

FAIRCHILD Analog ICs



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

USB SWITCHES

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	Configuration	No. of Switches	On Resistance (Ω)	V _{CC}	Bandwidth (MHz)	C _{ON} (pF)	Price Each		
									1	25	100
◆ 512-FSUSB11MTCX	FSUSB11MTCX	TSSOP-16	1x (SPDT) USB, FS	1	1	1.65V-5.5V	350	40	1.52	1.20	1.08
◆ 512-FSUSB22MTCX	FSUSB22MTCX	TSSOP-16	2x (4PDT) USB, HS	2	1	3.0V-6.0V	750	12	1.86	1.47	1.32
◆ 512-FSUSB30BQX	FSUSB30BQX	DQFN-16	1x (DPDT) USB, HS	1	6.5	3.0V-4.3V	720	5	1.02	.927	.85
◆ 512-FSUSB31K8X	FSUSB31K8X	US8-8	1x (DPST) USB, HS	1	6.5	3.0V-4.3V	720	5	1.79	1.41	1.26
◆ 512-FSUSB46K8X	FSUSB46K8X	US8-8	1x (DPST) USB, HS	2	6.5	3.0V-4.3V	720	7	1.79	1.41	1.26

VIDEO SWITCHES

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	Configuration	No. of Drivers	Supply Voltage (V)	Control Circuit Supply Voltage (Typ) (V)	Efficiency Peak (%)	Frequency (Max) (kHz)	Operating Temperature Range (°C)	Price Each		
										1	25	100
◆ 512-FSAV330MTCX	FSAV330MTCX	TSSOP-16	SPDT	4	3	4.75V-5.25V	3	300	12	.34	.307	.288
◆ 512-FSAV430QSCX	FSAV430QSCX	QSOP-16	SPDT	4	5	3.0V-3.6V	5	800	12	1.40	1.10	.992
◆ 512-FSHDMI08MTDX	FSHDMI08MTDX	TSSOP-56	2:1	12	19	3.0V-3.6V	19	-----	-----	2.63	2.03	1.83

DRMOS FET PLUS DRIVERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	No. of Drivers	Supply Voltage			Control Circuit Supply Voltage (Typ) (V)	Efficiency Peak (%)	Frequency (Max) (kHz)	Operating Temperature Range (°C)	Price Each			
				(Min)	(Typ)	(Max)					1	25	100	250
◆ 512-FDMF6820A	FDMF6820A	PQFN-40	1	-0.3	---	6.0	5.0	93	1000	-40 to +125	3.74	2.99	2.33	2.21
◆ 512-FDMF6705	FDMF6705	PQFN-40	1	3.0	12.0	20.5	5.0	93	1000	-40 to +125	2.94	2.35	1.83	1.73
◆ 512-FDMF6705V	FDMF6705V	PQFN-40	1	3.0	12.0	15.0	5.0	93	1000	-40 to +125	2.72	2.18	1.69	1.61

