	4.1	/	-40 to 125	/	MSOP8,SOP8
TP2402	Production	Industrial	2	2.2	5.5	5000	20	25	Yes	Yes	130	1	1	0.3	7.3	2	/	-40 to 125	/	MSOP8,SOP8
TP2404	Production	Industrial	4	2.2	5.5	5000	20	25	Yes	Yes	130	1	1	0.3	7.3	2	/	-40 to 125	/	TSSOP14
TP2411	Production	Industrial	1	2.2	5.5	1950	10	7	Yes	Yes	130	1	1	0.3	8.2	3.14	/	-40 to 125	/	SOT23-5
TP2412	Production	Industrial	2	2.2	5.5	1950	10	7	Yes	Yes	130	1	1	0.3	8.2	3.14	/	-40 to 125	/	MSOP8,SOP8,SOT23-8,TSSOP8
TP2414	Production	Industrial	4	2.2	5.5	1950	10	7	Yes	Yes	130	1	1	0.3	8.2	3.14	/	-40 to 125	/	SOP14,TSSOP14
TP2431	Production	Industrial	1	2.2	5.5	280	1.6	0.84	Yes	Yes	130	1	1	0.3	13	4.1	/	-40 to 125	/	SOT23-5
TP2432	Production	Industrial	2	2.2	5.5	280	1.6	0.84	Yes	Yes	130	1	1	0.3	13	4.1	/	-40 to 125	/	MSOP8,SOP8
TP2434	Production	Industrial	4	2.2	5.5	280	1.6	0.84	Yes	Yes	130	1	1	0.3	13	4.1	/	-40 to 125	/	SOP14,TSSOP14
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	/	SOP8
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,SOT353
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	/	DFN2X2-8,MSOP8,SOP8
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	/	SOP14,TSSOP14
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	/	SOP8,SOT23-5
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	/	MSOP8,SOP8
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	/	TSSOP14
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	/	SOP8,SOT23-5,SOT353
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	/	MSOP8,SOP8
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	/	SOP14,TSSOP14
TPA1811	Production	Industrial	1	4	30	80	0.35	0.26	No, to V- only	Yes	50	0.007	0.028	50	32	0.6	/	-40 to 125	/	SOP8,SOT23-5
TPA1812	Production	Industrial	2	4	30	80	0.35	0.26	No, to V- only	Yes	50	0.007	0.028	50	32	0.6	/	-40 to 125	/	MSOP8,SOP8
TPA1831	Production	Industrial	1	4	30	200	1.1	0.7	No, to V- only	Yes	62	0.007	0.028	50	32	0.6	/	-40 to 125	/	SOP8,SOT23-5
TPA1832	Production	Industrial	2	4	30	200	1.1	0.7	No, to V- only	Yes	62	0.007	0.028	50	32	0.6	/	-40 to 125	/	MSOP8,SOP8
TPA1834	Production	Industrial	4	4	30	200	1.1	0.7	No, to V- only	Yes	62	0.007	0.028	50	32	0.6	/	-40 to 125	/	SOP14,TSSOP14
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	/	SOP8,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	/	DFN3X3-8,MSOP8,SOP8
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	/	SOP8

Contact 3PEAK sales for more products information and samples.

Precision Op Amps (Vos <= 1mV)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/Disable	Operating Temperature Range (°C)	Features	Package
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	/	SOP14,TSSOP14
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	/	SOP8,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	/	MSOP8,SOP8
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	/	MSOP8,SOP8
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	SOP8
TPA3662	Production	Industrial	2	2.7	16	1200	2.5	2	Yes	Yes	40	0.25	2	10	25	/	/	-40 to 125	Zero Crossover	MSOP8,SOP8
TPA3664	Production	Industrial	4	2.7	16	1200	2.5	2	Yes	Yes	40	0.25	2	10	25	/	/	-40 to 125	Zero Crossover	SOP14
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	/	DFN1X1.4-4,SOT23-5
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	/	DFN2X2-8,MSOP8,SOP8
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	/	DFN1X1.4-4,SOT23-5
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	/	SOP8
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,SOT353
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	/	MSOP8,SOP8,TSSOP8
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	/	MSOP8,SOP8
TPA5571NQ	Production	Automotive	1	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.1	0.01	200	10	0.2	/	-40 to 125	Shutdown	SOT23-6
TPA5571Q	Production	Automotive	1	2.7	5.5	1200	15	4.9	Yes	Yes	160	0.1	0.01	200	10	0.2	/	-40 to 125	/	SOT23-5
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	/	MSOP8,SOP8
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,SOT353
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	/	DFN2X2-8,MSOP8,SOP8,TSSOP8
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,SOT353
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,SOT353
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

Contact 3PEAK sales for more products information and samples.

Precision Op Amps (Vos <= 1mV)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/Disable	Operating Temperature Range (°C)	Features	Package
TPA6552	Production	Industrial	2	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	/	-40 to 125	/	MSOP8,SOP8
TPA6554	Production	Industrial	4	2.5	5.5	1200	10	3	Yes	Yes	90	1	2	400	10	1.2	/	-40 to 125	/	SOP14,TSSOP14

High Speed Op Amps (GBW >= 50MHz)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/Disable	Operating Temperature Range (°C)	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	MSOP8,SOP8
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	SOP14,TSSOP14
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	12800	4000	1070	No	No	68	1.8	2	-7000000	1.5	/	/	-40 to 125	DFN2X2-8

Low Power Op Amps (Iq Per Ch <= 50μA)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/Disable	Operating Temperature Range (°C)	Package
TP1511	Production	Industrial	1	2.1	6	5.6	0.15	0.09	Yes	Yes	40	3	0.6	1	95	3.6	/	-40 to 125	DFN1X1-4,SOT23-5
TP1512	Production	Industrial	2	2.1	6	5.6	0.15	0.09	Yes	Yes	40	3	0.6	1	95	3.6	/	-40 to 125	MSOP8,SOP8
TP1514	Production	Industrial	4	2.1	6	5.6	0.15	0.09	Yes	Yes	40	3	0.6	1	95	3.6	/	-40 to 125	SOP14,TSSOP14
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,SOT353
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	DFN2X2-8,MSOP8,SOP8
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,SOT353
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	MSOP8,SOP8
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	SOP14,TSSOP14

Low Power Op Amps (Iq Per Ch <= 50μA)

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Shutdown/ Disable	Operating Temperature Range (°C)	Package
TP2191	Production	Industrial	1	1.8	6	0.9	0.018	0.01	Yes	Yes	20	0.6	0.4	1	170	6.5	/	-40 to 125	SOT23-5
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	DFN1X1.4-4,SOT23-5
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	DFN2X2-8,MSOP8,SOP8
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	DFN1X1.4-4,SOT23-5
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	SOP8
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,SOT353
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	MSOP8,SOP8
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	QFN3X3-16,SOP14,TSSOP14

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

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Operating Temperature Range (°C)	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	DFN1.5X1.5-8,MSOP8,SOP8,TSSOP8
LMV358TP	Production	Industrial	2	2.1	6	51	1.27	0.9	Yes	Yes	45	3.5	2	1	39	5.6	-40 to 125	DFN2X2-8,MSOP8,SOP8
TP1511	Production	Industrial	1	2.1	6	5.6	0.15	0.09	Yes	Yes	40	3	0.6	1	95	3.6	-40 to 125	DFN1X1-4,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	MSOP8,SOP8,TSSOP8
TP2264	Production	Industrial	4	3	36	1000	3.5	15	No, to V- only	Yes	32	2	2	25	30	10	-40 to 125	SOP14,TSSOP14
TP321	Production	Industrial	1	2.1	6	87	1	1	Yes	Yes	40	5	2	10	45	5.6	-40 to 125	DFN1X1-4,SOT23-5
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	DFN2X2-8,MSOP8,SOP8
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,SOT353
TP6002	Production	Industrial	2	2.1	6	130	1.3	0.7	Yes	Yes	50	3	1	1	27	8	-40 to 125	DFN2X2-8,MSOP8,SOP8
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	DFN3X3-8,MSOP8,SOP8
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	DFN1X1.4-4,SOT23-5
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	DFN2X2-8,MSOP8,SOP8
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	DFN1X1.4-4,SOT23-5
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	DFN2X2-8,MSOP8,SOP8,TSSOP8
TPA6581	Production	Industrial	1	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	-40 to 125	DFN0.8X0.8-4,SOT23-5,SOT353

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

Part Number	Status	Rating	Number of Channels	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq per channel (typ) (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 at 1 kHz (Typ) (nV/rtHz)	Peak Noise at 0.1 to 10Hz (μVpp)	Operating Temperature Range (°C)	Package
TPA6582	Production	Industrial	2	2.7	5.5	1500	10	8	Yes	Yes	135	2	0.1	10	10	2	-40 to 125	DFN2X2-8,MSOP8,SOP8,TSSOP8

Isolated Amplifiers & Modulators

Part Number	Status	Rating	Product Family	Features	Input Range (V)	Insulation Rating (Vrms)	Package
TPA8000	Production	Industrial	Isolated Amplifer	G = 8, Differential Output	0.25	5000	SMP8,WSOP8
TPA8001	Production	Industrial	Isolated Amplifer	G = 8.2, Differential Output	0.25	5000	WSOP8
TPA8002	Production	Industrial	Isolated Amplifer	G = 41, Differential Output	0.05	5000	WSOP8
TPA8003	Production	Industrial	Isolated Amplifer	G = 1, Differential Output	2	5000	WSOP8
TPA8023	Production	Industrial	Isolated Amplifer	G = 1, Single End Output	2	3750	SOP8,WSOP8
TPA8101	Production	Industrial	Isolated Modulator	Clock In	0.25	5000	TSSOP8,WSOP16,WSOP8
TPA8102	Production	Industrial	Isolated Modulator	Clock In	0.05	5000	WSOP8
TS25006	Production	Industrial	Isolated Modulator	Clock In	0.25	5000	WSOP8

Comparators

Part Number	Status	Rating	Output Type	Vs (Min) (V)	Number of Channels	Vs (max) (V)	Iq per channel (typ) (μA)	Propagation Delay (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)	Features	Package
LM211	Production	Industrial	Open-Collector, Open-Drain	3.5	1	36	6000	360	3	35	No	Yes	VCC-2	VSS+0.6	-40 to 125	standalone drain and emitter output	SOP8
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
LM2903	Production	Industrial	Open-Drain	2	2	40	740	300	3	60	To VSS	Yes	VCC-1.5	VSS	-40 to 125	MSOP8,SOP8,TSSOP8	SOP8
LM2903A	Production	Industrial	Open-Drain	2	2	36	150	500	6	0.1	To VSS	Yes	VCC-2	VSS	-40 to 125	/	MSOP8,SOP8
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	MSOP8,SOP8,TSSOP8
LM2903D	Production	Industrial	Open-Drain	3	2	36	400	600	7	25	To VSS	Yes	VCC-2	VSS	-40 to 125	/	MSOP8,SOP8,TSSOP8
LM2903DQ	Production	Automotive	Open-Drain	3	2	36	400	600	7	25	To VSS	Yes	VCC-2	VSS	-40 to 125	/	SOP8
LM2903Q	Production	Automotive	Open-Drain	2	2	40	460	300	2	60	To VSS	Yes	38.5	0	-40 to 125	Automotive 40-V High-Power Comparators with Open-Drain Output	MSOP8

