

# EXAR Power Management



RoHS Compliant This product is RoHS compliant.

A New Direction in Mixed-Signal

## DIGITAL POWER CONTROLLERS

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	Channels	Type	Current/Channel	Input Voltage (V)		Price Each			
							Min.	Max.	1	25	100	
									1	25	100	
701-XRP77131LB-F	XRP77131LB-F	QFN32	-40°C to 85°C	3	Step Down	3ch/5A	4.75	25	7.25	6.42	5.79	
701-XRP77141LB-F	XRP77141LB-F	QFN40	-40°C to 85°C	4	Step Down	4ch/5A	4.75	25	8.50	7.48	6.46	
701-XRP77401LB-F	XRP77401LB-F	QFN40	-40°C to 85°C	4	Buck	2ch/5A : 2ch/15A	6.5	20	12.38	10.98	9.90	
Evaluation Boards						Description						
701-XRP7714EVB	XRP7714EVB	XRP7714 Evaluation Board						230.00	-	-	-	-

## STEP-DOWN CONTROLLER

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	Vin (V)		Packing Quantity	IQ (µA)	Vout (V)		Efficiency (%)	Price Each		
				Min.	Max.			Min.	Max.		1	25	100
								Min.	Max.		1	25	100
701-XRP6124ES0.5-F	XRP6124ES0.5-F	SOT-23-5	-40°C to 125°C	3	18	Bulk	500	0.8	16	92	1.05	.88	.70
701-XRP6124ESTR0.5-F	XRP6124ESTR0.5-F	SOT-23-5	-40°C to 125°C	3	18	Tape & Reel	500	0.8	16	92	1.05	.88	.70
701-XRP6124HVES0.5-F	XRP6124HVES0.5-F	SOT-23-5	-40°C to 125°C	4.5	30	Bulk	500	0.8	16	92	1.35	1.13	.90
701-XRP6124HVESTR0.5-F	XRP6124HVESTR0.5-F	SOT-23-5	-40°C to 125°C	4.5	30	Tape & Reel	500	0.8	16	92	1.35	1.13	.90
701-XRP77141LB-0X10-F	XRP77141LB-0X10-F	TQFN-40	-40°C to 85°C	4.75	25	Bulk	9000	0.9	5.1	86	9.10	7.50	6.70
701-XRP77141LB-0X14-F	XRP77141LB-0X14-F	TQFN-40	-40°C to 125°C	4.75	25	Bulk	9000	0.9	5.1	86	9.10	7.50	6.70
701-XRP77141LB-0X18-F	XRP77141LB-0X18-F	TQFN-40	-40°C to 125°C	4.75	25	Bulk	9000	0.9	5.1	86	9.10	7.50	6.70
701-XRP77141LB-0X1C-F	XRP77141LB-0X1C-F	TQFN-40	-40°C to 125°C	4.75	25	Bulk	9000	0.9	5.1	86	9.10	7.50	6.70

## REGULATORS

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	Iout (mA)	Vin (V)		IQ (µA)	Vout (V)		Freq. (kHz)	Efficiency (%)	Price Each		
					Min.	Max.		Min.	Max.			1	25	100
								Min.	Max.			1	25	100
Buck														
701-SP7650ER-L	SP7650ER-L	DFN-26	-40°C to 85°C	3000	2.5	28	1500	0.8	27	300	95	3.46	2.62	2.22
701-XRP2997IDBTR-F	XRP2997IDBTR-F	SOIC-8	-40°C to 85°C	2000	1.1	5.5	2	Adj.	-	-	-	1.18	.89	.77
701-XRP6668IDBTR-F	XRP6668IDBTR-F	SOIC-8	-45°C to 85°C	1000	2.5	5.5	30	0.6	5	1500	97	2.53	1.95	1.77
701-XRP6658ISTR-F	XRP6658ISTR-F	SOIC-8	-45°C to 85°C	1000	2.5	5.5	15	0.6	5	1500	97	1.60	1.26	1.10
701-XRP7664IDTR-F	XRP7664IDTR-F	SOIC-8	-40°C to 85°C	2000	4.75	18	1000	0.925	16	340	93	1.16	.875	.743
701-XRP7665IDBTR-F	XRP7665IDBTR-F	SOIC-8	-	3000	4.75	18	1000	0.925	16	340	93	1.19	.903	.765
701-XRP7657EDTR-F	XRP7657EDTR-F	SOIC-8	-40°C to 85°C	2000	4.75	25	1300	0.8	21	420	94	1.40	1.10	.99
701-SP7652ER-L	SP7652ER-L	DFN26	-40°C to 85°C	6000	2.5	28	1500	0.8	27	600	92	3.90	3.13	2.85
701-XRP7659ISTR-F	XRP7659ISTR-F	SOT-23-6	-40°C to 85°C	1500	4.5	18	800	0.81	15	1400	92	1.47	1.37	1.18
701-SP7662ER-L	SP7662ER-L	DFN-26	-40°C to 125°C	12000	3	22	1500	0.8	20.24	300	93	5.56	4.21	3.58
Boost														
701-SP6644EU-L	SP6644EU-L	MSOP-8	-40°C to 85°C	190	.88	3.3	0.0016	2V	5.5	-	92	2.18	1.72	1.46
Buck/Boost/Inverting														
701-SP34063AEN-L/TR	SP34063AEN-L/TR	SOIC-8	-40°C to 85°C	1500	3	36	4	-	28	110	80	.56	.424	.36

