

MICROCHIP Microcontrollers and High Gain Amplifiers



RoHS Compliant This product is RoHS compliant.

32-BIT PIC32 FLASH MCUs

Features: • 10-Bit ADC • Prefetch For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Type	Description	Price Each			
Mfr.	Mfr. Part No.			1	10	25	100
579	—32MX110F016BIS	SPDIP-28	16KB, 4KB RAM, 40MHz	3.01	2.51	2.30	2.08
579	—32MX110F016DIPT	TQFP-44	16KB, 4KB RAM, 40MHz	3.12	2.60	2.39	2.16
579	—32MX210F016BISO	SOIC-28	16KB, 4KB RAM, 40MHz	2.95	2.46	2.25	2.04
579	—32MX210F016BISP	PDIP-28	16KB, 4KB RAM, 40MHz	3.19	2.66	2.44	2.21
579	—32MX210F016DIPT	TQFP-44	16KB, 4KB RAM, 40MHz	3.30	2.75	2.52	2.28
579	—PIC32MX320F40IPT	TQFP-64	32KB, 8KB RAM, 40MHz	5.11	4.26	3.90	3.54
579	—32MX120F032BISO	SOIC-28	32KB, 8KB RAM, 40MHz	3.09	2.58	2.37	2.14
579	—32MX120F032BISP	PDIP-28	32KB, 8KB RAM, 40MHz	3.33	2.78	2.54	2.30
579	—32MX120F032DIPT	TQFP-44	32KB, 8KB RAM, 40MHz	3.44	2.87	2.63	2.38
579	—32MX220F032BISO	SOIC-28	32KB, 8KB RAM, 40MHz	3.27	2.73	2.50	2.26
579	—32MX220F032DIPT	TQFP-44	32KB, 8KB RAM, 40MHz	3.62	3.02	2.76	2.50
579	—PIC32MX320F64H80	TQFP-64	64KB, 16KB RAM, 80MHz	5.80	4.84	4.43	4.02
579	—32MX320F064H80V	QFN-64	64KB, 16KB RAM, 80MHz	8.30	6.92	6.34	5.74
579	—32MX34F064H1MR	QFN-64	64KB, 16KB RAM, 80MHz	6.56	5.47	5.02	4.54
579	—32MX34F064H1PT	TQFP-64	64KB, 16KB RAM, 80MHz	6.43	5.36	4.91	4.45
579	—PIC32MF128L80IPT	TQFP-100	128KB, 16KB RAM, 80MHz	7.33	6.11	5.60	5.07
579	—PIC32MX32F128H80	TQFP-64	128KB, 16KB RAM, 80MHz	6.20	5.17	4.73	4.29

