

FAIRCHILD PFC ICs, Power Switch, SPMs & Comparators



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

PWM CONTROLLERS (CONT.)

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Number of Outputs	Control Mode	Switching Frequency (kHz)	Supply Voltage (Max.)(V)	Duty Ratio (%)	Startup Current (µA)	Operating Temperature	Price Each			
										1	25	100	250
◆ 512-FAN7601BMX	FAN7601BMX	SOIC-8	1	Current	300	20	98	1000	-40 to 150	.62	.48	.36	.27
◆ 512-KA3842ACS	KA3842ACS	DIP-8	1	Current	500	30	100	200	0 to 70	.79	.55	.475	.406
◆ 512-KA3842B	KA3842B	DIP-8	1	Current	500	30	100	450	0 to 70	.73	.552	.465	.334
◆ 512-FSAR001BNY	FSAR001BNY	DIP-8	1	Voltage	-----	600	-	10	-40 to 125	1.17	.98	.78	.59
◆ 512-FAN6791NY	FAN6791NY	DIP-16	2	Current	130	27	48	10	-40 to 105	1.18	.875	.70	.525
◆ 512-KA7500C	KA7500C	DIP-16	2	Voltage	300	42	-	1000	-25 to 85	.57	.51	.443	.384
◆ 512-FAN5026MTCX	FAN5026MTCX	TSSOP-28	2	DDR	300	24	87	5	-40 to 85	2.73	2.11	1.91	1.71

POWER FACTOR CORRECTION (PFC)



Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Startup Current (µA)	Operating Current (mA)	PFC Control	Drive Output (A)	F _{pwm} F _{Pfc}	PWM Duty Cycle Max. (%)	UVLO	Price Each				
										1	25	100	250	
PFC														
◆ 512-FAN6961DZ	FAN6961DZ	DIP-8	10	4.5	DCM	DCM	-	-	-	.73	.607	.50	.412	
◆ 512-FAN6961SZ	FAN6961SZ	SOIC-8	10	4.5	DCM	DCM	-	-	-	1.09	.84	.741	.642	
◆ 512-FAN6982MY	FAN6982MY	SOIC-14	30	2.3	Average Current	-	-	97	-	1.26	1.05	.84	.63	
◆ 512-FAN7527BN	FAN7527BN	DIP-8	60	3	Disc (Transition)	0.5	-	12.9	12.9/11	.83	.696	.612	.521	
◆ 512-FAN7930BMX	FAN7930BMX	SOIC-8	120	1.5	Disc (Transition)	0.5	-	12/8.5	12/8.5	.90	.75	.60	.45	
◆ 512-FAN7930CMX	FAN7930CMX	SOIC-8	120	1.5	Disc (Transition)	0.5	-	12.5/8.5	12.5/8.5	.87	.73	.58	.44	
◆ 512-FAN9611MX	FAN9611MX	SOIC-16	80	3.5	Interleaved BCM	2	-	10.0/7.5	10.0/7.5	2.13	1.70	1.28	1.19	
◆ 512-FAN9612MX	FAN9612MX	SOIC-16	80	3.5	Interleaved BCM	2	-	12.5/7.5	12.5/7.5	1.85	1.48	1.28	1.21	
◆ 512-FL6961MY	FL6961MY	SOIC-8	10	4.5	DCM	-	-	-	-	.80	.727	.666	.615	
PWM + PFC														
◆ 512-FAN4800AMY	FAN4800AMY	SOIC-16	30	2.6	Average Current	-	-	50	12.9/11	1.32	1.10	.88	.66	
◆ 512-FAN4800ANY	FAN4800ANY	DIP-16	30	2.6	Average Current	-	-	50	12.9/11	1.16	1.13	.96	.83	
◆ 512-FAN4800CMY	FAN4800CMY	SOIC-16	30	2.6	Average Current	-	1	50	12.9/11	1.74	1.37	1.22	1.07	
◆ 512-FAN4800CNY	FAN4800CNY	DIP-16	30	2.6	Average Current	-	1	50	12.9/11	1.32	1.10	.88	.66	
◆ 512-FAN4801MY	FAN4801MY	SOIC-16	30	2.6	Average Current	-	1	50	12.9/11	1.41	1.11	.99	.869	
◆ 512-FAN4801NY	FAN4801NY	DIP-16	30	2.6	Average Current	-	1	50	12.9/11	1.65	1.32	1.15	1.01	
◆ 512-FAN4801SMY	FAN4801SMY	SOIC-16	30	2.6	Average Current	-	1	50	12.9/11	1.14	.95	.76	.57	
◆ 512-FAN4801SNY	FAN4801SNY	DIP-16	30	2.6	Average Current	-	1	50	12.9/11	1.26	1.05	.84	.63	
◆ 512-FAN4802LMY	FAN4802LMY	SOIC-16	30	2.6	Average Current	-	1	50	12.9/11	1.62	1.27	1.15	1.00	
◆ 512-FAN4802LNY	FAN4802LNY	DIP-16	30	2.6	Average Current	-	1	50	12.9/11	1.65	1.32	1.15	1.01	
◆ 512-FAN4802MY	FAN4802MY	SOIC-16	30	2.6	Average Current	-	1	50	12.9/11	1.62	1.28	1.15	1.00	
◆ 512-FAN4802NY	FAN4802NY	DIP-16	30	2.6	Average Current	-	1	50	12.9/11	1.65	1.32	1.15	1.01	
◆ 512-FAN6920MRMY	FAN6920MRMY	SOIC-16	20	10	Critical-Mode	-	-	-	5.0/12	2.96	2.55	2.03	1.77	
◆ 512-FAN6921MLMY	FAN6921MLMY	SOIC-16	20	10	Critical-Mode	-	-	-	8.0/16	2.28	1.96	1.56	1.36	
◆ 512-FAN4800AUM	FAN4800AUM	SOP-16	80	5	Average Current	-	-	97	-	1.30	1.04	.78	.73	
◆ 512-FAN4800AUN	FAN4800AUN	DIP-16	80	5	Average Current	-	-	97	-	1.30	1.04	.78	.73	
◆ 512-FAN4800CUM	FAN4800CUM	SOIC-16	80	5	Average Current	-	-	97	-	1.55	1.24	.93	.87	
◆ 512-FAN4800CUN	FAN4800CUN	DIP-16	80	5	Average Current	-	-	97	-	1.55	1.24	.93	.87	
◆ 512-FL7930BMX	FL7930BMX	SOIC-8	120	1.5	Critical-Mode	0.5	1	-	-	1.08	.84	.775	.667	
◆ 512-ML4800CP	ML4800CP	DIP-16	200	5.5	Average Current	1	1	49	13/10	3.37	2.78	2.29	2.15	
◆ 512-ML4824CP1	ML4824CP1	DIP-16	700	16	Average Current	0.5	1	49	13/10	4.75	3.82	3.48	3.10	
◆ 512-ML4824CS2X	ML4824CS2X	SOIC-16(W)	700	16	Average Current	1	1	49	13/10	6.14	5.52	4.89	4.50	

