

FAIRCHILD Interface

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



Analog ICs

Fairchild Semiconductor

COMPARATORS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Supply Voltage (V)	Voltage Gain Typ. (V/mV)	Supply Current Typ. (mA)	Input Offset Voltage Max (mV)	Input Offset Current Max (nA)	Input Bias Current Max (nA)	Response Time (ns)	Price Each			
										1	25	100	250
◆ 512-LM2901M	LM2901M	SOP-14	18 - 36	100	2	7	50	250	1400	.35	.30	.275	.24
◆ 512-LM2901MX	LM2901MX	SOP-14	18 - 36	100	2	7	50	250	1400	.34	.29	.25	.24
512-LM2901N	LM2901N	DIP-14	18 - 36	100	2	7	50	250	1400	.36	.285	.247	.18
◆ 512-LM2903MX	LM2903MX	SOIC-8	18 - 36	100	0.6	7	50	250	1500	.23	.20	.171	.154
◆ 512-LM2903M	LM2903M	SOP-8	18 - 36	100	0.6	7	50	250	1500	.23	.19	.162	.155
◆ 512-LM2903MX	LM2903MX	SOIC-8	18 - 36	100	0.6	7	50	250	1500	.22	.19	.171	.155
512-LM2903N	LM2903N	DIP-8	18 - 36	100	0.6	7	50	250	1500	.24	.199	.165	.157
512-KA339	KA339	DIP-14	18 - 36	200	1.1	5	50	250	1400	.41	.371	.323	.219
512-KA339A	KA339A	DIP-14	18 - 36	200	1.1	2	50	250	1400	.39	.342	.295	.199
512-KA393	KA393	DIP-8	18 - 36	200	0.6	5	50	250	1400	.33	.285	.251	.171
512-KA393A	KA393A	DIP-8	18 - 36	200	0.6	5	50	250	1400	.40	.352	.314	.20
◆ 512-LM339AM	LM339AM	SOP-14	18 - 36	200	2	5	50	250	1400	.35	.30	.275	.24
◆ 512-LM339AMX	LM339AMX	SOP-14	18 - 36	200	2	5	50	250	1400	.35	.30	.27	.24
512-LM339AN	LM339AN	DIP-14	18 - 36	200	2	5	50	250	1400	.36	.285	.247	.18
◆ 512-LM339M	LM339M	SOP-14	18 - 36	200	2	5	50	250	1400	.33	.257	.23	.174
512-LM339N	LM339N	DIP-14	18 - 36	200	2	5	50	250	1400	.27	.219	.187	.147
◆ 512-LM393AM	LM393AM	SOP-8	18 - 36	200	0.6	5	50	250	1400	.20	.161	.152	.131
◆ 512-LM393AN	LM393AN	DIP-8	18 - 36	200	0.6	5	50	250	1400	.32	.238	.208	.154
512-LM393M	LM393M	SOP-8	18 - 36	200	0.6	5	50	250	1400	.22	.19	.161	.152
◆ 512-LM393MX	LM393MX	SOIC-8	18 - 36	200	0.6	5	50	250	1400	.31	.247	.211	.144
512-LM393N	LM393N	DIP-8	18 - 36	200	0.6	5	50	250	1400	.24	.219	.208	.14
512-KA319	KA319	DIP-14	36	40	3.6	8	200	1000	80	.39	.333	.295	.201
◆ 512-LM319M	LM319M	SOP-14	36	40	3.6	8	200	1000	80	.28	.237	.226	.217
512-LM319N	LM319N	DIP-14	36	40	3.6	8	200	1000	80	.35	.304	.285	.271
◆ 512-LM311M	LM311M	SOP-8	36	200	3	7.5	50	250	200	.33	.266	.228	.18
512-LM311N	LM311N	DIP-8	36	200	3	7.5	50	250	200	.33	.266	.228	.18

LVDS ANALOG INTERFACE

◆ Surface Mount Device

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MOUSER STOCK NO.	Fairchild Part No.	Package	Function	No. of Bits	Max. Speed	Supply Voltage	Price Each			
							1	25	100	250
◆ 512-FIN1002M5X	FIN1002M5X	SOT-23	Receiver	1	400Mbps	3.3V	.77	.59	.489	.46
◆ 512-FIN1027AMX	FIN1027AMX	SOIC-8	Line Driver	2	600Mbps	3.3V	1.33	1.06	.795	.751
◆ 512-FIN1049MTCX	FIN1049MTCX	TSSOP-16	Transceiver	2+2	400Mbps	3.3V	1.91	1.52	1.18	1.15
◆ 512-FIN1101K8X	FIN1101K8X	US-8	Repeater	1	1600Mbps	3.3V	1.43	1.14	.855	.85
◆ 512-FIN1101M	FIN1101M	SOIC-8	Repeater	1	1600Mbps	3.3V	1.48	1.10	.99	.77
512-FIN1108MTD	FIN1108MTD	TSSOP-48	Repeater	8	1800Mbps	3.3V	4.39	3.51	2.73	2.59