Comparators

Part Number	Status	Rating	Output Type	Vs (Min) (V)	Number of Channels	Vs (max) (V)	Iq per channel (typ) (μA)	Propagation Delay (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)	Features	Package
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
LM393	Production	Industrial	Open-Drain	2	2	40	370	300	3	60	To VSS	Yes	VCC-1.5	VSS	-40 to 125	MSOP8,SOP8,TSSOP8	SOP8
LM393A	Production	Industrial	Open-Drain	2	2	36	150	500	6	0.1	To VSS	Yes	VCC-2	VSS	-40 to 125	/	DFN2X2-8,SOP8,TSSOP8
LMV331TP	Production	Industrial	Open-Drain	1.8	1	5.5	40	250	3.5	0.006	Yes	Yes	VCC+0.05	VSS-0.05	-40 to 85	/	SOT23-5,SOT353
LMV331X	Production	Industrial	Open-Drain	2.5	1	5.5	50	120	4	0.03	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	SOT23-5,SOT353
LMV393TP	Production	Industrial	Open-Drain	1.8	2	5.5	40	250	3.5	0.006	Yes	Yes	VCC+0.05	VSS-0.05	-40 to 85	/	MSOP8,SOP8
LMV393X	Production	Industrial	Open-Drain	2.5	2	5.5	50	120	4	0.03	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	MSOP8,SOP8
TL331	Production	Industrial	Open-Drain	1	2	40	740	300	3	60	To VSS	Yes	VCC-1.5	VSS	-40 to 125	40-V High-Power Comparators with Open-Drain Output	SOT23-5
TL331Q	Production	Automotive	Open-Drain	2	1	40	460	300	2	60	To VSS	Yes	38.5	0	-40 to 125	Automotive 40-V High-Power Comparators with Open-Drain Output	SOT23-5
TP1941	Production	Industrial	Push-Pull	1.8	1	5.5	46	93	3	0.006	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 85	/	SOT23-5,SOT353
TP1942	Production	Industrial	Push-Pull	1.8	2	5.5	46	93	3	0.006	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 85	/	MSOP8,SOP8
TP1961	Production	Industrial	Push-Pull	2.5	1	5.5	2400	7	10	0.006	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	SOT23-5,SOT353
TP1962	Production	Industrial	Push-Pull	2.5	2	5.5	2400	7	10	0.006	Yes	Yes	VCC+0.1	VSS-0.1	-40 to 125	/	DFN2X2-8,SOP8
TP1981	Production	Industrial	Push-Pull	2.5	1	5.5	4100	3.5	20	N/A	To VSS	Yes	VCC-1.2	VSS-0.2	-40 to 85	/	SOT363
TP2011	Production	Industrial	Push-Pull	1.6	1	5.5	0.4	14000	12	0.006	To VSS	Yes	VCC-1.5	VSS	-40 to 85	/	SOT23-5,SOT353
TP2012	Production	Industrial	Push-Pull	1.6	2	5.5	0.4	14000	12	0.006	To VSS	Yes	VCC-1.5	VSS	-40 to 85	/	MSOP8,SOP8
TP2021	Production	Industrial	Push-Pull	1.6	1	5.5	0.4	14000	12	0.006	To VSS	Yes	VCC-1.5	VSS	-40 to 85	With internal reference	SOT23-6,SOT363
TP2021A	Production	Industrial	Push-Pull	1.6	1	5.5	0.4	14000	12	0.006	To VSS	Yes	VCC-1.5	VSS	-40 to 125	Comparator with internal reference	SOT23-6
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
TPCMP191	Production	Industrial	Push-Pull	1.5	1	5.5	40	100	6	0.01	Yes	Yes	VCC+0.2	VSS-0.2	-40 to 125	5-V Low-Power Comparators with Push-Pull Output, 100ns,1ch	SOT23-5
TPCMP192	Production	Industrial	Push-Pull	1.5	2	5.5	40	100	6	0.01	Yes	Yes	VCC+0.2	VSS-0.2	-40 to 125	5-V Low-Power Comparators with Push-Pull Output, 100ns,2ch	SOP8
TPCMP211	Production	Industrial	Push-Pull	2.7	1	5.5	1100	35	0.3	0.1	No	Yes	VCC-1.5	VSS-0.1	-40 to 125	5-V, 35-ns, Low-Offset, Low-Overdrive Comparators	SOT23-5
TPCMP231	Production	Industrial	Push-Pull	2.7	1	5.5	450	40	2	0.05	Yes	Yes	VCC+0.2	VSS-0.2	-40 to 125	5V Comparator, 50ns,1ch	SOT23-5
TPCMP231Q	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	Automotive 5V Comparator, 55ns,1ch	SOT23-5

Comparators

Part Number	Status	Rating	Output Type	Vs (Min) (V)	Number of Channels	Vs (max) (V)	Iq per channel (typ) (μA)	Propagation Delay (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)	Features	Package
TPCMP232	Production	Industrial	Push-Pull	2.7	2	5.5	450	40	2	0.05	Yes	Yes	VCC+0.2	VSS-0.2	-40 to 125	5V Comparator, 50ns,2ch	MSOP8,SOP8
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,SOT353
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,SOP8
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,SOP8
TPCMP761	Production	Industrial	Open-Drain	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-Drain	2.5	2	36	150	300	6	0.2	To VSS	Yes	VCC-1.5	VSS	-40 to 125	/	SOP8
TPCMP764	Production	Industrial	Open-Drain	2.5	4	36	150	300	6	0.2	To VSS	Yes	VCC-1.5	VSS	-40 to 125	/	SOP14,TSSOP14

Current-Sense Amplifiers

Part Number	Status	Rating	Features	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)	Number of Channels	Comparator	Package
TP181	Production	Industrial	/	-0.3	36	0.1	Bi-dir	95	48 at G=50;30 at G=100;20 at G=200	G = 50, 100, 200	1	10	100	35000	NO	2.7	36	150	1	0	SOT363
TP182	Production	Industrial	/	-0.3	36	0.1	Bi-dir	95	48 at G=50;30 at G=100;20 at G=200;9 at G=500	G = 50, 100, 200, 500	1	10	50	35000	NO	2.7	36	150	1	0	SOT363
TPA127	Production	Industrial	High-Side Variable Gain Current Sense Amplifier	3	60	1.5	Uni-dir	90	333 at G=1; 26.8 at G=24	Variable	NA	NA	±2400	42000	NO	3	60	61	1	0	SOT23-5
TPA1285	Production	Industrial	/	3	76	<0.4	Uni-dir	110	60	G = 20	0.5	10	100	<65,000	NO	3	5.5	1000	2	0	MSOP8
TPA1295	Production	Industrial	/	-0.1	70	<0.5	Bi-dir	110	500	G = 50	0.5	5	100	<210000	NO	3	18	1000	1	0	SOP8
TPA131C	Production	Industrial	HV, Unidirectional, Current-Sense Amplifier With Comparator	-4	80	0.15	Uni-dir	130	1000 at G=20, 50, 100, 200; 500 at G=500;	G = 20, 50, 100, 200, 500	0.3	12	±140	1000	YES	3	5.5	4000	1	1	MSOP8
TPA132	Production	Industrial	Bi-Directional Current-Sense Amplifier with PWM Rejection	-4	80	0.15	Bi-dir	130	1000 at G=20, 50, 100, 200; 500 at G=500;	G = 20, 50, 100, 200, 500	0.3	12	±100	1000	YES	3	5.5	4000	1	0	MSOP8,SOP8,TSSOP8
TPA132Q	Production	Automotive	Automotive Bi-Directional Current-Sense Amplifier with PWM Rejection	-4	80	0.15	Bi-dir	130	1000 at G=20, 50, 100, 200; 500 at G=500;	G = 20, 50, 100, 200, 500	0.3	12	±100	1000	YES	3	5.5	4000	1	0	SOP8,TSSOP8
TPA133	Production	Industrial	95V Vcm, Bidirectional, Current-Sense Amplifier with PWM Rejection	-4	95	0.15	Bi-dir	130	1000 at G=10, 20, 50, 100, 200; 500 at G=500;	G = 10, 20, 50, 100, 200, 500	±0.3	12	120	1000	YES	3	5.5	4000	1	0	MSOP8,SOT23-8

Contact 3PEAK sales for more products information and samples.

Current-Sense Amplifiers

Part Number	Status	Rating	Features	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)	Number of Channels	Comparator	Package
TPA135	Production	Industrial	80V Vcm, Uni-directional, Current-Sense Amplifier with PWM Rejection	-4	80	0.15	Uni-dir	128	1000 at G=20, 50, 100, 200; 500 at G=500;	G = 20, 50, 100, 200, 500	±0.35	12	±140	1000	YES	3	5.5	4000	1	0	SOT23-5
TPA148	Production	Industrial	3-V to 120-V VCM, 80 kHz, High-Precision, Current-Sense Amplifier	3	120	0.2	Uni-dir	110	80	G = 20, 50, 100, 200, 500	±0.7	12	±100	50000	NO	3	5.5	0.45	1	0	SOT23-5
TPA158	Production	Industrial	3-V to 150-V VCM, 1 MHz, High-Precision, Current-Sense Amplifier	3	150	0.1	Uni-dir	120	1000 at G=20, 50, 100, 200; 600 at G=500;	G = 20, 50, 100, 200, 500	±0.55	20	±150	90000	NO	3	20	1400	1	0	SOT23-5
TPA170C	Production	Industrial	36V, Overcurrent-Protection, Current Sense Comparator	0	30	1	Uni-dir	100	-	-	-	-	±850@Delay=50us	80	NO	2.7	5.5	310	1	1	DFN2X2-10
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	SOT363
TPA191Q	Production	Automotive	Automotive 36V Vcm Bi-Directional Current Sense Amplifier	-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 = 20, 50, 75, 100, 200, 500, 1000	1	10	255	22000	NO	2.7	36	115	1	0	SOT363
TPA2295C	Production	Industrial	Integrated comparator	-0.1	70	<0.5	Uni-dir	110	500	G = 20, 50, 100	0.5	5	500	<210000	NO	3	18	1000	1	1	MSOP8
TPA2296	Production	Industrial	/	-0.1	70	<0.6	Uni-dir	90	400 at G=20;300 at G=50;200 at G=100	G = 100	0.5	5	500	<210000	NO	3	18	1000	1	0	SOT23-5,SOT23-6

Instrumentation Amplifiers

Part Number	Status	Rating	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		0.3	1.6		1 to 1000	0.05	80	DFN3X3-8,MSOP8,SOP8
TPA1287	Production	Industrial	Instrumentation Amplifier	4	36	40	0.3	1.2	1.6	1 to 1000	0.05	80	MSOP8,SOP8

Difference Amplifiers

Part Number	Status	Rating	Features	Product Family	Supply Voltage (Min) (V)	Supply Voltage (Max) (V)	Iq (Max) (mA)	VOS (Max) (\u00b5V)	Bandwidth (Typ) (MHz)	Slew Rate (Typ) (V/\u00b5s)	Gain Setting (V/V)	Gain Error (Max) (%)	Input Range (V)	CMRR (Typ) (dB)	Package
TPA9151	Production	Industrial	Two reference pin.	Difference Amplifer	4.5	36	3		0.5		1	0.03	± 275	90	SOP8
TPA9152	Production	Industrial	One reference pin.	Difference Amplifer	4.5	36	3		0.5		1	0.03	± 275	90	SOP8
TPA9361	Production	Industrial	/	Difference Amplifer	4.5	36	2		3		1	0.05	$-2 * (-VS)$ to $2 * [(+VS) - 1.5]$	100	SOP8
TPA9363	Production	Industrial	/	Difference Amplifer	4.5	36	2		3		0.48	0.05	$-3 * (-VS)$ to $3 * [(+VS) - 1.5]$	100	SOP8
TPA9372	Production	Industrial	/	Difference Amplifer	4	30	0.2	60	0.5	0.7	0.8333	0.05	-30 to 26 for Vs= $\pm 15V$	85	SOP8
TPA9373	Production	Industrial	/	Difference Amplifer	4	30	0.2	60	0.5	0.7	0.8333	0.05	-30 to 26 for Vs= $\pm 15V$	85	SOP8
TPA9376	Production	Industrial	/	Difference Amplifer	4	30	0.2	60	1	0.7	0.25	0.05	-60 to 60 for Vs= $\pm 15V$	85	SOP8
TPA9377	Production	Industrial	/	Difference Amplifer	4	30	0.2	60	1	0.7	0.25	0.05	-60 to 60 for Vs= $\pm 15V$	85	SOP8
TPA9382	Production	Industrial	/	Difference Amplifer	4	30	0.2	60	1	0.7	0.8	0.05	-30 to 26 for Vs= $\pm 15V$	85	SOP8
TPA9383	Production	Industrial	/	Difference Amplifer	4	30	0.2	60	1	0.7	0.8	0.05	-30 to 26 for Vs= $\pm 15V$	85	SOP8
TPA9386	Production	Industrial	/	Difference Amplifer	4	30	0.2	60	2	0.7	0.2	0.05	-24 to 24 for Vs= $\pm 15V$	85	SOP8
TPA9387	Production	Industrial	/	Difference Amplifer	4	30	0.2	60	2	0.7	0.2	0.05	-24 to 24 for Vs= $\pm 15V$	85	SOP8

Logarithmic Amplifiers

Part Number	Status	Rating	CH	VDD (V)	Iq (Max) (mA)	Input Current Range	Logarithmic Slope (mV/dec, Typ.)	Law Conformance Error (dB, Max.)	Package
TPA8304	Production	Industrial	1	4.5~5.5	10	1nA to 10mA	200	0.25 at Input>10nA	QFN3X3-16,TSSOP14