VOLTAGE COMPARATORS

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Offset Voltage (Max.)(mV)	Response Time	Supply Voltage (Max.)(V)	Supply Voltage (Min.)(V)	Supply Current (Max.)(µA)	Power Dissipation (Max.)(mW)	Operating Temperature (°C)	Price Each				
										1	25	100	250	
Single														
◆ 512-FAN156L6X	FAN156L6X	MicroPak-6	15	16.5ns	3	-3	17	194	-40 to +85	.14	.135	.131	.127	
Dual														
◆ 512-FAN256L8X	FAN256L8X	MicroPak-8	15	13ns	3	-3	17	226	-40 to +85	.23	.223	.216	.209	

SMART POWER MODULES

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Max. Input Voltage	Maximum Current	Frequency	Motor Rating	Price Each			
							1	25	100	250
◆ 512-FSBF15CH60BT	FSBF15CH60BT	SPM27-JA	600V	3A	20kHz	220VAC	20.33	17.09	15.70	14.32
◆ 512-FNB41060	FNB41060	SPM26-AA	600V	5A	20kHz	253VAC	10.08	9.08	8.05	7.71
◆ 512-FNA41060B2	FNA41060B2	SPM26-AA	600V	10A	20kHz	253VAC	10.16	9.15	8.11	7.78
◆ 512-FSAM10SH60A	FSAM10SH60A	SPM32-AA	600V	10A	15kHz	220VAC	24.32	20.67	19.15	17.63
◆ 512-FNB41560B2	FNB41560B2	SPM26-AA	600V	15A	20kHz	-----	10.08	9.08	8.05	7.71
◆ 512-FSAM15SM60A	FSAM15SM60A	SPM32-AA	600V	15A	5kHz	220VAC	25.74	21.87	20.27	18.66
◆ 512-FSBF10CH60B	FSBF10CH60B	SPM27-CC	600V	15A	20kHz	253VAC	17.95	15.09	13.87	12.64
◆ 512-FPAB30BH60	FPAB30BH60	SPM27-IA	600V	30A	20kHz	264VAC	25.02	21.27	19.70	18.13
◆ 512-FSAM30SM60A	FSAM30SM60A	SPM32-AA	600V	30A	5kHz	220VAC	37.18	31.61	28.82	26.96
◆ 512-FSAM75SM60A	FSAM75SM60A	SPM-32DA	600V	75A	5kHz	200VAC	81.33	72.43	68.62	66.07

