

MICROCHIP Microcontrollers and High Gain Amplifiers



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	PIC32MX320F40IPT	TQFP-64	32KB, 8KB RAM, 40 MHz	5.11	4.26	3.90	3.54
579	PIC32MX320F64H80	TQFP-64	64KB, 16KB RAM, 80 MHz	5.80	4.84	4.43	4.02
579	32MX534F064H1MR	QFN-64	64KB, 16KB RAM, 80 MHz	6.56	5.47	5.02	4.54
579	32MX534F064H1PT	TQFP-64	64KB, 16KB RAM, 80 MHz	6.43	5.36	4.91	4.45
579	PIC32MF128L80IPT	TQFP-100	128KB, 16KB RAM, 80 MHz	7.33	6.11	5.60	5.07
579	PIC32MX32F128H80	TQFP-64	128KB, 16KB RAM, 80 MHz	6.20	5.17	4.73	4.29
579	PIC32MX320F128L	XBGA-121	128KB, 16KB RAM, 80 MHz	7.80	6.50	5.95	5.39

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MOUSER STOCK NO.		Package Type	Description	Price Each			
Mfr.	Mfr. Part No.			1	10	25	100
579	PIC32MX340F128L8	XBGA-121	128KB, 32KB RAM, 80 MHz	7.80	6.50	5.95	5.39
579	32MX764F128L1PF	TQFP-100	128KB, 32KB RAM, 80 MHz	9.10	7.59	6.96	6.30
579	32MX764F128L1BG	XBGA-121	128KB, 32KB RAM, 80 MHz	9.00	7.50	6.87	6.22
579	32MX764F128L1PT	TQFP-100	128KB, 32KB RAM, 80 MHz	8.53	7.11	6.52	5.90
579	PIC324F256L80IPT	TQFP-100	256KB, 32KB RAM, 80 MHz	8.35	6.96	6.38	5.78
579	PIC32MF256H80IPT	TQFP-64	256KB, 32KB RAM, 80 MHz	7.12	5.94	5.44	4.93

DSPIC 16-BIT DIGITAL SIGNAL CONTROLLERS

Microchip's 16-bit, dsPIC® Digital Signal Controllers provide designers with an easy upgrade path from 8-bit PIC® microcontrollers and a cost effective option to 32-bit MCUs. The broad product line includes everything from eXtreme Low Power microcontrollers to high performance digital signal controllers. Combined with hardware and free software these 16-bit products make the design of Control, mTouch™ Sensing, Graphics, Connectivity, Digital Power Conversion, Smart Sensing and Motor Control solutions easy to implement.

Broad Portfolio:

- Pin and code compatible across families
- 16 to 40 MIPS PIC24 MCU & dsPIC® DSC families
- Flexible memory options up to 256 KB

Innovative Peripherals:

- Graphics Control and Interface
- PMP for Graphics Display Interface
- USB-OTG, CAN, LIN and More
- Digital Power Conversion and Motor Control

Real-Time Control:

- Single cycle execution
- Integrated WDT, POR, BOR and LVD
- Fast DMA

Free Software Libraries:

- Graphics, mTouch™ Sensing Solutions and Speech
- USB-OTG, CAN and Ethernet
- Motor Control, SMPS and Audio

