

TEXAS INSTRUMENTS Power Management ICs



Power Management
Texas Instruments

Products may be RoHS compliant. Check mouser.com for RoHS status.

NON-ISOLATED POL

PRODUCT NEW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	V _{in} (Min.)	V _{in} (Max.)	V _{out} (Min.)	V _{out} (Max.)	I _{out} (Max.)	Topology	3.3V Bus	5V Bus	12V Bus	24V Bus	Price Each			
													1	25	100	
95% Efficient (Cont.)																
595-PTH08T210WAD	PTH08T210WAD	DIP Module-14	5.5	14	0.7	3.6	30	Buck	No	No	Yes	No	36.00	30.60	28.34	
595-PTH08T210WAZ	PTH08T210WAZ	DIP Module-14	5.5	14	0.7	3.6	30	Buck	No	No	Yes	No	36.00	30.60	28.34	
595-PTN78000WAH	PTN78000WAH	DIP Module-5	7	36	2.5	12.6	1.5	Buck	No	No	Yes	Yes	15.54	14.72	12.88	
595-PTN78000WAZ	PTN78000WAZ	DIP Module-5	7	36	2.5	12.6	1.5	Buck	No	No	Yes	Yes	15.54	14.72	12.88	
595-PTN78000WAZT	PTN78000WAZT	DIP Module-5	7	36	2.5	12.6	1.5	Buck	No	No	Yes	Yes	13.52	12.80	11.20	
595-PTH12020LAH	PTH12020LAH	DIP Module-10	10.8	13.2	0.8	1.8	18	Buck	No	No	Yes	No	28.96	25.20	19.47	
595-PTN78000HAH	PTN78000HAH	DIP Module-5	15	36	11.85	22	1.5	Buck	No	No	No	Yes	20.00	17.00	15.75	
94% Efficient																
595-PTH04070WAH	PTH04070WAH	DIP Module-5	3	5.5	0.9	3.6	3	Buck	Yes	Yes	No	No	10.75	8.81	7.95	
595-PTH04070WAZ	PTH04070WAZ	DIP Module-5	3	5.5	0.9	3.6	3	Buck	Yes	Yes	No	No	10.75	8.81	7.95	
595-PTH05000WAH	PTH05000WAH	DIP Module-5	4.5	5.5	0.9	3.6	6	Buck	No	Yes	No	No	15.18	12.76	11.73	
595-PTH05000WAZ	PTH05000WAZ	DIP Module-5	4.5	5.5	0.9	3.6	6	Buck	No	Yes	No	No	15.18	12.76	11.73	
595-PTH08000WAH	PTH08000WAH	DIP Module-6	4.5	14	0.9	5.5	2.25	Buck	No	Yes	Yes	No	11.11	9.11	8.22	
595-PTH08000WAZ	PTH08000WAZ	DIP Module-6	4.5	14	0.9	5.5	2.25	Buck	No	Yes	Yes	No	10.75	8.81	7.95	
595-PTH08080WAH	PTH08080WAH	DIP Module-5	4.5	18	0.9	5.5	2.25	Buck	No	Yes	Yes	No	10.75	8.81	7.95	
595-PTH12040WAH	PTH12040WAH	DIP Module-20	8	14	0.8	5.5	50	Buck	No	No	Yes	No	58.81	51.89	49.29	
595-PTH12010WAH	PTH12010WAH	DIP Module-10	10.8	13.2	1.2	5.5	12	Buck	No	No	Yes	No	21.43	19.48	18.08	
595-PTH12020WAZ	PTH12020WAZ	DIP Module-10	10.8	13.2	1.2	5.5	18	Buck	No	No	Yes	No	28.96	25.20	19.47	
595-PTH12050WAH	PTH12050WAH	DIP Module-6	10.8	13.2	1.2	5.5	6	Buck	No	No	Yes	No	14.99	12.61	11.59	
595-PTH12050WAZ	PTH12050WAZ	DIP Module-6	10.8	13.2	1.2	5.5	6	Buck	No	No	Yes	No	14.99	12.61	11.59	
93% Efficient																
595-PTH03050WAH	PTH03050WAH	DIP Module-6	2.95	3.65	0.8	2.5	10	Buck	Yes	No	No	No	14.99	12.61	11.59	
595-PTH03060WAH	PTH03060WAH	DIP Module-10	2.95	3.65	0.8	2.5	10	Buck	Yes	No	No	No	21.55	18.12	16.65	