ANALOG SWITCHES

◆ Surface Mount Device

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MOUSER STOCK NO.	Fairchild Part No.	Package	Configuration	No. of Switches	On Resistance (Ω)	Vcc	Bandwidth (MHz)	C _{on} (pF)	Price Each		
									1	25	100
◆ 512-FSA1156P6X	FSA1156P6X	SC70-6	1x SPST(NO)	1	9	1.65V-5.5V	350	65	.54	.50	.382
◆ 512-FSA1157P6X	FSA1157P6X	SC70-6	1x SPST(NC)	1	0.75	1.65V-5.5V	350	65	.55	.50	.382
◆ 512-FSA1256AL8X	FSA1256AL8X	MicroPak-8	SPST (NO)	2	0.95	2.7V-5.5V	300	27	.75	.69	.625
◆ 512-FSA1256L8X	FSA1256L8X	MicroPak-8	2x SPST(NO)	2	0.95	1.65V-5.5V	300	27	.81	.74	.675
◆ 512-FSA1257AL8X	FSA1257AL8X	MicroPak-8	2x SPST(NC)	2	0.95	1.65V-5.5V	300	27	.72	.66	.60
◆ 512-FSA2257L10X	FSA2257L10X	MicroPak-10	2x SPDT	2	0.95	1.65V-5.5V	350	40	.70	.67	.54
◆ 512-FSA2267L10X	FSA2267L10X	MicroPak-10	2x SPDT	2	0.35	1.65V-3.6V	45	128	.78	.65	.52
◆ 512-FSA2467MPX	FSA2467MPX	MLP-16	SPDT (NO)	4	0.4	1.65V-4.3V	45	118	.90	.75	.60
◆ 512-FSA266K8X	FSA266K8X	US8-8	2x SPST(NO)	2	6	1.65V-5.5V	300	10	.73	.67	.66
◆ 512-FSA266L8X	FSA266L8X	MicroPak-8	2x SPST(NC)	2	6	1.65V-5.5V	300	10	.69	.63	.58
◆ 512-FSA3157P6X	FSA3157P6X	SC70-6	1x SPDT	1	5	1.65V-5.5V	250	19	.37	.295	.205
◆ 512-FSA3357K8X	FSA3357K8X	US8-8	1x SP3T (NO/NC)	1	5	1.65V-5.5V	250	14.5	.81	.67	.50
◆ 512-FSA4157P6X	FSA4157P6X	SC70-6	1x SPDT	1	0.95	1.65V-5.5V	350	40	.41	.37	.281
◆ 512-FSA4159P6X	FSA4159P6X	SC70-6	SPDT	1	1	1.65V-5.5V	180	41	.70	.57	.42
◆ 512-FSA5157P6X	FSA5157P6X	SC70-6	SPDT (NO)	1	0.35	1.65V-3.6V	45	90	.53	.47	.441
◆ 512-FSA66P5X	FSA66P5X	SC70-5	SPST (NO)	1	5	1.65V-5.5V	250	6	.20	.19	.161
◆ 512-FSAL200QSCX	FSAL200QSCX	QSOP-16	Quad 2:1 LAN Switch	2	6	-5V-7.0V	300	15	.95	.923	.74
◆ 512-FSUSB11L10X	FSUSB11L10X	MicroPak-10	1x (SPDT) USB, FS	1	1	1.65V-5.5V	350	40	1.07	1.02	.82
◆ 512-FSUSB11MTCX	FSUSB11MTCX	TSSOP-16	1x (SPDT) USB, FS	1	1	1.65V-5.5V	350	40	1.23	1.14	1.03
◆ 512-FSUSB20L10X	FSUSB20L10X	MicroPak-10	1x (DPDT) USB, HS	1	5	3.0V-3.6V	800	12	1.50	1.38	1.25
◆ 512-FSUSB22MTCX	FSUSB22MTCX	TSSOP-16	2x (4PDT) USB, HS	2	5	3.0V-6.0V	750	12	1.50	1.38	1.25
◆ 512-FSUSB23L10X	FSUSB23L10X	MicroPak-10	1x (DPDT) USB, HS	1	5	3.0V-3.6V	800	9	1.50	1.38	1.25
◆ 512-FSUSB30BQX	FSUSB30BQX	DQFN-16	1x (DPDT) USB, HS	1	6.5	3.0V-4.3V	720	5	1.41	1.29	1.18
◆ 512-FSUSB31K8X	FSUSB31K8X	US8-8	1x (DPST) USB, HS	1	6.5	3.0V-4.3V	720	5	1.27	1.01	.761
◆ 512-NC7SZ66L6X	NC7SZ66L6X	MicroPak-6	1x SPST (NO)	1	5	1.65V-5.5V	-	6	.47	.38	.285

ANALOG TIMERS

◆ Surface Mount Device

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MOUSER STOCK NO.	Fairchild Part No.	Package	Supply Voltage		Control Voltage at Vcc 5V		Threshold Voltage at Vcc 5V		Trigger Voltage at Vcc 5V		Operating Temp. (°C)	Contact Form	Price Each		
			(Max) (V)	(Min) (V)	(Max) (V)	(Min) (V)	(Max) (V)	(Min) (V)	(Max) (V)	(Min) (V)			1	25	100
◆ 512-LM555CM	LM555CM	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	SPST, Normally Clsd	.34	.257	.224
512-LM555CN	LM555CN	DIP-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	SPST, Normally Clsd	.31	.209	.201
512-LM556CN	LM556CN	DIP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	0 ~ +70	Quad	.47	.304	.29

TEMPERATURE SENSORS

◆ Surface Mount Device

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MOUSER STOCK NO.	Fairchild Part No.	Package	Output Slope (Sensor Gain)	Supply Curr. (Max) (uA)	Supply Voltage		Accuracy (+/- Celsius)	User Configurable Resolution (Bits)	Price Each			
					(Max) (V)	(Min) (V)			1	25	100	250
◆ 512-FM50S3X	FM50S3X	SOT-23	10 mV/deg	130	6	2.4	3	-	.84	.70	.62	.59
◆ 512-FM20S3X	FM20S3X	SOT-23	-12 mV/deg	12	6	2.4	3	-	.96	.80	.70	.67