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, 30 MHz	5.01	4.18	3.80	3.45
579	DS30F301220ESO	SOIC-18	24KB, 2KB RAM, 30 MHz	4.89	4.08	3.70	3.37
579	DSPF301230IPT	DIP-18	24KB, 2KB RAM, 30 MHz	4.56	3.80	3.45	3.14
579	DS30F301220ISO	SOIC-18	24KB, 2KB RAM, 30 MHz	4.45	3.71	3.37	3.06
579	DSPF301330ISP	SPDIP-28	24KB, 2KB RAM, 30 MHz	4.81	4.01	3.65	3.32
579	DSPF301230ISO	SOIC-18	24KB, 2KB RAM, 30 MHz	4.45	3.71	3.37	3.06
579	30F4011-30IPT	TQFP-44	48KB, 1KB RAM, 30 MHz	6.67	5.56	5.05	4.59
579	DSPF401330IPT	TQFP-44	48KB, 1KB RAM, 30 MHz	6.49	5.41	4.92	4.47
579	30F4011-30IPT	DIP-40	48KB, 2KB RAM, 30 MHz	6.84	5.70	5.17	4.70
579	30F4012-30ISO	SOIC-28	48KB, 2KB RAM, 30 MHz	6.16	5.14	4.67	4.25
579	30F4012-30ISP	SPDIP-28	48KB, 2KB RAM, 30 MHz	6.38	5.32	4.83	4.40
579	DS30F401320EPT	TQFP-44	48KB, 2KB RAM, 30 MHz	7.14	5.95	5.41	4.92
579	DS30F5011-30IPT	TQFP-64	66KB, 2KB RAM, 30 MHz	8.65	7.21	6.55	5.96
579	DS30F501530IPT	TQFP-64	66KB, 2KB RAM, 30 MHz	8.43	7.03	6.39	5.81
579	DSPF401330IPT	DIP-40	48KB, 2KB RAM, 40 MHz	6.66	5.55	5.04	4.58
579	DS30F601430IPT	PDIP-40	48KB, 2KB RAM, 40 MHz	6.66	5.55	5.04	4.58
579	DS30F6011A30IPT	TQFP-64	132KB, 6KB RAM, 30 MHz	11.44	9.54	8.66	7.88
579	DS30601A30IPT	TQFP-80	144KB, 8KB RAM, 30 MHz	12.22	10.19	9.26	8.42
579	DS30F6012A30IPT	TQFP-64	144KB, 8KB RAM, 30 MHz	11.55	9.63	8.75	7.95
579	DS30F6014A30IPT	TQFP-80	144KB, 8KB RAM, 40 MHz	12.03	10.03	9.11	8.28
40 MIPS							
579	DSPICF122GP201IP	PDIP-18	12KB, 1KB RAM, 13 I/O	3.56	2.97	2.72	2.46
579	DSPICF122MC201IP	PDIP-20	12KB, 1KB RAM, 13 I/O	4.02	3.35	3.07	2.78
579	DSPICJ12MC201ISO	SOIC-20	12KB, 1KB RAM, 13 I/O	3.79	3.16	2.90	2.62
579	DSPICJ12MC201ISO	SOIC-28	12KB, 1KB RAM, 21 I/O	3.86	3.22	2.95	2.67
579	DSPIC332GP302ISO	SOIC-28	32KB, 4KB RAM, 21 I/O	4.56	3.80	3.48	3.15
579	DSPIC332GP302ISP	SPDIP-28	32KB, 4KB RAM, 21 I/O	4.78	3.99	3.66	3.31
579	DSPIC332GP304IPT	TQFP-44	32KB, 4KB RAM, 35 I/O	4.96	4.14	3.80	3.44
579	DSPICJ32MC204IPT	TQFP-44	32KB, 2KB RAM, 35 I/O	4.56	3.80	3.48	3.15
579	DSPIC332MC304IPT	TQFP-44	32KB, 4KB 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	33FJ64GS610-E/PT	TQFP-100	64KB, 4KB RAM, 85 I/O	8.88	7.40	6.78	6.14
579	33FJ64GS610-E/PF	TQFP-100	64KB, 4KB RAM, 85 I/O	9.45	7.88	7.22	6.54
579	DSPIC334GP202IMM	QFN-28	64KB, 8KB RAM, 21 I/O	5.29	4.41	4.05	3.66
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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Type	Description	Price Each			
Mfr.	Mfr. Part No.			1	10	25	100
40 MIPS (Cont.)							
579	DSPIC364MC204IPT	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	33FJ64GS606-1MR	QFN-64	64KB, 9KB RAM, 53 I/O	6.45	5.38	4.88	4.44