DSPIC 16-BIT DIGITAL SIGNAL CONTROLLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Type	Description	Price Each			
Mfr.	Mfr. Part No.			1	10	25	100
30 MIPS							
579	—DSPIC30202030ISO	SOIC-28	12KB, 512B RAM 21 I/O	6.01	5.01	4.55	4.14
579	—DSPIC30202030ISP	SPDIP-28	12KB, 512B RAM 21 I/O	6.24	5.20	4.72	4.29
579	—DSPIC30F201130IP	DIP-18	12KB, 1KB RAM 12 I/O	3.81	3.18	2.89	2.63
579	—DS30F201230ISO	SOIC-28	12KB, 1KB RAM 12 I/O	3.86	3.22	2.92	2.66
579	—DSPF301030ISO	SOIC-28	24KB, 1KB RAM, 30MHz	5.01	4.18	3.80	3.45
579	—DS30F301220ESO	SOIC-18	24KB, 2KB RAM, 30MHz	4.89	4.08	3.70	3.37
579	—DSPF301230IPT	DIP-18	24KB, 2KB RAM, 30MHz	4.56	3.80	3.45	3.14
579	—DS30F301220ISO	SOIC-18	24KB, 2KB RAM, 30MHz	4.45	3.71	3.37	3.06
579	—DSPF301330ISP	SPDIP-28	24KB, 2KB RAM, 30MHz	4.81	4.01	3.65	3.32
579	—DSPF301230ISO	SOIC-18	24KB, 2KB RAM, 30MHz	4.45	3.71	3.37	3.06
579	—30F4011-30/PT	TQFP-44	48KB, 1KB RAM, 30MHz	6.67	5.56	5.05	4.59
579	—DSPF401330IPT	TQFP-44	48KB, 1KB RAM, 40MHz	6.49	5.41	4.92	4.47
579	—30F4011-30/PT	DIP-40	48KB, 2KB RAM, 30MHz	6.84	5.70	5.17	4.70
579	—30F4012-30/SO	SOIC-28	48KB, 2KB RAM, 30MHz	6.16	5.14	4.67	4.25
579	—30F4012-30/PT	SPDIP-28	48KB, 2KB RAM, 30MHz	6.38	5.32	4.83	4.40
579	—DS30F401320EPT	TQFP-44	48KB, 2KB RAM, 30MHz	7.14	5.95	5.41	4.92
579	—DS30F5011-30/PT	TQFP-64	66KB, 2KB RAM, 30MHz	8.65	7.21	6.55	5.96
579	—DS30F501530IPT	TQFP-64	66KB, 2KB RAM, 30MHz	8.43	7.03	6.39	5.81
579	—DSPF401330IPT	DIP-40	48KB, 2KB RAM, 40MHz	6.66	5.55	5.04	4.58
579	—DS30F401320IP	PDIP-40	48KB, 2KB RAM, 40MHz	6.66	5.55	5.04	4.58
579	—DS30F5011-20/PT	TQFP-64	96KB, 4KB RAM, 52 I/O	8.24	6.87	6.24	5.67
579	—DS30F6011A30IPT	TQFP-64	132KB, 6KB RAM, 30MHz	11.44	9.54	8.66	7.88
579	—DS306010A30IPT	TQFP-64	144KB, 8KB RAM, 30MHz	12.22	10.19	9.26	8.42
579	—DS30F6012A30IPT	TQFP-64	144KB, 8KB RAM, 30MHz	11.55	9.63	8.75	7.95
579	—DS30F6014A30IPT	TQFP-80	144KB, 8KB RAM, 40MHz	12.03	10.03	9.11	8.28
579	—DS30F6012A30IPF	TQFP-64	144KB, 8KB RAM, 52 I/O	12.64	10.54	9.57	8.70
579	—DS30F6015A30IPT	TQFP-64	144KB, 8KB RAM, 52 I/O	11.92	9.94	9.03	8.21
579	—DS306010A30IPF	TQFP-80	144KB, 8KB RAM, 68 I/O	13.32	11.10	10.08	9.17
40 MIPS							
579	—DSPICFJ12GP2011P	PDIP-18	12KB, 1KB RAM, 13 I/O	3.56	2.97	2.72	2.46
579	—DSPICFJ12MC2011P	PDIP-20	12KB, 1KB RAM, 13 I/O	4.02	3.35	3.07	2.78
579	—DSPICFJ12MC2021SO	SOIC-28	12KB, 1KB RAM, 21 I/O	3.86	3.22	2.95	2.67
579	—DSPIC332P3021SO	SOIC-28	32KB, 4KB RAM, 21 I/O	4.56	3.80	3.48	3.15
579	—DSPIC332P3021ISP	SPDIP-28	32KB, 4KB RAM, 21 I/O	4.78	3.99	3.66	3.31
579	—DSPIC332P3041PT	TQFP-44	32KB, 4KB RAM, 35 I/O	4.96	4.14	3.80	3.44
579	—DSPIC332MC2041PT	TQFP-44	32KB, 2KB RAM, 35 I/O	4.56	3.80	3.48	3.15
579	—DSPIC332MC2041ISP	TQFP-44	32KB, 2KB RAM, 35 I/O	5.16	4.30	3.94	3.57
579	—33FJ64GS606-E/PT	TQFP-64	64KB, 4KB RAM, 58 I/O	6.96	5.80	5.26	4.79
579	—33FJ64GS608-E/PT	TQFP-80	64KB, 4KB RAM, 74 I/O	7.88	6.57	6.02	5.46
579	—DSPIC364GP202ISO	SOIC-28	64KB, 8KB RAM, 21 I/O	5.16	4.30	3.94	3.57
579	—DSPIC364GP202ISP	SPDIP-28	64KB, 8KB RAM, 21 I/O	5.38	4.49	4.12	3.73
579	—DSPIC364MC2041PT	TQFP-44	64KB, 8KB RAM, 35 I/O	5.59	4.66	4.28	3.87
579	—DS33FJ64GP206IPT	TQFP-64	64KB, 8KB RAM, 53 I/O	5.59	4.66	4.28	3.87
579	—33FJ64GS606-I/PT	TQFP-64	64KB, 9KB RAM, 53 I/O	6.32	5.27	4.79	4.35
579	—33FJ64GS608-I/PT	TQFP-80	64KB, 9KB RAM, 69 I/O	7.16	5.97	5.48	4.96
579	—33FJ64GS610-I/PT	TQFP-100	64KB, 9KB RAM, 85 I/O	8.65	7.21	6.61	5.98
579	—DSPIC364GP802ISO	SOIC-28	64KB, 16KB RAM, 21 I/O	5.64	4.70	4.31	3.90
579	—DSPIC364GP802ISP	SPDIP-28	64KB, 16KB RAM, 21 I/O	5.88	4.90	4.49	4.06
579	—DSPIC364MC802ISO	SOIC-28	64KB, 16KB RAM, 21 I/O	5.78	4.82	4.42	4.00
579	—DSPIC364MC802ISP	SPDIP-28	64KB, 16KB RAM, 21 I/O	6.01	5.01	4.59	4.16
579	—DSPIC364P804IPT	TQFP-44	64KB, 16KB RAM, 35 I/O	6.03	5.03	4.61	4.18
579	—DSPIC364MC804IPT	TQFP-64	64KB, 16KB RAM, 35 I/O	6.43	5.36	4.91	4.45
579	—DS33FJ64GP306IPT	TQFP-64	64KB, 16KB RAM, 53 I/O	5.83	4.86	4.45	4.03
579	—DS33FJ64GP706IPT	TQFP-64	64KB, 16KB RAM, 53 I/O	6.84	5.70	5.23	4.74
70 MIPS							
579	—33EP64MC203ITL	VTLA-36	64KB, 8KB RAM, 25 I/O	4.28	3.57	3.27	2.96
579	—33EP64MC203ITL	VTLA-36	64KB, 8KB RAM, 25 I/O	4.28	3.57	3.27	2.96
579	—24EP64MC204ITL	QFN-44	64KB, 8KB RAM, 25 I/O	4.41	3.68	3.37	3.06
579	—33EP64MC202ISO	SOIC-28	64KB, 8KB RAM, 21 I/O	4.04	3.37	3.09	2.80
579	—24EP64MC202ISO	SOIC-28	64KB, 8KB RAM, 21 I/O	4.04	3.37	3.09	2.80
579	—33EP64MC206IMR	QFN-64	64KB, 8KB RAM, 53 I/O	4.64	3.87	3.55	3.22
579	—24EP64MC204IML	QFN-64	64KB, 8KB RAM, 53 I/O	4.64	3.87	3.55	3.22
579	—33EP64MC202ISP	SPDIP-28	64KB, 8KB RAM, 21 I/O	4.28	3.57	3.27	2.96
579	—33EP64MC204IML	QFN-44	64KB, 8KB RAM, 25 I/O	4.41	3.68	3.37	3.06
579	—33EP64MC504IML	QFN-44	64KB, 8KB RAM, 35 I/O	4.76	3.97	3.64	3.30
579	—33EP64MC503ITL	VTLA-36	64KB, 8KB RAM, 25 I/O	4.62	3.85	3.53	3.20
579	—33EP64MC502ISP	SOIC-28	64KB, 8KB RAM, 21 I/O	4.39	3.66	3.36	3.04
579	—33EP64MC502ISP	SPDIP-28	64KB, 8KB RAM, 21 I/O	4.62	3.85	3.53	3.20
579	—33EP64MC506IMR	QFN-64	64KB, 8KB RAM, 53 I/O	4.99	4.16	3.82	3.46

