

EXAR Power Management



This product is RoHS compliant.



EXAR DIGITAL POWER CONTROLLERS

Exar's new digital power step-down controllers, the XRP7704 and XRP7740, more intelligently manage today's power systems. These highly configurable and feature-rich products manage up to four independent digital-control loops while integrating an on-board standby power LDO. A master-slave configuration allows for up to eight individual converters to be controlled.



For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	Iout (mA)	Vin Min	Vin Max	IQ (µA)	Vout Min	Vout Max	Freq (kHz)	Efficiency %	Price Each		
												1	25	100
701-XRP7704ILB-F	XRP7704ILB-F	TQFN-40	4	5	6	6.5V	20V	0.9V	5.1V	300-1.5M	90+	11.25	9.90	8.55
701-XRP7740ILB-F	XRP7740ILB-F	TQFN-40	2/2	5/15	6	6.5V	20V	0.9V	5.1V	300-1.5M	90+	12.38	11.00	9.90
701-XRP7708ILB-F	XRP7708ILB-F	TQFN-40	2/2	5/8	6	6.5V	20V	0.9V	5.1V	300-1.5M	90+	12.50	11.00	9.50



EXAR BUCK REGULATORS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	Iout (mA)	Vin Min	Vin Max	IQ (µA)	Vout Min	Vout Max	Freq (kHz)	Efficiency %	Price Each		
												1	25	100
701-XRP7657EDTR-F	XRP7657EDTR-F	SOIC-8	-40°C to 85°C	2000	4.75V	25V	1300	0.8V	21V	420	94	1.54	1.17	.99
701-XRP6657IHB-F	XRP6657IHB-F	DFN-6	-40°C to 85°C	1500	2.5V	5.5V	240	0.6V	5V	1300	95	2.07	1.56	1.33
701-SP34063AEN-L	SP34063AEN-L	SOICN-8	-45°C to 85°C	-	3V	36V	4000	-	-	110	80	.56	.424	.36
701-SP6652ER-L	SP6652ER-L	MSOP-10	-45°C to 85°C	1000	2.8V	5.5V	3000	0.9V	5V	1400	97	2.98	2.25	1.91
701-SP6669AEK-L	SP6669AEK-L	SOT23-6	-45°C to 85°C	600	2.5V	5.5V	300	0.6V	5V	1500	94	1.72	1.30	1.10

EXAR CHARGE PUMPS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	Iout (mA)	Vin Min	Vin Max	IQ (µA)	Vout Min	Vout Max	Freq (kHz)	Efficiency %	Price Each		
												1	25	100
701-SP6682EU-L	SP6682EU-L	MSOP-10	-45°C to 85°C	200	2.7V	5.5V	1200	0.3V	5.5V	600	75	2.21	1.67	1.42



EXAR LED DRIVERS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	Arch	App	Channel	Vin Min	Vin Max	Max Series LEDs	Vdrop (mV)	Max Current Per Channel	LED Match Typ.	Price Each		
												1	25	100
701-SP6699EK-L	SP6699EK-L	SOT-23	Boost	Backlight	1	2.5V	16V	6	n/a	40mA	n/a	2.07	1.56	1.33
701-XRP7620IH-F	XRP7620IH-F	DFN-8	Current Driver	LED	4	2.7V	5.5V	4	-	31mA	3%	2.07	1.56	1.33