HIGH VOLTAGE GATE DRIVERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	No. of Drivers	Gate Drive Current (mA)		Supply Voltage (V)	Quiescent Supply Current (Max)(μA)	Operating Supply Current (Max)(μA)	Turn-on Prog Delay (Typ)(ns)	Turn-Off Prog Delay (Typ)(ns)	Operating Temperature Range (°C)	Price Each			
				Sink	Source							1	25	100	250
◆ 512-FAN7171MX_F085	FAN7171MX_F085	SOP-8	1	400	400	10 to 20	70	100	150	150	-40 to +85	1.65	1.32	.99	.93
◆ 512-FAN7362MX	FAN7362MX	SOP-8	1	500	250	10 to 20	80	550	120	90	-40 to +125	1.73	1.36	1.22	1.06
◆ 512-FAN7382MX	FAN7382MX	SOP-8	1	650	350	10 to 22	120	600	170	200	-40 to +125	1.79	1.42	1.27	1.10
◆ 512-FAN7382M1X	FAN7382M1X	SOP-14	1	650	350	10 to 22	120	600	170	200	-40 to +125	1.85	1.46	1.31	1.14
◆ 512-FAN7631SJ	FAN7631SJ	SOP-16	1	1000	500	10 to 20	200	200	150	150	-40 to +130	1.30	1.04	.78	.73
◆ 512-FAN7631SJX	FAN7631SJX	SOP-16	1	1000	500	10 to 20	200	200	150	150	-40 to +130	1.30	1.04	.78	.73
◆ 512-FAN7390MX	FAN7390MX	SOP-8	1	4500	4500	10 to 22	80	640	140	140	-40 to +125	3.36	2.59	2.35	2.11
◆ 512-FAN7390M1X	FAN7390M1X	SOIC-14	1	4500	4500	10 to 22	80	640	140	140	-40 to +125	3.36	2.59	2.35	2.11
◆ 512-FAN7387MX	FAN7387MX	SOP-8	2	-	-	11 to 14	500	800	150	160	-40 to +125	1.64	1.26	1.17	1.01
◆ 512-FAN7385MX	FAN7385MX	SOP-14	2	650	350	10 to 20	50	70	110	110	-40 to +125	1.44	1.18	.962	.827
◆ 512-FAN7388MX	FAN7388MX	SOIC-20	3	650	350	10 to 20	350	900	130	150	-40 to +125	3.33	2.57	2.32	2.09
◆ 512-FAN73892MX	FAN73892MX	SOIC-28	6	350	650	10 to 20	200	500	500	500	-40 to +125	2.79	2.23	1.74	1.65

IGBT/MOSFET GATE DRIVERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	No. of Drivers	Supply Voltage (Max)(V)	t _{PLH} (ns)	t _{PHL} (ns)	Peak Output Current (mA)	Pulse Width Distortion (Max)(ns)	Rise Time (Typ)(ns)	Fall Time (Typ)(ns)	Operating Temperature Range (°C)	Price Each			
												1	25	100	250
◆ 512-FOD3182S	FOD3182S	SOIC-8	1	30	210	210	3	65	38	24	-40 to +100	2.38	1.90	1.43	1.33
◆ 512-FOD3182	FOD3182	DIP-8	1	35	210	210	3	65	38	24	-40 to +100	2.03	1.62	1.22	1.16

HIGH-SIDE GATE DRIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	RDS (ON) (mΩ)	Operating Supply Voltage (V)	I _{Load} (A)	Turn-On Time (us)	Turn-Off Time (us)	Slew Rate (V/us)	UVLO Circuit	Ptot (W)	Operating Temperature Range (°C)	Price Each			
												1	25	100	250
◆ 512-FDBS09H04A_F085A	FDBS09H04A_F085A	TO-263	9	5.5 to 38	48	400	500	20	Yes	81	-40 to +150	2.27	1.82	1.42	1.35
◆ 512-FDDS10H04A_F085A	FDDS10H04A_F085A	TO-252	10	5.5 to 38	41	400	400	20	Yes	59	-40 to +150	2.48	1.98	1.49	1.39

LOW-SIDE GATE DRIVERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	No. of Ch.	Gate Drive Current (mA)		Operating Supply Voltage (V)	Quiescent Current (mA)	Input Threshold Type	UVLO Circuit	t _{PROP} (Typ) (ns)	Operating Temperature Range (°C)	Price Each			
				Sink	Source							1	25	100	250
◆ 512-FAN3100CMPX	FAN3100CMPX	MPL-6	1	+2.0A	-1.5A	4.5 to 18	0.2	CMOS	Yes	15	-40 to +125	.97	.81	.65	.493
◆ 512-FAN3213TMX	FAN3213TMX	SOIC-8	2	+4.0A	-3.0A	4.5 to 18	0.7	TTL	Yes	17	-40 to +125	1.79	1.54	1.23	1.07
◆ 512-FAN3216TMX	FAN3216TMX	SOIC-8	2	+2.4A	-1.6A	4.5 to 18	0.75	TTL	Yes	19	-40 to +125	1.42	1.22	.98	.854
◆ 512-FAN3217TMX	FAN3217TMX	SOIC-8	2	+2.4A	-1.6A	4.5 to 18	0.75	TTL	Yes	19	-40 to +125	1.39	1.19	.958	.835
◆ 512-FAN3223TMX	FAN3223TMX	SOIC-8	2	+4.0A	-3.0A	4.5 to 18	0.7	TTL	Yes	17	-40 to +125	1.93	1.48	1.34	1.21
◆ 512-FAN3278TMX	FAN3278TMX	SOIC-8	2	+2.4A	-1.6A	8.0 to 27	1.3	TTL	Yes	25	-40 to +125	1.17	.98	.78	.59
High & Low-Side															
◆ 512-FAN7190MX_F085	FAN7190MX_F085	SOP-8	2	+4.5A	+4.5A	10 to 22	0.11	-	Yes	140	-40 to +125	1.95	1.56	1.16	1.10

AUDIO JACK MICROPHONE/VIDEO SWITCHES

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	Configuration	No. of Switches	On Resistance (Ω)	V _{CC}	Crosstalk (dB)	Off Isolation (dB)	Max T		R _{ON} Flatness (Ω)	Price Each		
									On (ns)	Off (ns)		1	25	100
◆ 512-FSA8008AUMX	FSA8008AUMX	UMLP-10	SPST	1	0.6	2.5V-4.4V	-----	-90	---	---	0.7	.92	.69	.52
◆ 512-FSA8009UMX	FSA8009UMX	UMLP-10	SPST	1	1	2.5V-4.3V	-67	-100	40	15	0.5	.72	.54	.41
◆ 512-FSA8029UMX	FSA8029UMX	UMLP-10	SPST	1	1	2.5V-4.3V	-67	-100	40	15	0.5	.80	.60	.45

VIDEO FILTER DRIVERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	No. of Chan.	Cutoff Freq. (MHz)	Select. SD/HD Capable	Sound Notch	Modulator Outputs	Group Delay Compensation	Input Clamps	Sync Strippers	Price Each			
											1	25	100	250
◆ 512-FMS6404CSX	FMS6404CSX	SOIC-8	2	7.6	No	Yes	Yes	Yes	Yes	No	2.80	2.10	1.59	1.17
◆ 512-FMS6143CSX	FMS6143CSX	SOIC-8	3	8	No	No	No	No	Yes	Yes	.57	.486	.399	.372
◆ 512-FMS6303MTC1406X	FMS6303MTC1406X	TSSOP-14	3	65	Yes	No	No	No	No	No	2.08	1.85	1.67	1.48
◆ 512-FMS6346EMTC20X	FMS6346EMTC20X	TSSOP-20	6	8/30	Yes	No	No	No	No	No	1.08	.90	.72	.54
◆ 512-FMS6646MTC20X	FMS6646MTC20X	TSSOP-20	6	8/75	Yes	No	No	No	No	No	2.66	2.29	1.82	1.59

VIDEO SWITCH MATRIX/MULTIPLEXERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package Type	No. of Inputs	No. of Outputs	Prog. Gain	Control Interface	Standards Supported	Input Clamps	Supply Voltage (Min/Max)	Supply Curr. (Max)	Price Each			
											1	25	100	250
◆ 512-FMS6501MSA28X	FMS6501MSA28X	SSOP-28	12	9	1	I2C	470i, 480p, 720p, 1080i, 1080p	1	-0.3 to +6.0	100mA	5.55	4.53	4.07	3.70
◆ 512-FMS6502MTC24X	FMS6502MTC24X	TSSOP-24	8	6	1	I2C	470i, 480p, 720p, 1080i, 1080p	1	-0.3 to +6.0	75mA	2.94	2.40	2.15	1.94



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