Amplifiers with Voltage Reference

Part Number	Status	Rating	Working Voltage (Max) (V)	Vos (Max) (mV)	Voltage Reference (Typ) (V)	Voltage Reference Accuracy (Max) (%)	Reference for Current (Typ) (mV)	Package
TPA7252	Production	Industrial	3~36	4	2.5	1	/	SOP8
TPA7252A	Production	Industrial	3~36	4	2.5	0.4	/	SOP8
TPA7253	Production	Industrial	3~36	2	2.5	1	/	SOP8
TPA7253A	Production	Industrial	3~36	2	2.5	0.4	/	SOP8
TPA7256	Production	Industrial	3~36	/	1.21	0.01	70	SOT23-6

Matched Resistor Network

Part Number	Status	Rating	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
TPR8200	Production	Industrial	Matched Resistor Network	10k,10k,10k,10k	20	0.1	5	0.04	EMSOP8
TPR8201	Production	Industrial	Matched Resistor Network	8k,10k,10k,8k	20	0.1	5	0.04	EMSOP8
TPR8203	Production	Industrial	Matched Resistor Network	2k,10k,10k,2k	20	0.1	5	0.04	EMSOP8
TPR8204	Production	Industrial	Matched Resistor Network	5k,1k,1k,5k	10	0.1	5	0.04	EMSOP8
TPR8205	Production	Industrial	Matched Resistor Network	100k,10k,10k,100k	60	0.1	5	0.04	EMSOP8
TPR8401	Production	Industrial	Matched Resistor Network	1k,9k	10 for R1,36 for R2	0.05	2	/	SOT23G-3
TPR8402	Production	Industrial	Matched Resistor Network	2k,10k	20 for R1,60 for R2	0.05	2	/	SOT23G-3
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
TPR8601A	Production	Industrial	Matched Resistor Network	10k,10k,10k,10k	60	0.01	1	0.005	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
TPR8606	Production	Industrial	Matched Resistor Network	1k,1k,1k,1k	10 for each resistor	0.025	1	0.015	EMSOP8
TPR8607	Production	Industrial	Matched Resistor Network	5k,1k,1k,5k	10 for each resistor	0.025	1	0.015	EMSOP8
TPR8608	Production	Industrial	Matched Resistor Network	9k,1k,1k,9k	40 for R1+R2	0.025	1	0.015	EMSOP8
TPR8610	Production	Industrial	Matched Resistor Network	5k,1.25k,1.25k,5k	43.75 for R1+R2	0.025	1	0.015	EMSOP8
TPR8611	Production	Industrial	Matched Resistor Network	60k,30k,30k,60k	150 for R1+R2	0.025	1	0.005	EMSOP8
TPR8612	Production	Industrial	Matched Resistor Network	100k,10k,10k,100k	150 for R1+R2	0.025	1	0.005	EMSOP8
TPR8614	Production	Industrial	Matched Resistor Network	60k,30k,30k,60k	40 for each resistor	0.025	1	0.015	EMSOP8

Sensor Interface

Part Number	Status	Rating	VDD (V)	Description	Package
TPA8801B	Production	Industrial	2.1~5.5	TPA8801B is a high sensitivity current input inter	TSSOP14
TPAEF0040	Production	Industrial	8~30	Active EMI Filter for Common-mode Noise Mitigation	SOP8
TPAEF0041	Production	Industrial	8~30	Active EMI Filter for Common-mode Noise Mitigation	SOP8
TPAFE411	Production	Industrial	2.7~5.5	The TPAFE411 is designed only for Hall elements to	QFN4X4-20

Battery Management

Linear Charger ICs

Part Number	Status	Rating	Vin (Max) (V)	Float Voltage (V)	Float Voltage Accuracy	Max Output Current (mA)	IBAT (μA)	OVP (V)	Temperature Range (°C)	Package
TPB4056A	Production	Industrial	26.5	4.2	0.01	1000	4	6.8	-40 to +125	DFN2X2-8,ESOP8
TPB4056B	Production	Industrial	26.5	4.2	0.01	1000	4	10.5	-40 to +125	EMSOP8,ESOP8

High Side Driver

Part Number	Status	Rating	Temperature Range (°C)	Package
TPB76200	Production	Industrial	-40 to +125	TSSOP16

Data Converter

Precision DAC

Part Number	Status	Rating	Resolution	VDD (V)	Number of Channels	Output Type	Reference Type	Settling Time (μS)	Architecture	Output POR Status	INL	DNL (LSB, Max)	Offset Error (mV, Max)	IDD (μA/CH, Max) (μA)	Gain Error (% of FSR, Max)	Voltage Output Range (V)	D to A Glitch Impulse (nV-sec)	Interface Type	Temperature Range (°C)	Package
TPC112S1	Production	Industrial	12	2.7~5.5	1	Buffered Voltage	Ext	14	String	0	±2	±1	±30	80	±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	±2	±1	±30	80	±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	±2	±1	±30	80	±0.3	0~Vref	2	SPI	-40 to +125	QFN4X4-16,TS SOP16
TPC112S8U	Production	Industrial	12	2.7~5.5	8	Buffered Voltage	Ext	14	String	0	±2	±1	±30	80	±0.3	0~Vref	2	SPI	-40 to +125	QFN4X4-16,TS SOP16
TPC114S1	Production	Industrial	14	2.7~5.5	1	Buffered Voltage	Ext	14	String	0	±8	±1	±30	80	±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	±16	±1	±30	80	±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	±16	±1	±30	80	±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	±16	±1	±30	80	±0.3	0~Vref	2	SPI	-40 to +125	QFN4X4-16,TS SOP16
TPC2160	Production	Industrial	16	2.7~5.5	1	Unbuffered Voltage	Ext	1	R-2R	0	±1	±1	±0.17	150	±0.011	0~Vref	10	SPI	-40 to +105	DFN3X3-8,SOP8
TPC2161	Production	Industrial	16	2.7~5.5	1	Unbuffered Voltage	Ext	1	R-2R	0	±1	±1	±0.17	150	±0.011	0~Vref	10	SPI	-40 to +105	SOP14
TPC2182	Production	Industrial	12	10~65	4	Buffered Voltage	Int, Ext	30	String	0	±1	±1	±120	500	±0.6	0~30, 0~60	300	SPI	-40 to +125	TSSOP16
TPC2190	Production	Industrial	16	2.7~5.5	8	Buffered Voltage	Int, Ext	6	R-2R	0	±3	±1	±2.5	750	±0.1	0~Vref, 0~2*Vref	2.5	SPI	-40 to +125	QFN3X3-16
TPC2192	Production	Industrial	12	2.7~5.5	8	Buffered Voltage	Int, Ext	6	R-2R	0	±1	±1	±2.5	750	±0.1	0~Vref, 0~2*Vref	2.5	SPI	-40 to +125	QFN3X3-16,WCSP
TPC2196	Production	Industrial	16	2.7~5.5	8	Buffered Voltage	Int, Ext	6	R-2R	0	±8	±1	±4	750	±0.2	0~Vref, 0~2*Vref	2.5	SPI	-40 to +125	QFN3X3-16
TPC2200	Production	Industrial	12	10~50	1	Buffered Voltage, Current	Int, Ext	8	R-2R	0	±0.032%FSR	-1 to 1.5	±7	4400	±0.23	0~5V,0~10V,±5V, ±10V,4~20mA,0~20mA,0~24mA	10	SPI	-40 to +125	ETSSOP24
TPC2201	Production	Industrial	16	10~50	1	Buffered Voltage, Current	Int, Ext	8	R-2R	0	±0.008%FSR	±1	±1.5	4400	±0.2	0~5V,0~10V,±5V, ±10V,4~20mA,0~20mA,0~24mA	10	SPI	-40 to +125	ETSSOP24, QFN6X6-40
TPC2221	Production	Industrial	16	60	1	4~20mA, Loop powered	Int, Ext	30	R-2R	3.2mA or 22.8mA	0.012%	±1	±0.03%	200	0.107	/	/	SPI	-40~125°C	ETSSOP28,TSOP28

Contact 3PEAK sales for more products information and samples.

Precision DAC

Part Number	Status	Rating	Resolution	VDD (V)	Number of Channels	Output Type	Reference Type	Settling Time (μS)	Architecture	Output POR Status	INL	DNL (LSB, Max)	Offset Error (mV, Max)	IDD (μA/CH, Max) (μA)	Gain Error (% of FSR, Max)	Voltage Output Range (V)	D to A Glitch Impulse (nV-sec)	Interface Type	Temperature Range (°C)	Package
TPC2884	Production	Industrial	16	7~50	4	Voltage, Current	Int, Ext	8	R-2R	0	±0.01%FSR	-1 to 1.5	±0.05%FSR	1640	±0.07	0~5V,0~10V,±5V,±10V with 20% overrange,4~20mA,0~20mA,0~24mA	16	SPI	-40 to +125	QFN7X7-48
TPC2210	Production	Industrial	12	10~50	1	Current	Int, Ext	8	R-2R	0	±0.003%FSR	-1 to 1.5	±0.1%FSR	1800	±0.1	4~20mA,0~20mA,0~24mA	/	SPI	-40 to +125	ETSSOP24

Precision ADC

Part Number	Status	Rating	Resolution	VDD (V)	Number of Channels	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 (°C)	Package
TPAFE5160	Production	Industrial	16	4.75~5.25	8	0.35	SAR	Pseudo-Differential	Simultaneous Sampling	±2	±1	±15	±15	±5, ±10	52	Parallel/SPI	-40 to +125	EVM,LQFP10X10-64
TPAFE5161	Production	Industrial	16	4.75~5.25	4	0.35	SAR	Pseudo-Differential	Simultaneous Sampling	±2	±1	±15	±15	±5, ±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	±2	±1	±15	±15	±5, ±10	52	Parallel/SPI	-40 to +125	LQFP10X10-64
TPAFE5165H8	Production	Industrial	16	4.75~5.25	8	0.5	SAR	Pseudo-Differential	Simultaneous Sampling	±3	±0.99	±13	±20	±5, ±10	50	Parallel/SPI	-40 to +125	LQFP10X10-64
TPAFE51716H	Production	Industrial	16	4.75~5.25	1	1	SAR	Fully-Differential, Pseudo-Differential	-	±4.2	±0.99	±4	±7	±12.288, ±10.24, ±6.144, ±5.12, ±3.072, ±2.56, 0 - 12.288, 0 - 10.24, 0 - 6.144, 0 - 5.12	9	SPI	-40 to +125	TSSOP16
TPAFE51716S	Production	Industrial	16	4.75~5.25	1	0.1	SAR	Fully-Differential, Pseudo-Differential	/	±2	±0.99	±4	±7	±12.288, ±10.24, ±6.144, ±5.12, ±3.072, ±2.56, 0 - 12.288, 0 - 10.24, 0 - 6.144, 0 - 5.12	9	SPI	-40 to +125	TSSOP16
TPAFE51736S4	Production	Industrial	16	4.75~5.25	4	0.5	SAR	Fully-Differential, Pseudo-Differential	Multiplexed	±2	±0.99	±4	±17	±12.288, ±10.24, ±6.144, ±5.12, ±3.072, ±2.56, 0 - 12.288, 0 - 10.24, 0 - 6.144, 0 - 5.12	22	SPI	-40 to +125	TSSOP38
TPAFE51736S8	Production	Industrial	16	4.75~5.25	8	0.5	SAR	Fully-Differential, Pseudo-Differential	Multiplexed	±2	±0.99	±4	±17	±12.288, ±10.24, ±6.144, ±5.12, ±3.072, ±2.56, 0 - 12.288, 0 - 10.24, 0 - 6.144, 0 - 5.12	30	SPI	-40 to +125	TSSOP38
TPAFE51738S8	Production	Industrial	18	4.75~5.25	8	0.5	SAR	Fully-Differential, Pseudo-Differential	Multiplexed	-8 to 6	-0.99 to 2	±4	±17	±12.288, ±10.24, ±6.144, ±5.12, ±3.072, ±2.56, 0 - 12.288, 0 - 10.24, 0 - 6.144, 0 - 5.12	30	SPI	-40 to +125	TSSOP38
TPAFE51760	Production	Industrial	16	4.75~5.25	16	1	SAR	Differential	Multiplexed, Simultaneous Sampling	±3	±0.99	±10	±60	±2.5, ±5, ±10	47.6	Parallel/SPI	-40 to +125	EVM,LQFP14X14-80
TPC502200	Production	Industrial	12	2.7~5	8	0.04	SAR	Single-Ended	Multiplexed	±1	(-0.99, +1)	±2	±3	0 to Vref	0.21	I2C	-40 to +125	TSSOP16
TPC5120	Production	Industrial	12	2.7~5.5	16	1	SAR	Single-Ended	Multiplexed	±1.5	(-1, 1.5)	±4	±2	0~2.5, 0~5	1.65	SPI	-40 to +125	EVM,QFN5X5-32,TSSOP38