## CONVERTER DESIGN KIT

MOUSER STOCK NO.	Exar Part No.	Description	Price Each
695-XRPWRKIT-LWP-1	XRPWRKIT-LWP-1	POL Design Kit - 600-1500mA Converters, 4 EV boards, 4 different ICs, more than 150 inductors	96.00

## LDO REGULATORS

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	Iout (mA)	Vin (V)		IQ (µA)	Acc	Vdrop (mV)	Vout (V)	Vout Adj.	Price Each		
					Min.	Max.						1	25	100
												1	25	100
701-SP6213EC5-L-3-3	SP6213EC5-L-3-3	SC-70-5	-40°C to 125°C	100	2.5	7	65	2.50%	250	1.2 - 3.3	No	.53	.40	.34
701-SPX431AM1-L/TR	SPX431AM1-L/TR	SOT89-3	0°C to 105°C	150	-	20	1000	0.50%	-	-	No	.49	.371	.315
701-SPX5205M5-L	SPX5205M5-L	SOT23-5	-	150	2.5	16	70	1%	210	1.2 - 5.0	Yes	.53	.40	.34
701-SPX5205M5-L-3-3	SPX5205M5-L-3-3	SOT23-5	-	150	2.5	16	70	1%	210	1.2 - 5.0	Yes	.53	.40	.34
701-SP6201EM5-L	SP6201EM5-L	SOT23-5	-40°C to 125°C	200	2.5	7	28	2%	320	1.5 - 5.0	Yes	.49	.371	.315
701-SPX3819M5-L	SPX3819M5-L	SOT23-5	-	500	2.5	16	90	1%	340	1.2 - 5.0	Yes	.81	.61	.52
701-SPX1117M3-L	SPX1117M3-L	SOT223	-	800	2.6	15	5000	1%	100	1.5 - 5.0	Yes	.42	.318	.27
701-SPX1117M3-L-2-5	SPX1117M3-L-2-5	SOT223	-	800	2.6	15	5000	1%	100	1.5 - 5.0	Yes	.42	.318	.27
701-SPX1117M3-L-3-3	SPX1117M3-L-3-3	SOT223	-	800	2.6	15	5000	1%	100	1.5 - 5.0	Yes	.42	.318	.27
701-SPX2941T5-L	SPX2941T5-L	TO263	-	1000	3	16	12000	3%	280	-	Yes	1.67	1.33	1.13
701-SPX2940U-L-5-0	SPX2940U-L-5-0	TO-220-3	-40°C to 125°C	1000	3.2	16	12000	3%	280	5	No	1.75	1.33	1.13
701-SPX29152T5-L	SPX29152T5-L	TO263-5	-	1500	2.5	16	12000	1.50%	390	-	Yes	2.68	2.12	1.80
701-SPX29302T5-L	SPX29302T5-L	TO263-5	-	3000	2.8	16	37000	1%	450	-	Yes	2.31	1.86	1.67
701-XRP6272ITC5TR-F	XRP6272ITC5TR-F	TO-252	-40°C to 80°C	2000	1.8	6	30	2%	550	5	Yes	1.31	1.19	.88
701-XRP6272IDBTR-F	XRP6272IDBTR-F	HSOIC-8	-40°C to 80°C	2000	1.8	6	30	2%	550	5	Yes	1.31	1.19	.88
701-SPX29501T5-L-5-0	SPX29501T5-L-5-0	TO-263-5	-40°C to 125°C	5000	2.8	16	20000	1%	370	3.3 - 5	No	3.97	3.50	3.01
701-SPX1585AT-L	SPX1585AT-L	TO263	-40°C to 125°C	5000	3.3	10	5	1%	1200	1.2 - 3.3	Yes	2.18	1.72	1.46

