16 & 32-Bit Microprocessor Support ICs

211039

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
80186											
80C186	INTEL	PLCC	PLCC	16-bit CMOS CPU, 12MHz clock (enhanced 80C86)	N80C186XL-12	SMD **205-825**	1,112.00	839.00	731.00	– –	– –
80C186	INTEL	68	PLCC	16-bit CMOS CPU, 20MHz clock (enhanced 80C86)	N80C186XL-20	SMD **631-796**	1,032.00	1,013.00	– –	– –	– –
80C186	INTEL	68	PLCC	16-bit CMOS CPU, 25MHz clock (enhanced 80C86)	N80C186XL-25	SMD **316-6193**	940.00	789.00	664.00	– –	– –
286											
82C84	INTS	18	DIL	CMOS Clock Generator and Driver, 25MHz.	CP82C84A	**527-830**	238.00	220.00	201.00	190.00	– –
82C84	INTS	18	DIL	CMOS Clock Generator and Driver, 25MHz.	CP82C84AZ	**121-6116**●	238.00	220.00	201.00	190.00	– –
8XC196											
80C196	INTEL	68	PLCC	16-bit CMOS CPU, on-chip 10-bit A/D converter with sample and hold amp., 8/16-bit external bus, 16MHz.	N80C196KB-16	SMD **563-493**	1,117.00	905.00	840.00	– –	– –
87C196	INTEL	68	PLCC	16-bit CMOS MCU, 8K OTP PROM - on board 8 channel ADC,16MHz	N87C196KB-16	SMD **316-6247**	1,422.00	1,307.00	1,228.00	– –	– –
87C196	INTEL	68	PLCC	16-bit CMOS MCU, 16K OTP PROM - on board 8 or 10 bit ADC with sample and hold amp., 8/16 bit external bus, 20MHz	N87C196KC-20	SMD **631-681**	2,635.00	2,203.00	1,771.00	– –	– –

HCS12 Development Kit

freescale semiconductor

The HCS12 Development Kit is a tool for developing code and evaluating it on HCS12 "D" and "A" family MCUs. This kit combines the BDM Multilink and an evaluation board (EVB). The EVB simplifies user evaluation of prototype hardware and software by providing the essential MCU timing and I/O circuitry as well as a prototype area to allow custom interfacing. The BDM Multilink interfaces to the EVB through the 6-pin BDM connector for real-time In-Circuit Emulation and fast FLASH programming.

HCS12DP256 Evaluation Board:-
- MC9S12DP256 MCU allows evaluation of all HCS12 D & A derivatives
- 256 Kbytes on-chip Flash
- User prototyping area
- Header connectors for access to the microcontroller I/O and bus lines
- RS232 & CAN communication interfaces

BDM Multilink:-
- Universal development tool for all BDM HCS12 derivatives
- Real-time in-circuit emulation and debug
- Fast in-circuit programming
- Auto-detects target MCU frequency
- Small unobtrusive size (approx. 3"x2"x3/4")
- Supports 2V to 5.5V targets

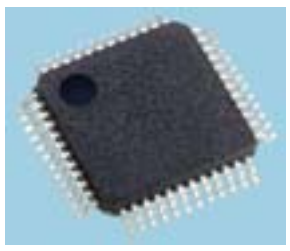
CodeWarrior IDE from Metrowerks:-
- Full debugger, assembler, linker and programming
- Evaluation C compiler

239885

Mftrs. List No.	Product Description	Order Code	Price Each
M68KIT912DP256	HCS12 Evaluation Kit	**413-2889**	36,070.00

MC9S12 Series Microcontrollers

freescale semiconductor



NEW

The MC9S12 16-bit Microcontroller Family is built around a powerful CPU that incorporates leading-edge, third-generation 0.25μ FLASH technology. This unique family will provide pin-compatible scalability from 32 Kbytes to 512 Kbytes of integrated FLASH along with a wide variety of integrated peripherals. The highly efficient communication CAN modules featured in some of the MC9S12 family make these ideal for other networked automotive applications.

Features:
- Fully upward compatible with the popular 8-bit 68HC11 for easy migration
- Extremely compact code optimized for C
- High performance with up to 40 nsec minimum instruction cycle time
- Flexible addressing modes including multibyte automatic post-increment or decrement for efficient pointer manipulation and looping control
- On-chip background debug module allows expensive emulators to be replaced by low-cost serial real-time emulation and debug.