595-PTH12050LAH	PTH12050LAH	DIP Module-6	10.8	13.2	0.8	1.8	6	Buck	No	No	Yes	No	14.99	12.61	11.59	
595-PTV12010LAH	PTV12010LAH	SIP Module-8	10.8	13.2	0.8	1.8	8	Buck	No	No	Yes	No	18.80	15.81	14.53	
595-PTV12020WAH	PTV12020WAH	SIP Module-12	10.8	13.2	1.2	5.5	16	Buck	No	No	Yes	No	21.43	19.48	18.08	
92% Efficient																
595-PTH12000WAH	PTH12000WAH	DIP Module-5	10.8	13.2	1.2	5.5	6	Buck	No	No	Yes	No	15.18	12.76	11.73	
90% Efficient																
595-PTN04050CAD	PTN04050CAD	DIP Module-4	2.95	5.5	5	15	2.4	Boost	Yes	Yes	No	No	20.00	17.00	15.75	
595-PTN04050CAH	PTN04050CAH	DIP Module-4	2.95	5.5	5	15	2.4	Boost	Yes	Yes	No	No	20.00	17.00	15.75	
595-PTN04050CAZ	PTN04050CAZ	DIP Module-4	2.95	5.5	5	15	2.4	Boost	Yes	Yes	No	No	20.00	17.00	15.75	
595-PT78HT233H	PT78HT233H	SIP Module-3	9	15	3.3	3.3	2	Buck	No	No	Yes	No	21.35	18.36	17.01	
595-PT78HT205H	PT78HT205H	SIP Module-3	9	28	5	5	2	Buck	No	No	Yes	Yes	21.60	18.36	17.01	
595-PT78HT205S	PT78HT205S	SIP Module-3	9	28	5	5	2	Buck	No	No	Yes	Yes	21.35	18.36	17.01	
595-PT78HT205V	PT78HT205V	SIP Module-3	9	28	5	5	2	Buck	No	No	Yes	Yes	21.35	18.36	17.01	
85% Efficient																
595-PT78ST133H	PT78ST133H	SIP Module-3	9	26	3.3	3.3	1.5	Buck	No	No	Yes	No	16.81	15.91	13.92	
595-PT78ST105H	PT78ST105H	SIP Module-3	9	38	5	5	1.5	Buck	No	No	Yes	Yes	16.81	15.91	13.92	
595-PT78ST105S	PT78ST105S	SIP Module-3	9	38	5	5	1.5	Buck	No	No	Yes	Yes	16.81	15.91	13.92	
595-PT78ST105V	PT78ST105V	SIP Module-3	9	38	5	5	1.5	Buck	No	No	Yes	Yes	16.81	15.91	13.92	
595-PT78ST108S	PT78ST108S	SIP Module-3	12	38	8	1.5	Buck	No	No	No	Yes	14.62	13.84	12.11		
595-PT78ST112H	PT78ST112H	SIP Module-3	16	38	12	1.5	Buck	No	No	No	Yes	21.35	18.36	17.01		
595-PT78ST112V	PT78ST112V	SIP Module-3	16	38	12	1.5	Buck	No	No	No	Yes	21.35	18.36	17.01		
595-PT78ST115H	PT78ST115H	SIP Module-3	19	38	15	1.5	Buck	No	No	No	Yes	21.35	18.36	17.01		
595-PT78ST115S	PT78ST115S	SIP Module-3	19	38	15	1.5	Buck	No	No	No	Yes	21.35	18.36	17.01		
84% Efficient																
595-PTN78000AAH	PTN78000AAH	DIP Module-5	7	29	-15	-3	1.5	Boost, Buck	No	No	Yes	Yes	15.54	14.72	12.88	
595-PTN78000AAZ	PTN78000AAZ	DIP Module-5	7	29	-15	-3	1.5	Boost, Buck	No	No	Yes	Yes	13.52	12.80	11.20	

PMW POWER DRIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	V _{in} (Min./Max.) (V)	Output Current (Min) (A)	I _q (Max) (mA)	Operating Temperature Range (°C)	Price Each			
							1	25	100	250
595-DRV110APWR	DRV110APWR	TSSOP-8	6/15	15	3	-40 to +105	3.08	2.48	2.25	2.04
595-DRV110PWR	DRV110PWR	TSSOP-14	6/15	15	3	-40 to +105	2.80	2.25	2.05	1.85

DIGITAL AUDIO PWM

For quantities greater than listed, call for quote.