FULL FUNCTION LOAD SWITCHES



Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Input Voltage Range	Off Supply Current (Max.)(µA)	RDSon (Typ)(Ω)		Quiescent Current (Typ./Max.)(µA)	Rise Time (Typ.)(µS)	Fall Time (Typ.)(µS)	Price Each			
					@V	@Amps				1	25	100	250
◆ 512-FPF1504UCX	FPF1504UCX	WLSCP-4	1.0-3.6	1	0.15 @ 3.3	-----	1.0/-----	-----	-----	.52	.464	.405	.352
◆ 512-FPF1004	FPF1004	WLSCP-6	1.2-5.5	1	0.02 @ 5.5	-----	-----/1.0	13	113	1.46	1.15	1.03	.904
◆ 512-FPF1039BUCX	FPF1039BUCX	WLSCP-6	1.2-5.5	1	0.024 @ 5.5	1	5.5/8.0	2700	30	.75	.63	.50	.38
◆ 512-FPF1006	FPF1006	MicroFET-6	1.2-5.5	1	0.05 @ 5.5	-----	-----/1.0	10	100	.74	.621	.529	.48
◆ 512-FPF1007	FPF1007	MicroFET-6	1.2-5.5	1	0.03 @ 5.5	0.2	8.0/-----	10	15	.95	.73	.64	.55
◆ 512-FPF1008	FPF1008	MicroFET-6	1.2-5.5	1	0.03 @ 5.5	0.2	8.0/-----	80	15	.92	.69	.518	.387
◆ 512-FPF1009	FPF1009	MicroFET-6	1.2-5.5	1	0.03 @ 5.5	0.2	8.0/-----	1	15	.92	.71	.63	.546
◆ 512-FPF1038UCX	FPF1038UCX	WLSCP-6	1.2-5.5	1	0.02 @ 5.5	1	5.5/-----	2700	30000	.75	.63	.50	.38
◆ 512-FPF1103	FPF1103	WLSCP-4	1.2-4.0	1	0.035 @ 3.3	0.2	-----/1.0	65	2.2	.71	.612	.487	.424
◆ 512-FPF1205UCX	FPF1205UCX	WLSCP-4	1.2-4.0	0.1	.075 @ 3.3	0.2	-----/1.5	110	2	.71	.54	.408	.30
◆ 512-FPF1206UCX	FPF1206UCX	WLSCP-4	1.2-4.0	0.1	.075 @ 3.3	0.2	-----/1.5	110	2	.71	.54	.408	.30
◆ 512-FPF1207UCX	FPF1207UCX	WLSCP-4	1.2-4.0	0.1	0.05 @ 3.3	0.2	-----/1.5	110	2	.68	.51	.39	.29
◆ 512-FPF1208UCX	FPF1208UCX	WLSCP-4	1.2-4.0	0.1	0.05 @ 3.3	0.2	-----/1.5	110	2	.68	.51	.39	.29
◆ 512-FPF1048BUCX	FPF1048BUCX	WLSCP-6	1.5-5.5	1	0.21 @ 5.5	---	11	27	34	.84	.63	.48	.35
◆ 512-FPF1320UCX	FPF1320UCX	WLSCP-6	1.5-5.5	5	0.05 @ 3.3	0.2	22	130	320	.88	.66	.50	.37
◆ 512-FPF1321UCX	FPF1321UCX	WLSCP-6	1.5-5.5	5	0.05 @ 3.3	0.2	22	130	320	.88	.66	.50	.37
◆ 512-FPF2001	FPF2001	SC-70-5	1.8-5.5	1	0.7 @ 3.3	0.2	60/-----	10	0.1	1.02	.80	.727	.626
◆ 512-FPF2002	FPF2002	SC-70-5	1.8-5.5	1	0.7 @ 3.3	0.2	60/-----	10	0.1	1.02	.80	.727	.626
◆ 512-FPF2004	FPF2004	SC-70-5	1.8-5.5	1	0.7 @ 3.3	0.2	60/-----	10	0.1	1.02	.80	.727	.626
◆ 512-FPF2024	FPF2024	WLSCP-6	1.6-5.5	1	0.215 @ 5.5	-----							