Precision ADC

Part Number	Status	Rating	Resolution	VDD (V)	Number of Channels	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 (°C)	Package
TPC5120Q	Production	Automotive	12	2.7~5.5	16	1	SAR	Single-Ended	Multiplexed	±1.5	(-1, 1.5)	±4	±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	±1.5	(-1, 1.5)	±4	±3	0~2.5, 0~5	1.65	SPI	-40 to +125	EVM,QFN4X4-24
TPC5121Q	Production	Automotive	12	2.7~5.25	8	1	SAR	Single-Ended	Multiplexed	±1.5	(-0.99, 1.5)	±5	±4	0 to Vref, 0 to 2xVref	3.8	SPI	-40 to +125	TSSOP30
TPC5160	Production	Industrial	16	4.5~5.5	1	0.6	SAR	Differential	/	±3.2	±1	±5	±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	/	±2.5	(-0.99, +1.1)	±7	±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)	±14	(-14, +29)	0 to Vref	7.6	SPI	-40 to +125	EVM,QFN4X4-20
TPC5180	Production	Industrial	18	4.5~5.5	1	0.3	SAR	Differential	/	±8	(-0.99, +1.1)	±18	±73	-Vref to Vref	3.5	SPI	-40 to +125	MSOP10
TPC6160I	Production	Industrial	16	2.7~5.5	4	0.008	Sigma-Delta	Differential, Single-Ended	Multiplexed	±1	/	±3.2	±16	±6.144, ±4.096, ±2.048, ±1.024, ±0.512, ±0.256	4.2	I2C	-40 to +125	EVM,MSOP10
TPC6160IQ	Production	Automotive	16	2.7~5.5	4	0.008	Sigma-Delta	Differential, Single-Ended	Multiplexed	±1	/	±3.2	±16	±6.144, ±4.096, ±2.048, ±1.024, ±0.512, ±0.256	4.2	I2C	-40 to +125	MSOP10
TPC6160IS	Production	Industrial	16	2.7~5.5	4	0.001	Sigma-Delta	Differential, Single-Ended	Multiplexed	±1	/	±3.2	±16	±6.144, ±4.096, ±2.048, ±1.024, ±0.512, ±0.256	4.2	I2C	-40 to +125	MSOP10
TPC6160S	Production	Industrial	16	2.7~5.5	4	0.008	Sigma-Delta	Differential, Single-Ended	Multiplexed	±1	/	±3.2	±16	±0.256, ±0.512, ±1.024, ±6.144 ±4.096, ±2.048,	4.2	SPI	-40 to +125	EVM,MSOP10
TPC6160SQ	Production	Automotive	16	2.7~5.5	4	0.008	Sigma-Delta	Differential, Single-Ended	Multiplexed	±1	/	±3.2	±16	±6.144, ±4.096, ±2.048, ±1.024, ±0.512, ±0.256	4.2	SPI	-40 to +125	MSOP10
TPC6200S	Production	Industrial	24	2.7~5.5	4	0.032	Sigma-Delta	Differential, Single-Ended	Multiplexed	±35ppm	/	±0.2mV	0.05%	±6.144, ±4.096, ±2.048, ±1.024, ±0.512, ±0.256	4.6	SPI	-40 to +125	MSOP10
TPC6200SQ	Production	Automotive	24	2.7~5.5	4	0.032	Sigma-Delta	Differential, Single-Ended	Multiplexed	±35ppm	/	±0.2mV	0.05%	±6.144, ±4.096, ±2.048, ±1.024, ±0.512, ±0.256	4.6	SPI	-40 to +125	EVM,MSOP10
TPC6240	Production	Industrial	24	3~5.5	16	0.008	Sigma-Delta	Differential, Single-Ended	Multiplexed	10ppmFSR	/	±0.18	±1700ppm	-Vref/Gain to Vref/Gain	2	SPI	-40 to +125	EVM,QFN6X6-40
TPC62408	Production	Industrial	24	3~5.5	8	0.008	Sigma-Delta	Differential, Single-Ended	Multiplexed	10ppmFSR	/	±0.18	±1700ppm	-Vref/Gain to Vref/Gain	2	SPI	-40 to +125	QFN6X6-40
TPC62410	Production	Industrial	24	3~5.5	12	0.008	Sigma-Delta	Differential, Single-Ended	Multiplexed	10ppmFSR	/	±671	±1800ppm	-Vref/Gain to Vref/Gain	2	SPI	-40 to +125	EVM,TQFP5X5-32
TPC62412	Production	Industrial	16	3~5.5	12	0.008	Sigma-Delta	Differential, Single-Ended	Multiplexed	10ppmFSR	/	±2.6	±1800ppm	-Vref/Gain to Vref/Gain	2	SPI	-40 to +125	TQFP5X5-32

Current-Power Monitor

Part Number	Status	Features	Number of Channels	Resolution (Bits)	Rating	Common Mode Voltage (Max) (V)	Shunt Offset (+/-) (Max) (μV)	Gain Error (%)	CMRR (Min) (dB)	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Iq (typ) (mA)	Digital Interface	Operating Temperature Range (°C)	Package
TPA6190	Production	Bidirectional, Intergrated Power Monitor, Programmable Gain	1	12	Industrial	0~36	50	0.4	110	5.5	2.7	1.1	I2C, SMBUS	-40 to +125	SOP8
TPA620	Production	Bidirectional, Intergrated Power Monitor, Low-side Capable, Programmable Gain	1	12	Industrial	0~36	50	0.4	110	5.5	2.7	1.1	I2C, SMBUS	-40 to +125	MSOP10
TPA626	Production	Alert Function, Bidirectional, Intergrated Power Monitor, Low-side Capable, Ultra precise	1	16	Industrial	0~36	30	0.4	SPI/I2C	5.5	2.7	1.1	I2C, SMBUS	-40 to +125	MSOP10
TPA6270X	Production	Alert Function, Bidirectional, Intergrated Power Monitor, Low-side Capable, Ultra precise	1	12	Industrial	0~36	10	0.15	120	5.5	2.7	0.6	I2C, SMBUS	-40 to +125	MSOP10
TPA6271	Production	Alert Function, Bidirectional, Intergrated Power Monitor, Low-side Capable, Ultra precise	1	16	Industrial	0~120	10	0.15	120	5.5	2.7	0.6	I2C, SMBUS	-40 to +125	MSOP10
TPA6290	Production	Alert and Warning Function, Configurable Averaging Options, Ultra precise	3	13	Industrial	0~36	10	0.05	110	5.5	2.7	0.65	I2C, SMBUS	-40 to +125	QFN4X4-16

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 (°C)	Package
TPA7836B	Production	Industrial	21	12	High precision inputs: 0~5V,Bipolar inputs: -12.5V	16	12	Voltage	-10V,-5V,5V,-10V	8	Internal	Internal	SPI	21-channel,12bits ADC,sixteen 12-bits DACswith pro	-40 to +125	TQFP10X10-64
TPAFE0532	Production	Industrial	5	12	0~2.5, 0~5	32	12	Voltage	-10V, -5V, 5V, -10V	5	Internal	Internal	4-Wire or 3-Wire SPI	32ch PACC control circuit	-40 to +125	TQFP7X7-48
TPAFE0534	Production	Industrial	6	12	0~2.5, 0~5	32	12	Voltage	-10V, -5V, 5V, -10V	5	Internal	Internal	3-Wire SPI	32ch PACC control circuit	-40 to +125	TQFP7X7-48
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	QFN3X3-16,WLCSP
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	WLCSP
TPAFEA108	Production	Industrial	0	NA	NA		12	4 Voltage,4 Current		0	Internal	NA	I2C	4 IDACs,4 VDACs with positive/negative output, 1 Buck, 1buck-boost	-40 to +125	QFN3.4X2.8-22

Temperature Sensor

Part Number	Status	Rating	Type	Local Sensor Accuracy (°C) (max)	Temperature Resolution (Bits)	Features	Supply Voltage (Max) (V)	Supply Voltage (Min) (V)	Iq (Typ) (μA) (max)	Digital Interface	Operating Temperature Range (°C)	Package
TPTMP75	Production	Industrial	Local	±1@-20~85°C±1.5@-40~85°C ±2@-40~125°C	12	ALERT,One-shot conversion	5.5	2.2	66	I2C,SMBUS	-40 to +125	MSOP8,SOP8

DCDC

Wide-Vin Buck Converters

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Control Mode	Switching Frequency (kHz)	Features	Temperature Range (°C)	Package
TPP00031	Production	Industrial	4.5~100	1.225~100	0.3	Constant On Time	1000	FPWM	-40 to +125	DFN3X3-8,ESOP8
TPP00032	Production	Industrial	4.5~100	1.225~100	0.3	Constant On Time	1000	PFM	-40 to +125	DFN3X3-8,ESOP8
TPP15051	Production	Industrial	16~170	3.3~50	0.8	Peak Current Mode	100	PFM,High-Voltage Startup	-40 to +125	ESOP8
TPP00801	Production	Industrial	7~80	0.8~80	/	Voltage Mode	100-1000	External FET	-40 to +126	QFN4.5X3.5-20
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	Production	Industrial	4.5~36	0.6~36	1	Peak Current Mode	1000	PSM	-40 to +125	TSOT23-6
TPP361065	Production	Industrial	4.5~36	0.6~36	1	Peak Current Mode	1000	FPWM	-40 to +125	TSOT23-6
TPP36106A0	Production	Industrial	4.5~36	0.8~36	1	Peak Current Mode	500	PSM,0.8V VFB	-40 to +125	TSOT23-6
TPP36106A4	Production	Industrial	4.5~36	0.8~36	1	Peak Current Mode	1000	PSM,0.8V VFB	-40 to +125	TSOT23-6
TPP36106A5	Production	Industrial	4.5~36	0.8~36	1	Peak Current Mode	1000	FPWM,0.8V VFB	-40 to +125	TSOT23-6
TPP361072Q	Production	Automotive	3~36	1~36	1	Peak Current Mode	2100	Low Iq, Spread Spectrum	-40 to +125	QFN2X3-12
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
TPP36208A05	Production	Industrial	4.5~36	5	2	Peak Current Mode	1000	PSM, Fixed 5V Output	-40 to +125	TSOT23-6

Wide-Vin Buck Converters

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Control Mode	Switching Frequency (kHz)	Features	Temperature Range (°C)	Package
TPP362070Q	Production	Automotive	3~36	1~36	2	Peak Current Mode	400	Low Iq, Spread Spectrum	-40 to +125	QFN2X3-12
TPP362072Q	Production	Automotive	3~36	1~36	2	Peak Current Mode	2100	Low Iq, Spread Spectrum	-40 to +125	QFN2X3-12
TPP362075Q	Production	Automotive	3~36	1~36	2	Peak Current Mode	2100	Low Iq	-40 to +125	QFN2X3-12
TPP363070Q	Production	Automotive	3~36	1~36	3	Peak Current Mode	400	Low Iq, Spread Spectrum	-40 to +125	QFN2X3-12
TPP363072Q	Production	Automotive	3~36	1~36	3	Peak Current Mode	2100	Low Iq, Spread Spectrum	-40 to +125	QFN2X3-12
TPP363070	Production	Industrial	3~36	1~36	3	Peak Current Mode	400	Low Iq, Spread Spectrum	-40 to +125	QFN2X3-12
TPP363072	Production	Industrial	3~36	1~36	3	Peak Current Mode	2100	Low Iq, Spread Spectrum	-40 to +125	QFN2X3-12
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
TPP36409	Production	Industrial	3~36	1~36	4	Peak Current Mode	200-2200	Low Iq, Spread Spectrum	-40 to +125	QFN4X3.5-14
TPP363090Q	Production	Automotive	3~36	1~36	3	Peak Current Mode	200-2200	PSM Mode, Low Iq, Spread Spectrum	-40 to +125	QFN4X3.5-14
TPP364090Q	Production	Automotive	3~36	1~36	4	Peak Current Mode	200-2200	PSM Mode, Low Iq, Spread Spectrum	-40 to +125	QFN4X3.5-14
TPP366090Q	Production	Automotive	3~36	1~36	6	Peak Current Mode	200-2200	PSM Mode, Low Iq, Spread Spectrum	-40 to +125	QFN4X3.5-14
TPP366091Q	Production	Automotive	3~36	1~36	6	Peak Current Mode	200-2200	FPWM Mode, Low Iq, Spread Spectrum	-40 to +125	QFN4X3.5-14
TPP366090	Production	Industrial	3~36	1~36	6	Peak Current Mode	200-2200	PSM Mode, Low Iq, Spread Spectrum	-40 to +125	QFN4X3.5-14
TPP366091	Production	Industrial	3~36	1~36	6	Peak Current Mode	200-2200	FPWM Mode, Low Iq, Spread Spectrum	-40 to +125	QFN4X3.5-14
TPP38002	Production	Industrial	4.5~36	0.6~36	2	Peak Current Mode	500	Isolated-Buck	-40 to +125	EVM,TSOT23-6
TPP38003	Production	Industrial	4.5~36	0.6~36	3	Peak Current Mode	400	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

