

LINEAR REGULATORS Microchip P/N	Description	Qty on Hand*	Vin		Vout	Current Limit (Min)	Dropout Voltage (mV)	I _{gnd} (Typ)	Tol % (Typ)	Noise (µV) rms	PSRR (dB)	PWR Good	Ceramic Cout
			Min	Max									
MIC49500CYP	LDO Regulator w Overtemp	0	1.4	6.0	Adj	7.5A	290	55mA	±1		75		X
MIC69502CYP	LDO Regulator w Overtemp	0	1.65	5.5	Adj	10A	250	54mA	±1		52		X
LP2951-5.0	LDO Regulator w Overtemp	611	2.0	30	5V	160mA	380	100µA	±0.5	100	70	X	
MIC2954-07CYP	LDO Regulator w Overtemp	1,176	2.0	30	5V	250mA	375	140µA	±0.5			X	
MIC2950-03CYP	LDO Regulator w Overtemp	768	2.0	30	5V	300mA	300	120µA	±1	100	65	X	
MIC2951-5.0CYP	LDO Regulator w Overtemp	3,285	2.0	30	5V	300mA	300	100µA	±0.5	100	68	X	
MIC29151-12CYP	LDO Regulator w Overtemp	0	2.25	26	12V	2.1A	350	22mA	±1	260		X	
MIC29151-3.3CYP	LDO Regulator w Overtemp	0	2.25	26	3.3V	2.1A	350	22mA	±1	260		X	
MIC29151-5.0CYP	LDO Regulator w Overtemp	0	2.25	26	5V	2.1A	350	22mA	±1	260		X	
MIC29152CYP	LDO Regulator w Overtemp	1,444	2.25	26	Adj	4.5A	350	22mA	±1	260			
MIC29300-12CYP	LDO Regulator w Overtemp	220	2.25	26	12V	4.5A	370	37mA	±1	260			
MIC29300-5.0CYP	LDO Regulator w Overtemp	150	2.25	26	5V	4.5A	370	37mA	±1	260			
MIC29302CYP	LDO Regulator w Overtemp	0	2.25	26	Adj	4.5A	370	37mA	±1	260			
MIC29501-3.3CYP	LDO Regulator w Overtemp	354	2.25	26	3.3V	7.5A	370	70mA	±1	260		X	
MIC29501-5.0CYP	LDO Regulator w Overtemp	634	2.25	26	5V	7.5A	370	70mA	±1	260		X	
MIC29502CYP	LDO Regulator w Overtemp	757	2.25	26	Adj	7.5A	370	70mA	±1	260			
MIC5205-ADJCYP	LDO Regulator w Overtemp	0	2.5	16	Adj	320mA	165	80µA	±1		75		
MIC29751-3.3CYP	LDO Regulator w Overtemp	227	2.5	26	3.3V	9.5A	425	120mA	±1	260		X	
MIC29752CYP	LDO Regulator w Overtemp	18	2.5	26	Adj	9.5A	425	120mA	±1	260			
MIC5255-2.5CYP	LDO Regulator w Overtemp	4,801	2.7	6.0	2.5V	425mA	135	90µA	±1	30	60		X
MIC5156-ADJCYP	LDO Controller w/o Overtemp	850	3.0	36	Adj	up to 10A	Very Low	2.7mA	±1			X	
MIC5157CYP	LDO Controller w/o Overtemp	733	3.0	36	Adj	up to 10A	Very Low	4.5mA	±1			X	
MIC5158CYP	LDO Controller w/o Overtemp	0	3.0	36	Adj	up to 10A	Very Low	4.5mA	±1			X	
MIC29372CYP	LDO Regulator w Overtemp	9,555	4.3	26	Adj	1.1A	370	160µA	±1	260			
MIC2937A-5.0CYP	LDO Regulator w Overtemp	0	4.3	26	5V	1.1A	370	160µA	±1	260			



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BARE DIE SELECTOR GUIDE

ANALOG IC's
LDO's
REGULATORS
MOSFET DRIVERS
LOGIC IC's
ECL LOGIC (Synergy)

BUCK REGULATORS Microchip P/N	Description	Qty on Hand*	Vin		Vout	Current Limit	Switching Freq (KHz)	Sync	Internal Switch	Overtemp Shutdown	Tol % (Typ)
			Min	Max							
MIC38HC45CYP	Buck	604	9.0	20			Adj. to 500kHz	X			
LM2575BU	Buck	768	4	40	Adj	2.2A	52KHz		X	X	±1
MIC4574CYP	Buck	1,465	4	24	Adj	1.0A	200KHz		X	X	±3
MIC4575CYP	Buck	7	4	24	Adj	2.2A	200KHz		X	X	±3
MIC4684BM	Buck	0	4	30	Adj		200KHz		X	X	±2
MIC4690BM	Buck	0	4.0	34	Adj	2.5A	500KHz		X	X	±1

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MOSFET DRIVERS Microchip P/N	Description	Qty on Hand*	Vin		Type	Input Logic	Peak I _{out}	Low Side	High Side	MISC DEVICES Microchip P/N	Description	Qty on Hand*
			Min	Max								
MIC4126CYP	MOSFET Drvr	928	4.5	18	Dual	Inverting	1.5A	X		LMC7101CYP	General Purpose Op Amp	9,495
MIC4417CYP	MOSFET Drvr	2,438	4.5	18	Single	Inverting	1.2A	X		LM4040-2.5CYP	2.5V Shunt Regulator, 0.5%, 100ppm/°C	14,635
MIC4420CYP	MOSFET Drvr	2,163	4.5	18	Single	Non-Inv	6A	X		MIC5821CYP	Serial interface, 8-Ch Latched 50V, 500mA Darlington Driver	2,486
MIC4422CYP	MOSFET Drvr	185	4.5	18	Single	Non-Inv	9A	X		MM5450CYP	7 Segment Driver LED Display	283
MIC4423CYP	MOSFET Drvr	32	4.5	18	Dual	Inverting	3A	X				
MIC4424CYP	MOSFET Drvr	6,776	4.5	18	Dual	Non-Inv	3A	X				
MIC4426CYP	MOSFET Drvr	0	4.5	20	Dual	Inverting	1.5A	X				
MIC4427CYP	MOSFET Drvr	4,212	4.5	20	Dual	Non-Inv	1.5A	X				
MIC4428CYP	MOSFET Drvr	0	4.5	20	Dual	Complement	1.5A	X		SY100E131XC	Hi-Spd Logic	2,368
MIC4429CYP	MOSFET Drvr	1,130	4.5	20	Single	Inverting	6A	X		SY100E136JZ	Hi-Spd Logic	0
MIC4452CYP	MOSFET Drvr	0	4.5	18	Single	Non-Inv	12A	X		SY100E16VDW	Hi-Spd Logic	0
MIC4468CYP	MOSFET Drvr	312	4.5	18	Quad	Complement	1.2A	X		SY100EL16VDXC	Hi-Spd Logic	68
MIC4469CYP	MOSFET Drvr	1,443	4.5	18	Quad	Complement	1.2A	X		SY58052UXC	Hi-Spd Logic	5,882
MIC5021CYP	MOSFET Drvr, Current Sense	1,890	12	36	Single	Non-Inv			X			

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*Quantity On Hand is an inventory snapshot and subject to change, consult factory