383503

	Pins/ Package	Description	I/O Pins	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
12C32	48/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	31	MC9S12C32CFAE25	SMD **868-6599**●	513.00	402.00	379.00
12C32	80/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	60	MC9S12C32CFUE25	SMD **868-6602**●	541.00	424.00	400.00
12C32	52/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	35	MC9S12C32CPBE25	SMD **868-6610**●	505.00	396.00	373.00
12C32	48/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	31	MC9S12C32MFAE25	SMD **868-6629**●	570.00	447.00	421.00
12C32	80/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	60	MC9S12C32MFUE25	SMD **868-6637**●	622.00	498.00	469.00
12C32	52/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	35	MC9S12C32MPBE25	SMD **868-6645**●	561.00	440.00	414.00
12C32	48/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	31	MC9S12C32VFAE25	SMD **868-6653**●	531.00	416.00	392.00
12C32	80/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	60	MC9S12C32VFUE25	SMD **868-6661**●	589.00	462.00	435.00
12C32	52/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	35	MC9S12C32VPBE25	SMD **868-6670**●	555.00	435.00	410.00
12A64	80/QFP	16-bit MCU 64Kb Flash, 4Kb RAM - 25MHZ.	59	MC9S12A64CFUE	SMD **868-6726**●	686.00	538.00	507.00
12A64	112/LQFP	16-bit MCU 64Kb Flash, 4Kb RAM - 25MHZ.	91	MC9S12A64CPVE	SMD **868-6734**●	696.00	546.00	514.00
12D64	80/QFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	60	MC9S12D64CFUE	SMD **868-6750**●	803.00	630.00	593.00
12D64	112/LQFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	91	MC9S12D64CPVE	SMD **868-6769**●	831.00	652.00	614.00
12D64	80/QFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	60	MC9S12D64MFUE	SMD **868-6777**●	912.00	731.00	689.00
12D64	112/LQFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	91	MC9S12D64MPVE	SMD **868-6785**●	899.00	705.00	664.00
12D64	80/QFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	60	MC9S12D64VFUE	SMD **868-6793**●	869.00	697.00	657.00
12D64	112/LQFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	91	MC9S12D64VPVE	SMD **868-6807**●	839.00	658.00	620.00
12E64	80/QFP	16-bit MCU 64Kb Flash, 4Kb RAM - 25MHZ.	60	MC9S12E64CFUE	SMD **868-7137**●	636.00	498.00	470.00
12E64	112/LQFP	16-bit MCU 64Kb Flash, 4Kb RAM - 25MHZ.	91	MC9S12E64CPVE	SMD **868-7145**●	697.00	547.00	515.00
12A128	80/QFP	16-bit MCU 128Kb Flash, 8Kb RAM - 25MHZ.	59	MC9S12A128CFUE	SMD **868-6688**●	971.00	761.00	717.00
12DG128	80/QFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	60	MC9S12DG128CFUE	SMD **868-6815**●	969.00	760.00	715.00
12DG128	80/QFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	60	MC9S12DG128MFUE	SMD **868-6831**●	669.00	524.00	494.00
12DG128	80/QFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	60	MC9S12DG128VFUE	SMD **868-6858**●	1,004.00	787.00	742.00
12DT128	112/LQFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	91	MC9S12DT128MPVE	SMD **868-7064**●	1,184.00	928.00	874.00
12DT128	112/LQFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	91	MC9S12DT128VPVE	SMD **868-7072**●	1,130.00	886.00	835.00
12E128	80/QFP	16-bit MCU 128Kb Flash, 8Kb RAM - 25MHZ.	60	MC9S12E128CFUE	SMD **868-7110**●	790.00	620.00	584.00
12E128	112/LQFP	16-bit MCU 128Kb Flash, 8Kb RAM - 25MHZ.	91	MC9S12E128CPVE	SMD **868-7129**●	844.00	677.00	638.00
12H128	112/LQFP	16-bit MCU w/CAN, 128Kb Flash, 6Kb RAM - 16MHZ	99	MC9S12H128VPVE	SMD **868-6564**●	1,213.00	951.00	896.00
12H256	144/LQFP	16-bit MCU w/CAN, 256Kb Flash, 12Kb RAM - 16MHZ	99	MC9S12H256VFVE	SMD **868-6572**●	1,547.00	1,213.00	1,142.00
12H256	112/LQFP	16-bit MCU w/CAN, 256Kb Flash, 12Kb RAM - 16MHZ	99	MC9S12H256VPVE	SMD **868-6580**●	1,396.00	1,094.00	1,031.00

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS