

TEXAS INSTRUMENTS Power Management ICs



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NON-ISOLATED POL (CONT.)

MOUSER STOCK NO.	Texas Instruments Part No.	Package	V _{in} (V)		V _{out} (V)		I _{out} (A) (Max.)	Topology	3.3V Bus	5V Bus	12V Bus	24V Bus	Price Each					
			Min.	Max.	Min.	Max.							1	25	100	250		
95% Efficient (Cont.)																		
595-PTH08T250WAZ	PTH08T250WAZ	DIP Module-22	4.5	14	0.7	3.6	50	Buck	No	Yes	Yes	No	65.86	61.74	55.57	54.74		
595-PTH08T260WAD	PTH08T260WAD	DIP Module-10	4.5	14	0.69	5.5	3	Buck	No	Yes	Yes	No	10.72	10.40	9.10	8.94		
595-PTH08T210WAZ	PTH08T210WAZ	DIP Module-14	5.5	14	0.7	3.6	30	Buck	No	No	Yes	No	33.44	31.90	28.30	27.78		
595-PTN78000WAH	PTN78000WAH	DIP Module-5	7	36	2.5	12.6	1.5	Buck	No	No	Yes	Yes	14.16	13.73	12.01	11.79		
595-PTN78000WAZ	PTN78000WAZ	DIP Module-5	7	36	2.5	12.6	1.5	Buck	No	No	Yes	Yes	14.16	13.73	12.01	11.79		
595-PTN78000HAH	PTN78000HAH	DIP Module-5	15	36	11.85	22	1.5	Buck	No	No	No	Yes	14.16	13.73	12.01	11.79		
94% Efficient																		
595-PTH04070WAH	PTH04070WAH	DIP Module-5	3	5.5	0.9	3.6	3	Buck	Yes	Yes	No	No	7.79	7.34	6.89	6.67		
595-PTH04070WAZ	PTH04070WAZ	DIP Module-5	3	5.5	0.9	3.6	3	Buck	Yes	Yes	No	No	7.79	7.34	6.89	6.67		
595-PTH05000WAZ	PTH05000WAZ	DIP Module-5	4.5	5.5	0.9	3.6	6	Buck	No	Yes	No	No	11.83	11.47	10.04	9.86		
595-PTH08000WAH	PTH08000WAH	DIP Module-6	4.5	14	0.9	5.5	2.25	Buck	No	Yes	Yes	No	8.50	8.24	7.21	7.08		
595-PTH08080WAH	PTH08080WAH	DIP Module-5	4.5	18	0.9	5.5	2.25	Buck	No	Yes	Yes	No	7.79	7.34	6.89	6.67		
595-PTH08080WAZ	PTH08080WAZ	DIP Module-5	4.5	18	0.9	5.5	2.25	Buck	No	Yes	Yes	No	7.79	7.34	6.89	6.67		
595-PTH12040WAH	PTH12040WAH	DIP Module-20	8	14	0.8	5.5	50	Buck	No	No	Yes	No	64.03	60.02	54.02	53.22		
595-PTH12010WAH	PTH12010WAH	DIP Module-10	10.8	13.2	1.2	5.5	12	Buck	No	No	Yes	No	21.55	20.56	18.24	17.91		
595-PTH12050WAH	PTH12050WAH	DIP Module-6	10.8	13.2	1.2	5.5	6	Buck	No	No	Yes	No	13.24	12.84	11.23	11.03		
595-PTH12050WAZ	PTH12050WAZ	DIP Module-6	10.8	13.2	1.2	5.5	6	Buck	No	No	Yes	No	13.24	12.84	11.23	11.03		
93% Efficient																		
595-PTH03050WAH	PTH03050WAH	DIP Module-6	2.95	3.65	0.8	2.5	6	Buck	Yes	No	No	No	13.02	12.62	11.04	10.85		
595-PTH03060WAH	PTH03060WAH	DIP Module-10	2.95	3.65	0.8	2.5	10	Buck	Yes	No	No	No	18.21	17.37	15.41	15.13		
92% Efficient																		
595-PTH12000WAH	PTH12000WAH	DIP Module-5	10.8	13.2	1.2	5.5	6	Buck	No	No	Yes	No	11.83	11.47	10.04	9.86		
90% Efficient																		
595-PTN04050CAD	PTN04050CAD	DIP Module-4	2.95	5.5	5	15	2.4	Boost	Yes	Yes	No	No	16.72	15.95	14.15	13.89		
595-PTN04050CAH	PTN04050CAH	DIP Module-4	2.95	5.5	5	15	2.4	Boost	Yes	Yes	No	No	16.72	15.95	14.15	13.89		
595-PTN04050CAZ	PTN04050CAZ	DIP Module-4	2.95	5.5	5	15	2.4	Boost	Yes	Yes	No	No	16.72	15.95	14.15	13.89		
84% Efficient																		
595-PTN78000AAH	PTN78000AAH	DIP Module-5	7	29	-15	-3	1.5	Boost, Buck	No	No	Yes	Yes	14.16	13.73	12.01	11.79		
595-PTN78000AAZ	PTN78000AAZ	DIP Module-5	7	29	-15	-3	1.5	Boost, Buck	No	No	Yes	Yes	14.16	13.73	12.01	11.79		