579	33FJ64GS606-1PT	TQFP-64	64KB, 9KB RAM, 53 I/O	6.32	5.27	4.79	4.35
579	33FJ64GS608-1PT	TQFP-80	64KB, 9KB RAM, 69 I/O	7.16	5.97	5.48	4.96
579	33FJ64GS610-1PF	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	DSPIC364GP804IPT	TQFP-44	64KB, 16KB RAM, 35 I/O	6.03	5.03	4.61	4.18
579	DSPIC364MC804IML	QFN-44	64KB, 16KB RAM, 35 I/O	6.56	5.47	5.02	4.54
579	DSPIC364MC804IPT	TQFP-44	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
579	DSPIC128GP202ISP	SPDIP-28	128KB, 8KB RAM, 21 I/O	5.91	4.93	4.52	4.10
579	DSPIC128GP204IPT	TQFP-44	128KB, 8KB RAM, 35 I/O	5.91	4.93	4.52	4.10
579	DSPIC128MC204IPT	TQFP-44	128KB, 8KB RAM, 35 I/O	6.08	5.07	4.65	4.21
579	DS33FJ128GP206IPT	TQFP-64	128KB, 8KB RAM, 53 I/O	5.98	4.99	4.58	4.14
579	DS33FJ128MC506PT	TQFP-64	128KB, 8KB RAM, 53 I/O	6.78	5.65	5.18	4.69
579	DSPIC128GP802ISO	SOIC-28	128KB, 16KB RAM, 21 I/O	6.15	5.13	4.70	4.26
579	DSPIC128GP802ISP	SPDIP-28	128KB, 16KB RAM, 21 I/O	6.38	5.32	4.88	4.42
579	DSPIC128MC802IMM	QFN-S-28	128KB, 16KB RAM, 21 I/O	6.45	5.38	4.93	4.46
579	DSPIC128MC802ISO	SOIC-28	128KB, 16KB RAM, 21 I/O	6.31	5.26	4.82	4.37
579	DSPIC128MC802ISP	SPDIP-28	128KB, 16KB RAM, 21 I/O	6.54	5.45	5.00	4.53
579	DSPIC128GP804IML	QFN-44	128KB, 16KB RAM, 35 I/O	6.68	5.57	5.11	4.62
579	DSPIC128GP804IPT	TQFP-44	128KB, 16KB RAM, 35 I/O	6.54	5.45	5.00	4.53
579	DSPIC128MC804IPT	TQFP-44	128KB, 16KB RAM, 35 I/O	6.98	5.82	5.34	4.83
579	DS33FJ128GP306IPT	TQFP-64	128KB, 16KB RAM, 53 I/O	6.26	5.22	4.79	4.34
579	DS33FJ128GP708PT	TQFP-80	128KB, 16KB RAM, 69 I/O	7.75	6.46	5.92	5.36
579	33FJ128GP706IPT	TQFP-64	128KB, 16KB RAM, 85 I/O	7.26	6.05	5.55	5.02
579	33FJ128MC706IPT	TQFP-64	128KB, 16KB RAM, 85 I/O	7.42	6.19	5.67	5.14
579	DS33FJ256GP506PT	TQFP-64	256KB, 16KB RAM, 53 I/O	6.93	5.78	5.30	4.80
579	FJ256GP506A-1PT	TQFP-64	256KB, 16KB RAM, 53 I/O	6.93	5.78	5.30	4.80
579	DS33FJ256GP710PF	TQFP-100	256KB, 16KB RAM, 85 I/O	9.37	8.11	7.16	6.48
579	DS33FJ256GP710PT	TQFP-100	256KB, 16KB RAM, 85 I/O	8.78	7.32	6.71	6.08
579	FJ256GP710A-E/PF	TQFP-100	256KB, 30KB RAM, 85 I/O	10.24	8.54	7.83	7.09
579	FJ256GP710A-1PF	TQFP-100	256KB, 30KB RAM, 85 I/O	9.37	7.81	7.16	6.48
579	DS33FJ256MC710PF	TQFP-100	256KB, 30KB RAM, 85 I/O	9.94	8.29	7.60	6.88
579	DS33FJ256MC710PT	TQFP-100	256KB, 30KB RAM, 85 I/O	9.37	7.81	7.16	6.48

HIGH-LINEARITY POWER AMPLIFIER

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



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)	Supply Voltage (V)	Price Each		
								1	25	100
579-11CP150QE	SST11CP15-QUBE	UQFN	26	23	-10°C to +85°C	210/-----	-40°C to +120°C	1.47	1.03	.089

HIGH-POWER, HIGH-GAIN AMPLIFIERS