Mid-Voltage Buck Converters

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Control Mode	Switching Frequency (kHz)	Features	Temperature Range (°C)	Package
TPP2020	Production	Industrial	4.5~17	0.8~17	2	Constant On-time	500	/	-40 to +125	TSOT23-6
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

Mid-Voltage Buck Converters

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Control Mode	Switching Frequency (kHz)	Features	Temperature Range (°C)	Package
TPP21206	Production	Industrial	2.7~16	0.6~5.5	12	Constant On Time	600, 800, 1000	Softstart/Tracking, Remote Sense	-40 to +125	QFN3X4-21

Low-Voltage Buck Converters

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Control Mode	Switching Frequency (kHz)	Features	Temperature Range (°C)	Package
TPP056080	Production	Industrial	2.8~6	0.6~6	6	Peak Current Mode	200-1600	Softstart	-40 to +125	QFN3X3-16
TPP053010	Production	Industrial	2.5~5.5	0.6~5.5	3	Constant Off Time	2200	PSM	-40 to +125	SOT563
TPP053011	Production	Industrial	2.5~5.5	0.6~5.5	3	Constant Off Time	2200	FPWM	-40 to +125	SOT563
TPP053022	Production	Industrial	2.5~5.5	0.6~5.5	3	Constant Off Time	1100	PSM, Vout Sense	-40 to +125	SOT563

DrMOS

Part Number	Status	Rating	VIN (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	DFN2X2-6,WLCSP
TPQ051003	Production	Industrial	0.9~5.5	1.8~5.5	/	-40 to +125	DFN2X2-6
TPQ051004	Production	Industrial	0.9~5.5	1.8~5.5	/	-40 to +125	DFN2X2-6
TPQ051007	Production	Industrial	0.9~5.5	1.8~5.5	/	-40 to +125	DFN2X2-6,WLCSP
TPQ5055	Production	Industrial	3~45	>VIN	External FET	-40 to +125	DFN3X2-12
TPQ50551	Production	Industrial	3~45	>VIN	External FET	-40 to +125	DFN3X2-12
TPQ50551Q	Production	Automotive	3~45	>VIN	External FET	-40 to +125	DFN3X2-12
TPQ50552Q	Production	Automotive	3~45	>VIN	External FET	-40 to +125	DFN3X2-12
TPQ50553Q	Production	Automotive	3~45	>VIN	External FET	-40 to +125	DFN3X2-12
TPQ5055Q	Production	Automotive	3~45	>VIN	External FET	-40 to +125	DFN3X2-12

Boost Converter

Part Number	Status	Rating	VIN (V)	Output (V)	Max Output Current (A)	Temperature Range (°C)	Package
TPQ50571	Production	Industrial	3~45	VIN~45	6.2	-40 to +125	QFN3X3-16
TPQ50571Q	Production	Automotive	3~45	VIN~45	6.2	-40 to +125	QFN3X3-16
TPQ5180	Production	Industrial	4.5~75	Isolated Output	1.5	-40 to +125	DFN4X4-8
TPQ5180Q	Production	Automotive	4.5~75	Isolated Output	1.5	-40 to +125	DFN4X4-8
TPQ5181Q	Production	Automotive	4.5~60	Isolated Output	2.1	-40 to +125	DFN4X4-8
TPQ80302	Production	Industrial	3.1~80	VIN~80	4	-40 to +125	QFN3.5X3.5-20

PoE

Part Number	Status	Rating	VIN (V)	Temperature Range (°C)	PD Hot-Swap Swith Rdson (Ω)	PoE Standards Supported	PoE Current Limit (mA)	DCDC Controller or Converter	DCDC Topology	DCDC Integrated Switch Rdson (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, MPS	QFN3X4-19
TPE15018	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, No MPS	QFN3X4-19

Isolated Power Supply

Part Number	Status	Rating	VIN (V)	Max Output Current (A)	Topology	Regulation	Switching Frequency (kHz)	Temperature Range (°C)	Package
TPM6501	Production	Industrial	2.5~25	1	Push-pull	Open-loop	420, 2200	-40 to +125	SOT23-5
TPM6501Q	Production	Automotive	2.5~25	1	Push-pull	Open-loop	420, 2200	-40 to +125	SOT23-5
TPM6505	Production	Industrial	2.5~25	1	Push-pull	Open-loop	160, 420, 2200	-40 to +125	SOT23-6
TPM6505Q	Production	Automotive	2.5~25	1	Push-pull	Open-loop	160, 420, 2200	-40 to +125	SOT23-6
TPP38002	Production	Industrial	4.5~36	2	Isolated-Buck	PSR	500	-40 to +125	EVM,TSOT23-6
TPP38003	Production	Industrial	4.5~36	3	Isolated-Buck	PSR	400	-40 to +125	TSOT23-6
TPQ5180	Production	Industrial	4.5~75	1.5	Flyback	QR PSR	12kHz ~ 350kHz	-40 to +125	DFN4X4-8
TPQ5180Q	Production	Automotive	4.5~75	1.5	Flyback	QR PSR	12kHz ~ 350kHz	-40 to +125	DFN4X4-8
TPQ5181Q	Production	Automotive	4.5~60	2.1	Flyback	QR PSR	12kHz ~ 350kHz	-40 to +125	DFN4X4-8

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
TPM1202	Production	Industrial	16~100	14.5	0.2	2	-40 to +125	QFN4X4-16
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)	Number of Channels	Max Output Current (A)	Features	Package
TPM0596	Production	Industrial	5~50	8	0.5	Shift Register	TSSOP16
TPM0596C	Production	Industrial	5~50	8	0.5	Shift Register	QFN3X3-16,TSSOP16
TPM2001	Production	Industrial	5~50	4	1	Parallel Input	MSOP10
TPM2003	Production	Industrial	5~50	7	0.5	Parallel Input	MSOP10,SOP16,SOP18,TSSOP16
TPM2003C	Production	Industrial	5~50	7	0.5	Parallel Input	SOP16,TSSOP16
TPM2803	Production	Industrial	5~50	8	0.5	Parallel Input	SOP18
TPM8803	Production	Industrial	5~48	4	3	Short Protection	ETSSOP16,EVM
TPM8860	Production	Industrial	5~48	8	1.5	Shift-Register Interface, Open-Load, Short Protection	ETSSOP16,EVM,TSSOP16
TPM8866	Production	Industrial	5~48	8	1.5	Shift-Register Interface, Open-Load, Short Protection, Fault Mask, CRC	ETSSOP24,EVM

Isolated Gate Drivers

Part Number	Status	Rating	Isolation Rating	Isolation Rating (Vrms)	Number of Channels	Input	Driver UVLO Threshold Typ (V)	Peak Output Current (A)	Features	Output Voltage Max (V)	Output Voltage Min (V)	Propagation Delay (ns)	Junction Temperature Range (°C)	Package
TPM21520	Production	Industrial	Reinforced	5700	2	TTL/CMOS	12	4.2/7.8	Deadtime Control	30	13.5	30	-40 to +150	WSOP16
TPM23513	Production	Industrial	Reinforced	5700	1	Opto-coupler compatible	12.5	4.5/5	Opto-coupler compatible input	40	14	70	-40 to +150	EVM,WSOP6
TPM23513B	Production	Industrial	Reinforced	5700	1	Opto-coupler compatible	8.95	4.5/5	Opto-coupler compatible input, 8V UVLO	40	10	70	-40 to +150	WSOP6
TPM23514	Production	Industrial	Reinforced	5700	1	Opto-coupler compatible, Miller Clamp	12.5	5/5	Opto-coupler compatible input	40	14	70	-40 to +150	WSOP8
TPM5350MQ	Production	Automotive	Reinforced	5700	1	TTL/CMOS	12.5	5/5	High CMTI, Miller Clamp	40	13	39	-40 to +150	WSOP8

Isolated Gate Drivers

Part Number	Status	Rating	Isolation Rating	Isolation Rating (Vrms)	Number of Channels	Input	Driver UVLO Threshold Typ (V)	Peak Output Current (A)	Features	Output Voltage Max (V)	Output Voltage Min (V)	Propagation Delay (ns)	Junction Temperature Range (°C)	Package
TPM5355	Pre-Production	Industrial	Reinforced	5000	1	TTL/CMOS	6/8/12	5/5	Miller Clamp	35	4	70	-40 to +150	WSOP8/SOP8
TPM21550	Pre-Production	Industrial	Reinforced	5000	2	TTL/CMOS	6/8/12	5/5	Deadtime Control	35	4	70	-40 to +150	WSOP16/14
TPM23525	Pre-Production	Industrial	Reinforced	5000	1	Opto-coupler compatible, Miller Clamp	6/8/12	5/5	Opto-coupler compatible input	35	4	70	-40 to +150	WSOP6
TPM21330	Pre-Production	Industrial	Reinforced	5000	2	TTL/CMOS	6/8/12	5/5	Deadtime Control	35	4	70	-40 to +150	SOP16

Non-isolated Gate Drivers

Part Number	Status	Rating	VIN (V)	Number of Channels	Max Output Current (A)	Input Range (V)	Junction Temperature Range (°C)	Rise/Fall Time (ns)	Propagation Delay (ns)	Delay Matching (ns)	Package
TPM1020	Production	Industrial	4.75~5.25	1	7	0~5	-40 to +150	0.225/0.44	0.3	N/A	WL CSP
TPM1025	Production	Industrial	4.75~5.25	1	7	0~5	-40 to +150	0.225/0.44	0.3	N/A	DFN2X2-6
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
TPM27211	Production	Industrial	120	2	3.5	7 - 20	-40 to 150	7/4.5	20	2	DFN4X4-8,ESOP8
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
TPM27282	Production	Industrial	120	2	3.5	7 - 20	-40 to 150	8.7/5.9	27	2	DFN3X3-10
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	<1	EMSOP8,SOP8
TPM27524	Production	Industrial	4.5~25	2	5	-5~20	-40 to +150	7/6	14	<1	DFN2X2-8,DFN3X3-8,EMSOP8,SOP8
TPM27524Q	Production	Automotive	4.5~25	2	5	-5~20	-40 to +150	7/6	14	<1	DFN2X2-8,EMSOP8,SOP8
TPM27525	Production	Industrial	4.5~25	2	5	-5~20	-40 to +150	7/6	14	<1	SOP8
TPM27526	Production	Industrial	4.5~25	2	5	-5~20	-40 to +150	7/6	14	<1	DFN3X3-8
TPM27533	Production	Industrial	10~40	1	5	-5~36	-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
TPM44175	Production	Industrial	4.5~25	1	2.6	-5~20	-40 to +150	5/5	15	N/A	SOT23-6

High Voltage Switch

Part Number	Status	Number of Channels	Switch Config	Rating	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 (μA)	Ron (Ω)	Leakage Current (nA)	VIH (Min) (V)	VIL (Max) (V)	tON (ns)	tOFF (ns)	Package
TPW4051	Production	1	8:1	Industrial	3	12	3	12	-6	0	VEE to VDD	200	8	60	400	2	0.8	60	50	QFN3X3-16,SOP16,TSSOP16,WSOP16
TPW4052	Production	2	4:1	Industrial	3	12	3	12	-6	0	VEE to VDD	200	8	60	400	2	0.8	60	50	SOP16,TSSOP16
TPW4053	Production	3	2:1	Industrial	3	12	3	12	-6	0	VEE to VDD	200	8	60	400	2	0.8	60	50	SOP16,TSSOP16
TPW4054	Production	1	4:1	Industrial	3	12	3	12	/	/	0V to VDD	200	8	60	400	2	0.8	60	50	MSOP10
TPW4066	Production	4	1:1	Industrial	3	12	3	12	/	/	0V to VDD	200	8	60	400	2	0.8	60	50	SOP14,TSSOP14
TPW4425	Production	4	2:1	Industrial	3	16	3	16	-8	0	VEE to VDD	150	0.1	4	100	1.5	0.5	320	130	QFN4X4-20
TPWH4051	Production	1	8:1	Industrial	4.5	24	4.5	24	-15	0	VEE to VCC	500	23	65	0.5	1.4	0.8	40	100	SOP16,TSSOP16
TPWH4052	Production	2	4:1	Industrial	4.5	24	4.5	24	-15	0	VEE to VCC	600	23	65	0.5	1.4	0.8	40	100	SOP16,TSSOP16