## SUPERVISORS

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	IQ (µA)	No. of Channels	Vcc (V)		Reset Threshold (V)	Reset Active	Reset Output Type	Price Each		
						Min.	Max.				1	25	100
											1	25	100
701-SP706SEN-L	SP706SEN-L	SOIC-8	-40°C to 85°C	60	1	1.0	5.5	4.40	Low	Other	1.23	.928	.788
701-SP706TEN-L	SP706TEN-L	SOIC-8	-40°C to 85°C	60	1	1.0	5.5	4.40	Low	Other	1.23	.928	.788
701-SP708SEN-L	SP708SEN-L	SOIC-8	-40°C to 85°C	60	1	1.0	5.5	4.40	Low/High	Other	1.23	.928	.788
701-SP708TEN-L	SP708TEN-L	SOIC-8	-40°C to 85°C	60	1	1.0	5.5	4.40	Low/High	Other	1.23	.928	.788
701-SP707CN-L	SP707CN-L	SOIC-8	-40°C to 85°C	60	1	1.0	5.5	4.65	Low/High	Other	1.30	.981	.833
701-SP691ACN-L	SP691ACN-L	SOIC-16	-40°C to 85°C	60	1	1.0	5.5	4.65	Low/High	Other	2.18	1.72	1.46
701-SP691AET-L	SP691AET-L	SOIC-16	-40°C to 85°C	60	1	-	5.5	4.65	Low/High	Other	2.18	1.72	1.46
701-SP813LCP-L	SP813LCP-L	PDIP-8	0°C to 70°C	60	1	1	5.5	4.65	High	Other	1.75	1.33	1.13
701-SP691AEN-L	SP691AEN-L	NSOIC-8	-40°C to 85°C	60	1	-	5.5	4.65	Low/High	Other	2.18	1.72	1.46
701-SP813LEN-L	SP813LEN-L	SOIC-8	-40°C to 85°C	60	1	1.0	5.5	4.65	High	Other	1.67	1.35	1.13

## USB POWER SWITCHES

MOUSER STOCK NO.	Exar Part No.	Package Type	Temperature Range	IQ (µA)	No. of Channels	Vin (V)		Max Current Per Channel	Channel Enable	Price Each			
						Min.	Max.				1	25	100
											1	25	100
701-SP2525A-1EN-L	SP2525A-1EN-L	NSOIC-8	-45°C to 85°C	75	1	3	5.5	500	Yes	.95	.756	.661	
701-SP2525A-2EN-L	SP2525A-2EN-L	NSOIC-8	-45°C to 85°C	75	1	3	5.5	500	Yes	.95	.756	.661	
701-SP2526A-1EN-L	SP2526A-1EN-L	NSOIC-8	-45°C to 85°C	80	2	3	6	500	Yes	1.17	.937	.82	
701-SP2526A-2EN-L	SP2526A-2EN-L	NSOIC-8	-45°C to 85°C	80	2	3	6	500	Yes	1.17	.937	.82	
USB 3.0/2.0 Compliant													
701-XRP2523ISTR-F	XRP2523ISTR-F	SOT-23	-40°C to 85°C	40	1	3.2	6.5	1.5	Active High	1.58	1.19	1.01	
701-XRP2525ID-1-F	XRP2525ID-1-F	NSOIC-8	-40°C to 85°C	52	1	1.8	5.5	900	Active High	1.16	.86	.73	
701-XRP2525ID-2-F	XRP2525ID-2-F	NSOIC-8	-40°C to 85°C	52	1	1.8	5.5	900	Active Low	1.16	.86	.73	
701-XRP2526ID-1-F	XRP2526ID-1-F	NSOIC-8	-40°C to 85°C	80	2	1.8	5.5	900	Active High	1.37	1.01	.86	
701-XRP2526ID-2-F	XRP2526ID-2-F	NSOIC-8	-40°C to 85°C	80	2	1.8	5.5	900	Active Low	1.37	1.01	.86	
701-XRP2527IHB-F	XRP2527IHB-F	DFN-8	-40°C to 85°C	52	1	1.8	5.5	900	Yes	1.37	1.01	.86	
701-XRP2528IHB-F	XRP2528IHB-F	DFN-10	-40°C to 85°C	80	2	1.8	5.5	900	Yes	1.89	1.40	1.19	
Evaluation Boards													
Description													
701-XRP2525EVB	XRP2525EVB	XRP2525 Evaluation Board						58.00	-	-	-		
701-XRP2526EVB	XRP2526EVB	XRP2526 Evaluation Board						50.00	-	-	-		
701-XRP2527EVB	XRP2527EVB	XRP2527 Evaluation Board						58.00	-	-	-		
701-XRP2528EVB	XRP2528EVB	XRP2528 Evaluation Board						58.00	-				