HIGH-LINEARITY POWER AMPLIFIER

Features: • Small package size • High linear output power • High speed power-up/down • Turn on/off time (10%~90%)<100ns ◆ Surface Mount Device

MOUSER STOCK NO.	Microchip Part No.	Case Type	Gain (dB)	Linear Output Power (Max) (dBm)	Temperature Range (°C)	Supply Current (Typ/Max) (Ma)	Supply Voltage (V)	Price Each		
								1	25	100
◆ 579-11CP15QUB	SST11CP15-QUBE	UQFN	26	23	-10°C to +85°C	210/-----	-40°C to +120°C	1.47	1.03	.89

HIGH-POWER, HIGH-GAIN AMPLIFIERS

◆ Surface Mount Device For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Case Type	Gain (dB)	Linear Output Power (Max) (dBm)	Temperature Range (°C)	Supply Current (Typ/Max) (mA)	Price Each		
							1	25	100
◆ 579-SST12LF03-Q3DE	SST12LF03-Q3DE	QFN-20	8	3.1	-40 to +85	200/-----	1.38	.96	.83
◆ 579-12LP17EQU8E	SST12LP17E-QU8E	UDFN-8	29	24	-40 to +85	-	1.06	.74	.65
◆ 579-SST12LP18E-QX8E	SST12LP18E-QX8E	XSON-8	25	24	-40 to +85	-	.64	.45	.39

MCU / MPU / DSP Microchip NEW AT MOUSER NEW AT MOUSER NEW AT MOUSER