Low Voltage Switch

Part Number	Status	Number of Channels	Rating	Switch Config	VCC (Min) (V)	VCC (Max) (V)	Input Range	BW (MHz)	IQ (μA)	Ron (Ω)	Leakage Current (nA)	VIH (Min) (V)	VIL (Max) (V)	tON (ns)	tOFF (ns)	Package
TPW1221	Production	2	Industrial	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	1	Industrial	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	1	Industrial	1:1	1.65	5.5	0V to VCC	250	0.3	5	10	1.5	0.7	100	100	SOT23-5,SOT353
TPW3125	Production	1	Industrial	2:1	1.65	5.5	0V to VCC	250	0.3	5	10	1.42	0.7	100	100	SOT363
TPW3157A	Production	1	Industrial	2:1	1.65	5.5	0V to VCC	100	0.3	2	10	2.4	0.8	40	15	SOT363
TPW3188	Production	1	Industrial	8:1	1.65	5.5	0V to VCC	250	0.3	75	100	1.25	0.75	22	11	TSSOP16
TPW3188AQ	Production	1	Automotive	8:1	1.65	5.5	0V to VCC	250	0.3	75	100	1.25	0.75	22	11	TSSOP16
TPW3188Q	Production	1	Automotive	8:1	1.65	5.5	0V to VCC	250	0.3	75	100	1.25	0.75	22	11	QFN2.5X3.5-16,TSSOP16
TPW3188-Q100	Production	1	Industrial	8:1	1.65	5.5	0V to VCC	250	0.3	75	100	1.25	0.75	22	11	TSSOP16
TPW3221	Production	2	Industrial	2:1	1.65	5.5	0V to VCC	100	0.3	1.15	10	2.4	0.8	40	15	DFN3X3-10,MSOP10
TPW3223	Production	2	Industrial	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
TPW3227	Production	2	Industrial	2:1	1.8	5.5	0V to VCC	2500	4.5	7.3	1000	1.5	0.5	40	15	QFN1.4X1.8-10
TPW3257	Production	4	Industrial	2:1	2.3	3.6	0V to 5.5V	400	1500 (max)	9	1000	1.7	0.7	8	8	QSOP16,SOP16,TSSOP16
TPW3625	Production	6	Industrial	2:1	2	5.5	0V to VCC	500	0.1	8.5	0.05	1.5	0.6	25	8	QFN4X4-24
TPW4157	Production	1	Industrial	2:1	1.65	5.5	0V to VCC	100	0.3	1.15	10	2.4	0.8	40	15	SOT23-6,SOT363

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 (°C)	Package
TPT24857	Production	Industrial	7	7	1.1	3.6	208000	0.15	7	8	-40 to +85	WLCSP20
TPXT0506	Production	Industrial	7	7	1.1	1.95	208000	0.07	8	4	-40 to +85	WLCSP16
TPT29306	Production	Industrial	1	1	1.2	5.5	1000	1	4	/	-40 to +85	DFN1.4X1-8,DFN3X4-8,MSOP8,VSSOP8
TPT29336	Production	Industrial	1	1	0.9	5.5	12500	1	4	/	-40 to +125	MSOP8,SOT23-8,VSSOP8
TPT29511B	Production	Industrial	1	1	2.35	5.5	1000	6	7	/	-40 to +125	MSOP8,SOP8
TPT29511H	Production	Industrial	1	1	2.3	5.5	1000	6	7	/	-40 to +125	MSOP8,SOP8
TPT29606	Production	Industrial	2	2	0.72	1.98	25000	0.065	±7	/	-40 to +125	DFN1.4X1-8,SOT23-8
TPT29617A	Production	Industrial	1	1	1.2	5.5	1000	15	7	/	-40 to +125	MSOP8,SOP8
TPT29617X	Production	Industrial	1	1	0.85	5.5	1000	15	7	/	-40 to +125	MSOP8

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)	Operating Temperature Range (°C)	Package
TPT29536A	Production	Industrial	2	4	1.65	5.5	400	0.03	3	-40 to +105	MSOP8
TPT29539Q	Production	Automotive	2	16	1.65	3.6	400	0.03	4	-40 to +125	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	TSSOP16
TPT29548	Production	Industrial	1	8	2.5	5.5	400	0.03	3.5	-40 to +85	TSSOP24
TPT29548A	Production	Industrial	1	8	2.5	5.5	400	0.03	3.5	-40 to +85	QFN4X4-24,TSSOP24
TPT29548L	Production	Industrial	1	8	1.65	5.5	400	0.002	7	-40 to +125	QFN4X4-24,TSSOP24
TPT29548T	Production	Industrial	1	8	2.3	5.5	400	0.03	3.5	-40 to +125	QFN4X4-24
TPT29554A	Production	Industrial	2	8	1.65	5.5	400	0.03	4	-40 to +105	TSSOP16
TPT29555A	Production	Industrial	2	16	1.65	5.5	400	0.03	4	-40 to +85	QFN4X4-24,TSSOP24
TPT29539AQ	Production	Automotive	2	16	1.65	5.5	400	0.07	4	-40 to +125	TSSOP24
TPT29546L	Production	Industrial	1	4	1.65	5.5	400	0.005	7	-40 to +125	TSSOP16
TPT29641	Production	Industrial	2	1	2.3	3.6	1000	0.3	7	-40 to +85	TSSOP16,QFN3×3-16
TPT29508	Production	Industrial	2	8	1.65	5.5	400	0.03	4	-40 to +105	QFN1.8X2.6-16

CAN

Part Number	Status	Rating	Supply Voltage (V)	Bus Fault Protection Voltage (V)	Max Data Rate (Mbps)	Number of Channels	Features	BUS Contact ESD (kV)	Package
TPT1042	Production	Industrial	4.5 to 5.5	-70 to +70	5	1	Standby	15	DFN3X3-8,SOP8
TPT1042EVQ	Production	Automotive	4.5 to 5.5	-70 to +70	5	1	Standby, VIO	15	DFN3X3-8,SOP8
TPT1042Q	Production	Automotive	4.5 to 5.5	-70 to +70	5	1	Standby	15	DFN3X3-8,SOP8
TPT1042V	Production	Industrial	4.5 to 5.5	-70 to +70	5	1	Standby, VIO	15	DFN3X3-8,SOP8
TPT1042VQ	Production	Automotive	4.5 to 5.5	-70 to +70	5	1	Standby, VIO	15	DFN3X3-8,SOP8
TPT1043	Production	Industrial	4.5 to 5.5	-70 to +70	5	1	Silent, Standby, Sleep, INH, VIO	12	DFN4.5X3-14,SOP14
TPT1043EQ	Production	Automotive	4.5 to 5.5	-70 to +70	5	1	Silent, Standby, Sleep, INH, VIO	12	DFN4.5X3-14,SOP14
TPT1043Q	Production	Automotive	4.5 to 5.5	-70 to +70	5	1	Silent, Standby, Sleep, INH, VIO	12	DFN4.5X3-14,SOP14
TPT1044Q	Production	Automotive	4.5 to 5.5	-45 to +45	8	1	Standby	8	DFN3X3-8,SOP8
TPT1044VQ	Production	Automotive	4.5 to 5.5	-45 to +45	8	1	Standby, VIO	8	DFN3X3-8,SOP8
TPT1051H	Production	Industrial	4.5 to 5.5	-70 to +70	5	1	Silent	15	DFN3X3-8,SOP8
TPT1051HV	Production	Industrial	4.5 to 5.5	-70 to +70	5	1	Silent, VIO	15	DFN3X3-8,SOP8
TPT1051Q	Production	Automotive	4.5 to 5.5	-70 to +70	5	1	Silent	15	DFN3X3-8,SOP8
TPT1051VQ	Production	Automotive	4.5 to 5.5	-70 to +70	5	1	Silent, VIO	15	DFN3X3-8,SOP8
TPT1057Q	Production	Automotive	4.5 to 5.5	-45 to +45	8	1	Silent	8	DFN3X3-8,SOP8
TPT1057VQ	Production	Automotive	4.5 to 5.5	-45 to +45	8	1	Silent, VIO	8	DFN3X3-8,SOP8
TPT1145ENQ	Production	Automotive	4.5 to 5.5	-70 to +70	5	1	Partial Networking, SPI	10	DFN4.5X3-14,SOP14
TPT1145NQ	Production	Automotive	4.5 to 5.5	-70 to +70	5	1	Partial Networking, SPI	10	DFN4.5X3-14,SOP14
TPT1255	Production	Industrial	4.5 to 5.5	-42 to +42	5	1	Silent	15	DFN3X3-8,SOP8
TPT1256	Production	Industrial	4.5 to 5.5	-42 to +42	5	1	Silent, VIO	15	DFN3X3-8,SOP8
TPT1330	Production	Industrial	3 to 3.6	-45 to +45	5	1	Silent, Shut down	6	SOP8,SOT23-8
TPT1334	Production	Industrial	3 to 3.6	-45 to +45	5	1	Standby, Shut down	6	SOP8,SOT23-8
TPT1462Q	Production	Automotive	4.5 to 5.5	-45 to +45	8	1	Standby	8	DFN3X3-8,SOP8
TPT1462VQ	Production	Automotive	4.5 to 5.5	-45 to +45	8	1	Standby, VIO	8	DFN3X3-8,SOP8
TPT1043AQ	Production	Automotive	4.5 to 5.5	-45 to +45	8	1	Silent, Standby, Sleep, INH, VIO	8	DFN4.5X3-14,SOP14
TPT1445Q	Production	Automotive	4.5 to 5.5	-45 to +45	8	1	Partial Networking, SPI	6	DFN4.5X3-14,SOP14
TPT1463Q	Production	Automotive	4.5 to 5.5	-45 to +45	8	1	Silent, Standby, Sleep, INH, VIO	8	DFN4.5X3-14,SOP14

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LIN

Part Number	Status	Rating	Supply Voltage (V)	Bus Fault Protection Voltage (V)	Data Rate (Max) (kBPS)	Number of Channels	Features	BUS Contact ESD (kV)	Package
TPT1021EQ	Production	Automotive	5.5 to 40	-45 to +45	20	1	INH pin, WAKE pin	15	DFN3X3-8,SOP8
TPT1021Q	Production	Automotive	5.5 to 40	-45 to +45	20	1	INH pin, WAKE pin	15	DFN3X3-8,SOP8
TPT1022Q	Production	Automotive	5.5 to 40	-45 to +45	20	2	SLP pin	8	DFN4.5X3-14,SOP14
TPT1024Q	Production	Automotive	5.5 to 40	-45 to +45	20	4	SLP pin	8	QFN5.5X3.5-24
TPT10283Q	Production	Automotive	5.5 to 40	-45 to +45	20	1	3.3V LDO	15	DFN3X3-8,ESOP8,SOP8
TPT10285Q	Production	Automotive	5.5 to 40	-45 to +45	20	1	5V LDO	15	DFN3X3-8,ESOP8,SOP8
TPT1029Q	Production	Automotive	5.5 to 40	-45 to +45	20	1		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
TPT3122EH	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	QFN5X5-32,SOP28,SSOP28,TSSOP28
TPT3335	Production	Industrial	3	5	3	5.5	1000	1	15	12	-40 to +125	QFN5X5-32,SOP28,SSOP28,TSSOP28

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 +125	SOP8
TP8481	Production	Industrial	1	0	3	5.5	250	0.35	12	N/A	-40 to +125	SOP8
TP8485E	Production	Industrial	1	1	3	5.5	250	0.93	18	N/A	-40 to +125	MSOP8,SOP8
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