EXAR LDO REGULATORS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	Iout (mA)	Vin Min	Vin Max	IQ (µA)	Acc	Vdrop (mV)	Vout (V)	Vout Adj.	Price Each		
												1	25	100
701-SPX431AM1-L/TR	SPX431AM1-L/TR	SOT89-3	0°C to 105°C	150	-	20V	1000	0.50%	-	-	No	.49	.371	.315
701-SPX5205M5-L	SPX5205M5-L	SOT23-5	-	150	2.5V	16V	70	1%	210	1.2V - 5.0V	Yes	.53	.398	.338
701-SPX5205M5-L-3-3	SPX5205M5-L-3-3	SOT23-5	-	150	2.5V	16V	70	1%	210	1.2V - 5.0V	Yes	.53	.398	.338
701-SP6201EM5-L	SP6201EM5-L	SOT23-5	-40°C to 125°C	200	2.5V	7V	28	2%	320	1.5V - 5.0V	Yes	.49	.371	.315
701-SPX3819M5-L	SPX3819M5-L	SOT23-5	-	500	2.5V	16V	90	1%	340	1.2V - 5.0V	Yes	.81	.61	.518
701-SPX1117M3-L	SPX1117M3-L	SOT223	-	800	2.6V	15V	5000	1%	100	1.5V - 5.0V	Yes	.42	.318	.27
701-SPX1117M3-L-3-3	SPX1117M3-L-3-3	SOT223	-	800	2.6V	15V	5000	1%	100	1.5V - 5.0V	Yes	.42	.318	.27
701-SPX2941T5-L	SPX2941T5-L	TO263	-	1000	3V	16V	12000	3%	280	-	Yes	1.75	1.33	1.13
701-SPX29152T5-L	SPX29152T5-L	TO263-5	-	1500	2.5V	16V	12000	1.50%	390	-	Yes	2.80	2.12	1.80
701-SPX29302T5-L	SPX29302T5-L	TO263-5	-	3000	2.8V	16V	37000	1%	450	-	Yes	2.80	2.12	1.80
701-SPX29502T5-L	SPX29502T5-L	TO263	-	5000	2.8V	16V	20000	1%	370	-	Yes	5.70	5.02	4.33

EXAR PWM CONTROLLERS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	Iout (mA)	Vin Min	Vin Max	Vout Min	Vout Max	Freq (kHz)	Efficiency %	Price Each		
											1	25	100
701-SP6125EK1-L	SP6125EK1-L	TSOT23-6	-40°C to 125°C	300	4.5V	29V	0.6V	24V	300	95	1.93	1.46	1.24
701-SP6126EK1-L	SP6126EK1-L	TSOT23-6	-40°C to 125°C	300	4.5V	29V	0.6V	24V	600	93	2.00	1.51	1.28
701-SP6127EK1-L	SP6127EK1-L	TSOT23-6	-40°C to 125°C	300	4.5V	29V	0.6V	24V	900	90	2.10	1.59	1.35



EXAR SUPERVISORS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	IQ (µA)	No. of Channels	Vcc Min (V)	Vcc Max (V)	Reset Threshold (V)	Reset Active	Reset Output Type	Price Each		
											1	25	100
701-SP690AEN-L	SP690AEN-L	NSOIC-8	-45°C to 85°C	1	60	-	5.5	4.65	Low	Other	2.10	1.59	1.35
701-SP705EN-L	SP705EN-L	SOICN-8	-45°C to 85°C	1	60	1.0	5.5	4.65	Low	Other	1.23	.928	.788
701-SP706SEN-L	SP706SEN-L	SOIC-8	-40°C to 85°C	1	60	1.0	5.5	4.40	Low	Other	1.23	.93	.79
701-SP706TEN-L	SP706TEN-L	SOIC-8	-40°C to 85°C	1	60	1.0	5.5	4.40	Low	Other	1.23	.93	.79
701-SP708SEN-L	SP708SEN-L	SOIC-8	-40°C to 85°C	1	60	1.0	5.5	4.40	Low/High	Other	1.23	.93	.79

EXAR USB

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	No. of Channels	IQ (µA)	Vin Min	Vin Max	Max Current Per Channel	Enable	Price Each		
										1	25	100
701-SP2525A-1EN-L	SP2525A-1EN-L	SOICN-8	-45°C to 85°C	1	75	3V	5.5V	500	Yes	1.40	1.06	.90
701-SP2525A-2EN-L	SP2525A-2EN-L	SOICN-8	-45°C to 85°C	1	75	3V	5.5V	500	Yes	1.40	1.06	.90
701-SP2526A-1EN-L	SP2526A-1EN-L	SOICN-8	-45°C to 85°C	2	80	3V	6V	500	Yes	1.58	1.19	1.01
701-SP2526A-2EN-L	SP2526A-2EN-L	SOICN-8	-45°C to 85°C	2	80	3V	6V	500	Yes	1.58	1.19	1.01