PMW POWER DRIVERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	No. of Outputs	V _{in} (V)		Peak Current (Max.) (mA)	I _q (Max.) (mA)	Operating Temp. Range (°C)	Price Each			
				Min.	Max.				1	25	100	250
595-DRV201AYMBR	DRV201AYMBR	PICOSTAR-6	1	4.8	2.5	102.3	-	-40 to 85	2.52	2.09	1.82	1.71
595-DRV110PWR	DRV110PWR	TSSOP-8	1	15	6	300	3	-40 to 105	1.99	1.65	1.43	1.35
595-DRV110APWR	DRV110APWR	TSSOP-14	1	18	6	300	3	-40 to 105	2.12	1.76	1.53	1.44

DIGITAL AUDIO PWM

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Audio Output Ch. (PWM)	Dynamic Range (dB)	Digital Supply (V)	Data Resolution	Volume Control	Loudness Comp.	Mute	EQ	Bass/Treble Tone Control	Price Each			
												1	25	100	250
595-TAS5548DCA	TAS5548DCA	TSSOP-56	8	105	3 - 3.6	16, 20, 24	Yes	Yes	Yes	Yes	Yes	8.24	6.89	6.16	5.89
595-TAS558DCA	TAS558DCA	HTSSOP-56	8	105	3 - 3.6	16, 20, 24	Yes	Yes	Yes	Yes	Yes	8.99	7.52	6.72	6.42

HOT SWAP CONTROLLERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	No. of Outputs	V _{in} (V)		Current Limiting During Fault	Digital Interface	Current Monitoring	Operation	Price Each			
				Min.	Max.					1	25	100	250
926-LM5067MM-2/NOPB	LM5067MM-2/NOPB	MiniSOIC-10	1	-80	-9	Yes	None	None	Latch Off, Auto-Retry	3.17	2.65	2.33	2.21
595-TPS2400DBVT	TPS2400DBVT	SOT-23-5	1	2	100	No	None	None	Latch Off	2.38	1.98	1.72	1.62
595-TPS24740RGET	TPS24740RGET	VQFN-24	1	2.5	18	Yes	None	None	Latch	7.39	6.17	5.52	5.27
595-TPS24741RGET	TPS24741RGET	VQFN-24	1	2.5	18	Yes	None	None	Auto-Retry	7.39	6.17	5.52	5.27
595-TPS24742RGET	TPS24742RGET	VQFN-24	1	2.5	18	Yes	None	None	Fast Latch Off	7.39	6.17	5.52	5.27
595-TPS24750RUVT	TPS24750RUVT	VQFN-36	1	2.5	18	Yes	None	Analog	Latch Off	4.53	3.79	3.33	3.16
595-TPS24751RUVT	TPS24751RUVT	VQFN-36	1	2.5	18	Yes	None	Analog	Auto-Retry	4.53	3.79	3.33	3.16
595-LM250661APSQENPB	LM250661APSQENPB	WQFN-24	1	2.9	17	Yes	PMBus	None	Auto-Retry, Latch-Off	6.89	5.76	5.15	4.92
595-TPS2421-1DDA	TPS2421-1DDA	PowerPADSO-8	1	3	20	Yes	None	None	Latch Off	2.70	2.24	1.95	1.83
595-TPS2421-2DDA	TPS2421-2DDA	PowerPADSO-8	1	3	20	Yes	None	None	Retry	2.70	2.24	1.95	1.83
595-TPS2590RSAT	TPS2590RSAT	QFN-16	1	3	20	Yes	None	None	Latch Off	2.76	2.29	1.99	1.87
595-TPS25921AD	TPS25921AD	SOIC-8	1	4.5	18	Yes	None	None	Auto Retry, Thermal Limit	1.59	1.32	1.15	1.08
595-TPS25921LD	TPS25921LD	SOIC-8	1	4.5	18	Yes	None	None	Auto Retry, Thermal Limit	1.59	1.32	1.15	1.08
926-LM5060Q1MM/NOPB	LM5060Q1MM/NOPB	MiniSOIC-10	1	5.5	65	No	None	None	Latch Off	2.67	2.24	1.96	1.86
595-TPS2480PW	TPS2480PW	TSSOP-20	1	9	20	Yes	I2C	Digital	Latch Off	5.72	4.79	4.21	3.99
595-TPS2490DGS	TPS2490DGS	MSOP-10	1	9	80	Yes	None	None	Latch Off	3.43	2.87	2.52	2.39
595-TPS2491DGS	TPS2491DGS	MSOP-10	1	9	80	Yes	None	None	Auto-Retry	3.43	2.87	2.52	2.39
595-TPS2492PW	TPS2492PW	TSSOP-14	1	9	80	Yes	None	Analog	Latch Off	3.83	3.21	2.82	2.68
595-TPS2493PW	TPS2493PW	TSSOP-14	1	9	80	Yes	None	Analog	Latch Off	3.83	3.21	2.82	2.68
926-LM5069MM-1/NOPB	LM5069MM-1/NOPB	MiniSOIC-10	1	9	80	Yes	None	None	Latch Off, Auto-Retry	3.09	2.59	2.28	2.16
926-LM5069MM-2/NOPB	LM5069MM-2/NOPB	MiniSOIC-10	1	9	80	Yes	None	None	Latch Off, Auto-Retry	3.50	2.93	2.58	2.44
926-LM5066PMH/NOPB	LM5066PMH/NOPB	TSSOP-28	1	10	80	Yes	I2C	Analog	Latch Off, Auto-Retry	10.15	8.49	7.59	7.25
595-LM5066IPMHE/NOPB	LM5066IPMHE/NOPB	HTSSOP-28	1	10	80	Yes	PMBus	Yes	Auto Retry, Latch Off	10.96	9.17	8.20	7.83
595-TPS2458RHBT	TPS2458RHBT	QFN-32	2	8.5	15	Yes	None	None	Latch Off	5.48	4.59	4.03	3.83
595-TPS2420RSAT	TPS2420RSAT	QFN-16	3	3	20	No	None	Analog	Auto-Retry	3.02	2.53	2.22	2.11
595-TPS23861PW	TPS23861PW	TSSOP-28	4	3	3.6	Yes	I2C	Yes	-	7.68	6.42	5.74	5.48