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
TPT4181H	Production	Industrial	1	1	3	5.5	20000	2	18	15	-40 to +125	SOP8
TPT4181V	Production	Industrial	1	1	3	5.5	500	0.6	18	15	-40 to +125	SOP8
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	32000	2.5	20	15	-40 to +125	DFN3X3-8,SOP8
TPT481	Production	Industrial	1	1	3	5.5	20000	2.7	18	15	-40 to +125	DFN3X3-8,MSOP8,SOP8
TPT482	Production	Industrial	1	1	3	5.5	32000	2.5	20	15	-40 to +125	MSOP10,SOP14
TPT485A	Production	Industrial	1	1	4.5	5.5	500	0.6	20	15	-40 to +125	SOP8
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	DFN3X3-8,MSOP8,SOP8
TPT487A	Production	Industrial	1	1	3	5.5	500	0.75	20	15	-40 to +125	SOP8
TPT488	Production	Industrial	1	1	3	5.5	500	2.5	20	15	-40 to +125	SOP8
TPT75176A	Production	Industrial	1	1	3	5.5	10000	5	12	12	-40 to +125	DFN3X3-8,MSOP8,SOP8
TPT75176B	Production	Industrial	1	1	3	5.5	10000	5	12	12	-40 to +125	DFN3X3-8,MSOP8,SOP8
TPT75176C	Production	Industrial	1	1	3	5.5	10000	1.5	15	15	-40 to +125	SOP8
TPT75176F	Production	Industrial	1	1	3	5.5	20000	2.2	15	15	-40 to +125	DFN3X3-8,MSOP8,SOP8
TPT75176H	Production	Industrial	1	1	3	5.5	10000	2.2	15	15	-40 to +125	DFN3X3-8,MSOP8,SOP8
TPT75176X	Production	Industrial	1	1	3	5.5	10000	1.5	18	15	-40 to +125	MSOP8,SOP8

SBC

Part Number	Status	Rating	Supply Voltage (V)	Bus Fault Protection Voltage (V)	Data Rate (Max) (kBPS)	Number of Channels	Features	BUS Contact ESD (kV)	Package
TPT10283Q	Production	Automotive	5.5 to 40	\u221245 to +45	20	1	Integrated LDO	15	DFN3X3-8,ESOP8,SOP8
TPT10285Q	Production	Automotive	5.5 to 40	\u221245 to +45	20	1	Integrated LDO	15	DFN3X3-8,ESOP8,SOP8
TPT11695XFQ	Production	Automotive	5.5 to 40	\u221245 to +45	8000	1	2 x Integrated LDO, Watchdog, SPI	8	DFN5.5X3.5-20
TPT11695XQ	Production	Automotive	5.5 to 40	-45 to +45	8000	1	2 x Integrated LDO, Watchdog, SPI	8	DFN5.5X3.5-20
TPT11695FQ	Production	Automotive	5.5 to 40	-45 to +45	8000	1	2 x Integrated LDO, Watchdog, SPI	8	DFN5.5X3.5-20
TPT11695Q	Production	Automotive	5.5 to 40	-45 to +45	8000	1	2 x Integrated LDO, Watchdog, SPI	8	DFN5.5X3.5-20

Contact 3PEAK sales for more products information and samples.

SBC

Part Number	Status	Rating	Supply Voltage (V)	Bus Fault Protection Voltage (V)	Data Rate (Max) (kBPS)	Number of Channels	Features	BUS Contact ESD (kV)	Package
TPT11693FQ	Production	Automotive	5.5 to 40	-45 to +45	8000	1	2 x Integrated LDO, Watchdog, SPI	8	DFN5.5X3.5-20
TPT11693Q	Production	Automotive	5.5 to 40	-45 to +45	8000	1	2 x Integrated LDO, Watchdog, SPI	8	DFN5.5X3.5-20

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
TPT9H2211	Production	Industrial	1	1	3	3.6	250000	24	8	Yes	-40 to +125	SOP8

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
TPD160121	Production	Industrial	PCIe, DP, USB, USB3.2, I3C, MIPI, SATA, SAS	Passive mux	16000	2	3.6	3	6500	0	VCC	2:1 MUX	-40 to 125	QFN1.5x2,0-10

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
TPT7621	Production	Industrial	1/1	8000	12000	200	150	100	High	SOP8
TPT7710F	Production	Industrial	1/0	5000	6500	200	150	150	Low	SOP8
TPT7720	Production	Industrial	2/0	5000	10000	200	150	150	High	SOP8,WSOP16,WSOP8
TPT7720F	Production	Industrial	2/0	5000	10000	200	150	150	Low	SOP8,WSOP16,WSOP8
TPT7721	Production	Industrial	2/1	5000	10000	200	150	150	High	SOP8,WSOP16,WSOP8
TPT7721F	Production	Industrial	2/1	5000	10000	200	150	150	Low	SOP8,WSOP16,WSOP8
TPT7722E	Production	Industrial	1/1	3750	5980	200	150	150	High	SOP8
TPT7731	Production	Industrial	3/1	5000	10000	200	150	150	High	SOP16
TPT7740	Production	Industrial	4/0	5000	10000	200	150	150	High	QSOP16,SOP16,WSOP16
TPT7740F	Production	Industrial	4/0	5000	10000	200	150	150	Low	QSOP16,SOP16,WSOP16
TPT7741	Production	Industrial	4/1	5000	10000	200	150	150	High	QSOP16,SOP16,WSOP16
TPT7741F	Production	Industrial	4/1	5000	10000	200	150	150	Low	QSOP16,SOP16,WSOP16
TPT7742	Production	Industrial	4/2	5000	10000	200	150	150	High	QSOP16,SOP16,WSOP16
TPT7742F	Production	Industrial	4/2	5000	10000	200	150	150	Low	QSOP16,SOP16,WSOP16

Isolated Power Supply

Part Number	Status	Rating	VIN (V)	Max Output Current (A)	Topology	Regulation	Switching Frequency (kHz)	Temperature Range (°C)	Package
TPM6501	Production	Industrial	2.5~25	1	Push-pull	Open-loop	420, 2200	-40 to +125	SOT23-5
TPM6501Q	Production	Automotive	2.5~25	1	Push-pull	Open-loop	420, 2200	-40 to +125	SOT23-5
TPM6505	Production	Industrial	2.5~25	1	Push-pull	Open-loop	160, 420, 2200	-40 to +125	SOT23-6
TPM6505Q	Production	Automotive	2.5~25	1	Push-pull	Open-loop	160, 420, 2200	-40 to +125	SOT23-6
TPP38002	Production	Industrial	4.5~36	2	Isolated-Buck	PSR	500	-40 to +125	EVM,TSOT23-6
TPP38003	Production	Industrial	4.5~36	3	Isolated-Buck	PSR	400	-40 to +125	TSOT23-6
TPQ5180Q	Production	Automotive	4.5~75	1.5	Flyback	QR PSR	12kHz ~ 350kHz	-40 to +125	DFN4X4-8
TPQ5180Q	Production	Automotive	4.5~75	1.5	Flyback	QR PSR	12kHz ~ 350kHz	-40 to +125	DFN4X4-8
TPQ5181Q	Production	Automotive	4.5~60	2.1	Flyback	QR PSR	12kHz ~ 350kHz	-40 to +125	DFN4X4-8

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 Duplex	WSOP16
TPT7482	Production	Industrial	5000	10000	200	150	20	Full Duplex	WSOP16
TPT7487	Production	Industrial	5000	10000	200	150	0.5	Half Duplex	WSOP16
TPT7488	Production	Industrial	5000	10000	200	150	0.5	Full Duplex	WSOP16

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 (V)	Package
TPT71044	Production	Industrial	5000	10000	200	150	5	42V	WSOP16,WSOP8
TPT71050	Production	Industrial	5000	10000	200	150	5	42V	SMP8,WSOP16

ISO-I2C

Part Number	Status	Rating	Isolation Rating (Vrms)	Surge Voltage Capability (Vpk)	CMTI (kV/μs) (Static)	CMTI (kV/μs) (Dynamic)	Max Data Rate (Mbps)	Clock Direction	Package
TPT7250	Production	Industrial	8000	12000	200	150	1	Bidirection	SOP8
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 Range (V)	Insulation Rating (Vrms)	Package
TPA8000	Production	Industrial	Isolated Amplifier	G = 8, Differential Output	0.25	5000	SMP8,WSOP8
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
TPA8023	Production	Industrial	Isolated Amplifier	G = 1, Single End Output	2	3750	SOP8,WSOP8
TPA8101	Production	Industrial	Isolated Modulator	Clock In	0.25	5000	TSSOP8,WSOP16,WSOP8

Isolated Gate Drivers

Part Number	Status	Rating	Isolation Rating	Isolation Rating (Vrms)	Number of Channels	Input	Driver UVLO Threshold Typ (V)	Peak Output Current (A)	Features	Output Voltage Max (V)	Output Voltage Min (V)	Propagation Delay (ns)	Junction Temperature Range (°C)	Package
TPM21520	Production	Industrial	Reinforced	5700	2	TTL/CMOS	12	4.2/7.8	Deadtime Control	30	13.5	30	-40 to +150	WSOP16
TPM23513	Production	Industrial	Reinforced	5700	1	Opto-coupler compatible	12.5	4.5/5	Opto-coupler compatible input	40	14	70	-40 to +150	EVM,WSOP6
TPM23513B	Production	Industrial	Reinforced	5700	1	Opto-coupler compatible	8.95	4.5/5	Opto-coupler compatible input, 8V UVLO	40	10	70	-40 to +150	WSOP6
TPM23514	Production	Industrial	Reinforced	5700	1	Opto-coupler compatible, Miller Clamp	12.5	5/5	Opto-coupler compatible input	40	14	70	-40 to +150	WSOP8
TPM5350MQ	Production	Automotive	Reinforced	5700	1	TTL/CMOS	12.5	5/5	High CMTI, Miller Clamp	40	13	39	-40 to +150	WSOP8

LDO & Voltage Reference

Low Voltage LDO

Part Number	Status	Rating	Minimum Input Voltage (V)	Maximum Input Voltage (V)	Output Voltage (V)	Accuracy (max)	Max Output Current (mA)	Iq (typ) (mA)	Dropout (typ) (mV)	PSRR @ 1kHz (dB)	Noise (μVRMS)	Temperature Range (°C)	Features	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
TPL7031	Production	Industrial	2.05	5.5	Fixed 3.3	±1.5%	300	0.00035	310	55	150	-40 to +125	/	DFN1X1-4,SOT23-5
TPL710	Production	Industrial	2.4	6	Fixed (1.0, 1.2, 1.5, 1.8, 2.5, 2.8, 3.0, 3.3)	±3%	200	0.0014	170	54	90	-40 to +125	/	DFN1X1-4,SOT23-3, SOT23-5,SOT89-3
TPL720	Production	Industrial	2.4	6	Fixed (1.0, 1.2, 1.5, 1.8, 2.5, 2.8, 3.0, 3.3)	±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	/	DFN1X1-4,SOT23-5, SOT353
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	/	DFN1X1-4,SOT23-5, 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	/	DFN1X1-4,SOT23-5, WLCSP
TPL9032-S	Production	Industrial	1.75	5.5	Fixed 3.3	±2%	300	0.12	80	81.9	8.6	-40 to +125	AEC-Q100 Qualified	SOT23-5
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	/	DFN1X1-4,SOT23-5
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
TPL910A-S	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,EVM
TPL9208-S	Production	Industrial	1.1	6.5	Adjustable (0.8 to 5.2)	±1%	2000	5	80	72	3.3	-40 to +125	/	DFN2.5X2.5-10,QFN 5X5-20
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	Production	Industrial	1.1	6.5	Adjustable (0.8 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	/	QFN3.5X3.5-20

Contact 3PEAK sales for more products information and samples.