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-TAS5508CPAG	TAS5508CPAG	TQFP-64	8	110	3 - 3.6	16, 20, 24	Yes	Yes	Yes	Yes	Yes	11.67	11.04	9.94	8.84

HOT SWAP CONTROLLERS

For quantities greater than listed, call for quote.

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
595-TPS2400DBVT	TPS2400DBVT	SOT-23-5	1	2	100	No	None	None	Latch Off	2.73	2.11	1.90	1.58
595-TPS2330IPW	TPS2330IPW	TSSOP-14	1	3	13	Yes	None	None	Latch Off	3.57	3.26	2.61	2.27
595-TPS2421-1DDA	TPS2421-1DDA	PowerPADSO-8	1	3	20	Yes	None	None	Latch Off	4.87	3.90	3.12	2.59
595-TPS2421-2DDA	TPS2421-2DDA	PowerPADSO-8	1	3	20	Yes	None	None	Retry	4.87	3.90	3.58	2.59
595-TPS2590RSAT	TPS2590RSAT	QFN-16	1	3	20	Yes	None	None	Latch Off	3.70	3.02	2.56	2.31
595-TPS2540RTET	TPS2540RTET	WQFN-16	1	4.5	5.5	Yes	None	None	-----	3.11	2.54	2.28	1.92
595-TPS2541RTET	TPS2541RTET	WQFN-16	1	4.5	5.5	Yes	None	None	-----	3.11	2.54	2.28	1.92
595-TPS2480PW	TPS2480PW	TSSOP-20	1	9	20	Yes	I2C	Digital	Latch Off	7.92	6.48	5.00	4.68
595-TPS2490DGS	TPS2490DGS	MSOP-10	1	9	80	Yes	None	None	Latch Off	4.18	3.82	3.06	2.66
595-TPS2491DGS	TPS2491DGS	MSOP-10	1	9	80	Yes	None	None	Auto-Retry	4.18	3.82	3.06	2.66
595-TPS2492PW	TPS2492PW	TSSOP-14	1	9	80	Yes	None	Analog	Latch Off	4.18	3.82	3.06	2.66
595-TPS2493PW	TPS2493PW	TSSOP-14	1	9	80	Yes	None	Analog	Latch Off	4.18	3.82	3.06	2.66
595-TPS2458RHBT	TPS2458RHBT	QFN-32	2	8.5	15	Yes	None	None	Latch Off	5.75	4.71	4.26	3.91
595-TPS2420RSAT	TPS2420RSAT	QFN-16	3	3	20	No	None	Analog	Auto-Retry	5.42	4.95	4.51	4.07

LOADSHARE CONTROLLER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Operating Supply Current (mA)	Share Bus	Start-up Current (µA)	Operating Supply (Min) (V)	Operating Supply (Max) (V)	Price Each					
								1	25	100	250		
Through-Hole													
595-UCC29002P	UCC29002P	PDIP-8	2.5	Single-Ended	2500	4.375	14.25	2.70	2.46	2.22	2.04		

N1 + ORING CONTROLLERS

For quantities greater than listed, call for quote.

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-TPS2410PW	TPS2410PW	TSSOP-14	1	0.8	16.5	Linear	Yes	Yes	Yes	5.05	4.61	3.69	3.21
595-TPS2411PW	TPS2411PW	TSSOP-14	1	0.8	16.5	On/Off	Yes	Yes	Yes	5.05	4.61	3.69	3.21
595-TPS2413D	TPS2413D	SOIC-8	1	0.8	16.5	On/Off	No	No	No	3.52	3.22	2.57	2.25
595-TPS2419D	TPS2												