DIGITAL POWER ISOLATED CONTROLLERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	No. of Outputs	A/D Channels	Frequency (Max.) (kHz)	Analog Comparators	DPWM Resolution (ps)	GPIOs	Communications	Processor	Price Each			
											1	25	100	250
595-UCD3138A64PFC	UCD3138A64PFC	TQFP-80	8	14	2000	7	250	43	1xSPI, 2xI2C, 2xPMBUS, 2xUART	32-bit ARM7	12.47	10.87	9.68	8.91
595-UCD3138RHAT	UCD3138RHAT	VQFN-64	8	14	2000	7	250	30	1xPMBUS, 2xUART	32-bit ARM7	6.74	5.64	5.04	4.82
595-UCD3138RMHT	UCD3138RMHT	VQFN-64	8	14	2000	7	250	30	1xPMBUS, 2xUART	32-bit ARM7	6.66	5.57	4.98	4.75
595-UCD3138128PFC	UCD3138128PFC	TQFP-80	8	15	2000	7	250	43	1xSPI, 2xI2C, 2xPMBUS, 2xUART	32-bit ARM7	13.37	11.66	10.38	9.55

N1 + ORING CONTROLLERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	No. of Outputs	V _{in} (V)		Gate Control	Fault and Status	Under/Over Voltage Reporting	Input Filter	Price Each			
				Min.	Max.					1	25	100	250
595-SM74611KTTR	SM74611KTTR	TO-263	1	0.1	30	-	No	No	No	3.57	2.99	2.63	2.49
595-TPS2410PW	TPS2410PW	TSSOP-14	1	0.8	16.5	Linear	Yes	Yes	Yes	4.29	3.59	3.15	2.99
595-TPS2411PW	TPS2411PW	TSSOP-14	1	0.8	16.5	On/Off	Yes	Yes	Yes	4.29	3.59	3.15	2.99
595-TPS2413D	TPS2413D	SOIC-8	1	0.8	16.5	On/Off	No	No	No	3.45	2.89	2.54	2.41
595-TPS2419D	TPS2419D	SOIC-8	1	0.8	16.5	On/Off	No	No	No	3.45	2.89	2.54	2.41