High Voltage LDO

Part Number	Status	Rating	Minimum Input Voltage (V)	Maximum Input Voltage (V)	Output Voltage (V)	Accuracy (max)	Max Output Current (mA)	Iq (mA)	Dropout (mV)	PSRR (dB)	Noise (μVRMS)	Temperature Range (°C)	Package
TPL5080	Production	Industrial	2.7	16	Fixed (3.3, 5)	±2%	800	0.8	320	50	0.003%VOUT	-40 to +125	SOT223-3
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%	300	0.003	440	65	/	-40 to +150	SOT223-3,SOT23-5,SOT89-3
TPL8031Q	Production	Automotive	3	42	Fixed (3.3, 5)	±2.5%	300	0.003	440	65	/	-40 to +150	DFN3X3-8,EMSOP8,EVM,SOT223-3
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
TPL8032Q	Production	Automotive	2.5	20	Adjustable (1.22 to 18)	±2%	300	0.096	375	96	5.2	-40 to +150	ESOP8
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
TPL8033	Production	Industrial	2.5	20	Adjustable (1.2 to 15)	±2%	200	2.2	250	110	1	-40 to +125	DFN3X3-10
TPL8034Q	Production	Automotive	3	42	Fixed (3.3, 5)	±2%	300	0.003	440	65	/	-40 to +150	EMSOP8,EVM
TPL8035Q	Production	Automotive	3	42	Fixed (3.3, 5)	±2%	300	0.003	440	65	/	-40 to +150	DFN3X3-8,EMSOP8
TPL8051Q	Production	Automotive	4	42	Adjustable (1.2 to 18)	±2%	450	5	700	50	-	-40 to +125	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
TPL8151Q	Production	Automotive	2.75	29	Adjustable (1.25 to 25)	±2%	1500	0.075	1300	72	17.5	-40 to +150	ESOP8
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
TPL820	Production	Industrial	3.6	42	Fixed (2.8, 3, 3.3, 5)	±2%	180	0.002	720	65	70	-40 to +125	SOT223-3,SOT23-3,SOT23-5,SOT89-3
TPL8536Q	Production	Automotive	4	42	Fixed (3.3, 5)	±2%	300	0.006	260	50	/	-40 to +150	ETSSOP16
TPL8556Q	Production	Automotive	4	42	Fixed (3.3, 5)	±2%	500	0.006	440	50	/	-40 to +150	ETSSOP28
TPL8601Q	Production	Automotive	3.5	42	Adjustable (1.5 to 18)	±4mV	150	0.05	270	65	80	-40 to +125	ESOP8,EVM
TPL8602Q	Production	Automotive	3.5	42	Adjustable (1.5 to 18)	±4mV	250	0.05	340	65	80	-40 to +125	ESOP8
TPL8650Q	Production	Automotive	4	42	Adjustable (1.5 to 18)	±4mV	50	0.055	635	65	25	-40 to +125	SOT23-5
TPL8771Q	Production	Automotive	3.5	42	ADJ (1.5 to 20)	±2%	300	0.43	900	80	350	-40 to +125	ETSSOP16
TPL8772Q	Production	Automotive	4.5	42	ADJ (1.5 to 20)	±2%	300	0.43	900	80	350	-40 to +150	ETSSOP16

Shunt Voltage Reference

Part Number	Status	Rating	Output Voltage	Isink (min) (mA)	Isink (max) (mA)	Accuracy	TC (ppm/°C)	10 to 10kHz Voltage Noise (μVrms)	Output Capacitor Load (μF)	Features	Package
TPR431	Production	Industrial	Adjustable (VREF to 36)	1	80	0.005	50	/	/	/	SOT23G-3
TPR431-S	Production	Industrial	Adjustable (VREF to 36)	1	80	0.005	50	/	/	AEC-Q100 Qualified	SOT23G-3
TPR432	Production	Industrial	Adjustable (VREF to 36)	1	80	0.005	50	/	/	/	SOT23G-3
TPR433Q	Production	Automotive	Adjustable (VREF to 36V)	0.6	80	0.005	50	/	/	/	SOT23G-3
TPR433-S	Production	Industrial	Adjustable (VREF to 36)	0.6	80	0.005	50	/	/	/	SOT23G-3
TPR434-S	Production	Industrial	Adjustable (VREF to 36)	0.6	80	0.005	50	/	/	/	SOT23G-3
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	/	SOT23G-3
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	Q100 Qualified	SOT23G-3

Series Voltage Reference

Part Number	Status	Rating	Vin (Min) (V)	Vin (Max) (V)	Output Voltage	Iq (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)	Features	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	/	SOT23G-3
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	QFN1.5X1.5-8, SOT23G-3
TPR34-S	Production	Industrial	2.1	5.5	Fixed (1.25 V, 2.048 V, 2.5 V, 3 V, 3.3 V, 4.096)	180	0.0015	10	15	12	65	20	0.1 to 10	/	WL CSP
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	/	SOT23G-3
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)	Number of Channels	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,EVM
TPS60C01Q	Production	Automotive	6	52	/	1	Adjustable, Software	/	/	5%	5%	-40 to +125	QFN5X5-32

Ideal Diode/ORing Controllers

Part Number	Status	Rating	Minimum Operating Voltage (V)	Maximum Operating Voltage (V)	Number of Channels	Typical Iq (μA)	Iq (Max) (μA)	Typical IGATE Source (μA)	Minimum IGATE Source (μA)	Typical IGATE Sink (mA)	Temperature Range (°C)	Package
TPS65R01Q	Production	Automotive	4	60	1	60	100	13000	3000	2370	-40 to +125	SOT23-6
TPS75R01	Production	Industrial	5	75	1	283	400	32	25	1900	-40 to +125	SOT23-6
TPS75R01B	Production	Industrial	5	75	1	283	400	95	60	1900	-40 to +125	SOT23-6

Load Switches

Part Number	Status	Rating	Function	Number of Channels	Vin (min)	Vin (Max)	I _{max}	R _{dson}	Shutdown Current	Quiescent current	Soft Start	Features	Package
TPS05S60	Production	Industrial	Load Switch	1	2.5	5.5	6	13	1.27	230	Y	Build-in SS & Inrush control, reverse current protection	DFN3X3-10

High-Side Switches

Part Number	Status	Rating	Minimum Operating Voltage (V)	Maximum Operating Voltage (V)	Number of Channels	Ron (mΩ)	Iq (Max) (μA)	Maximum Output Current (A)	Current Limit Type	Maximum Current Limit (A)	Temperature Range (°C)	Package
TPS42S40Q	Production	Automotive	5	40	1	100	5000	4	Adjustable	13	-40 to +125	ETSSOP14

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)	Number of Channels	Junction Temperature Range (°C)	Package
TPK1031	Production	Industrial	2.7 ~ 5.5		FLAG1->FLAG2->FLAG3			0 ~ VCC	3	-40 to +125	MSOP8
TPK1032	Production	Industrial	2.7 ~ 5.5		FLAG1->FLAG2->FLAG3			0 ~ VCC	3	-40 to +125	SOT23-6
TPK1034	Production	Industrial	2 ~ 5.5	Adjustable Time by Capacitor	Adjustable Time by Capacitor	Adjustable Time by Capacitor	Yes	0~6	4	-40 to +125	QFN3.5X3.5-20

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
TPV706	Production	Industrial	4	Yes	Yes	Yes	Yes	200	1.6	Low Active	Push-Pull	-40 to +125	SOP8
TPV708	Production	Industrial	2.2	Yes	Yes	/		200	/	Low Active and High Active		-40 to +125	SOP8
TPV803	Production	Industrial	2.2	Yes	/	/		200	/	Low Active		-40 to +125	SOT23-3,SOT23G-3
TPV803C	Production	Industrial	2.2	Yes	NO	NO	NO	200	NO	Low Active	Open Drain	-40 to +125	SOT23G-3
TPV809	Production	Industrial	2.2	Yes	/	/		200	/	Low Active		-40 to +125	SOT23-3,SOT23G-3
TPV810	Production	Industrial	2.2	Yes	/	/		200	/	High Active		-40 to +125	SOT23G-3
TPV811	Production	Industrial	2.2	Yes	Yes	/		200	/	Low Active		-40 to +125	SOT143-4
TPV821	Production	Industrial	2.2	Yes	Yes	/		200	/	Low Active		-40 to +125	SOT143-4
TPV8308	Production	Industrial	0.6	Yes	Yes	/		Programmable	/	Low Active or High Active		-40 to +125	SOT23-6
TPV8308Q	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		-40 to +125	SOT23-5
TPV8348	Production	Industrial	0.4	Yes	Yes	/		Programmable	/	Low Active or High Active		-40 to +125	DFN1.5X1-6,SOT23-5
TPV8368Q	Production	Automotive	2	Yes	Yes	/		Programmable	/	Low Active		-40 to +125	SOT23-5,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
TPV6820Q	Production	Automotive	6	Yes	Yes	Yes	No	5ms	200ms	Low Active	Push Pull	-40 to 125	SOT23-5
TPV6823	Production	Industrial	2.2	Yes	Yes	Yes	/	200	1.6	Low Active	Push-Pull	-40 to +125	SOT23-5
TPV6823C	Production	Industrial	2.2	YES	YES	YES	No	200	1.6	Low Active	Push-Pull	-40 to +125	SOT23-5

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
TPV6823Q	Production	Automotive	6	Yes	Yes	Yes	No	200ms	1.6s	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
TPV706C	Production	IndustrialI	4	YES	YES	YES		200	1.6	Low Active	Push-Pull	-40 to +125	SOP8
TPV710	Production	Automotive	6	No	No	Yes	No	96, 75, 200	0.1, 0.6, 1.6, 6.4	Low Active	Open Drain	-40 to 125	SOT23-5

Logic & Voltage Translation

AND

Part Number	Status	Rating	Technology Family	Number of Channels	Supply Range (V)	Input Type	Output Type	DC Drive Strength (mA)	Operating Temperature Range (°C)	Package
T74L1G32Q	Production	Automotive	LVC	1	1.65-5.5	CMOS	Push-pull output	32	-40 to +125	SOT-353
T74L1G32	Production	Industrial	LVC	1	1.65-5.5	CMOS	Push-pull output	32	-40 to +125	SOT-353, SOT23-5
T74L1G08Q	Production	Automotive	LVC	1	1.65-5.5	CMOS	Push-pull output	32	-40 to +125	SOT-353
T74L1G08	Production	Industrial	LVC	1	1.65-5.5	CMOS	Push-pull output	32	-40 to +125	SOT-353, SOT23-5
T74L1G125	Production	Industrial	LVC	1	1.65-5.5	CMOS	3-State	32	-40 to +125	SOT23-5
T74L1G126	Production	Industrial	LVC	1	1.65-5.5	CMOS	3-State	32	-40 to +125	SOT23-5
T74L1G00	Production	Industrial	LVC	1	1.65-5.5	CMOS	Push-pull output	32	-40 to +125	SOT23-5
T74L2G17	Production	Industrial	LVC	2	1.65-5.5	CMOS	Push-pull output	32	-40 to +125	SOT-363
T74L2G07	Production	Industrial	LVC	2	1.65-5.5	CMOS	Open drain	/	-40 to +125	SOT-363
T74LV1T34	Production	Industrial	LV1T	1	1.65-5.5	TTL	Push-pull output	32	-40 to +125	SOT23-5
T74L1G74	Production	Industrial	LVC	1	1.65-5.5	CMOS	Push-pull output	32	-40 to +125	VSSOP8, DFN1.4X1-8
T74L1G04	Production	Industrial	LVC	1	1.65-5.5	CMOS	Push-pull output	32	-40 to +125	SOT-353
T74L2G04	Production	Industrial	LVC	2	1.65-5.5	CMOS	Push-pull output	32	-40 to +125	SOT-363
T74A08	Production	Industrial	AHC	4	1.65-5.5	CMOS	Push-pull output	8	-40 to +125	SOP14
T74A14	Production	Industrial	AHC	4	2-5.5	CMOS	Push-pull output	8	-40 to +125	SOP14, TSSOP14
T74AT14	Production	Industrial	AHCT	4	2-5.5	TTL	Push-pull output	8	-40 to +125	SOP14
T74AT08	Production	Industrial	AHCT	4	2-5.5	TTL	Push-pull output	8	-40 to +125	SOP14

Auto Detection

Part Number	Status	Rating	Technology Family	Number of Channels	Supply Range (V)	Input Type	Output Type	DC Drive Strength (mA)	Operating Temperature Range (°C)	Package
TPT20104	Production	Industrial	TXS	4	1.65-3.6/1.65-5.5	Transition Gate	Push-pull output/Open drain	1	-40 to +125	QFN3.5X3.5-14,TSSOP14
TPT20104Q	Production	Automotive	TXS	4	1.65-3.6/1.65-5.5	Transition Gate	Push-pull output/Open drain	1	-40 to +125	TSSOP14
TPT20108	Production	Industrial	TXS	8	1.65-3.6/1.65-5.5	Transition Gate	Push-pull output/Open drain	1	-40 to +125	QFN3.5X4.5-20,TSSOP24
TPT20108Q	Production	Automotive	TXS	8	1.65-3.6/1.65-5.5	Transition Gate	Push-pull output/Open drain	1	-40 to +125	TSSOP20
TPT20204	Production	Industrial	TXB	4	1.65-3.6/1.2-5.5	CMOS	Push-pull output	1	-40 to +125	QFN1.7X2-12,TSSOP14
TPT20208	Production	Industrial	TXB	8	1.65-3.6/1.2-5.5	CMOS	Push-pull output	1	-40 to +125	QFN3.5X4.5-20
TPT20102	Production	Industrial	TXS	2	1.65-3.6/1.65-5.5	CMOS	Push-pull output/Open drain	1	-40 to +125	VSSOP8

Auto Detection

Part Number	Status	Rating	Technology Family	Number of Channels	Supply Range (V)	Input Type	Output Type	DC Drive Strength (mA)	Operating Temperature Range (°C)	Package
TPT20202	Production	Industrial	TXB	2	1.65-3.6/1.2-5.5	CMOS	Push-pull output	1	-40 to +125	VSSOP8