

## Microcontrollers for Occupant Safety Systems

Part Number	ROM or EPROM (Bytes)	RAM (Bytes)	EEPROM (Bytes)	Timer	Serial	ADC	Package	Samples	MC
<b>M68HC05 Devices</b>									
68HC05B6	6k	176	256	16-bit 4 ch	SCI+	8-bit 8 ch	52 PLCC 56 SDIP 64 QFP	Now	Now
68HC05B16 68HC705B16	15K	352	256	16-bit 4 ch	SCI+	8-bit 8 ch	52 PLCC 56 SDIP 64 QFP	Now	Now
68HC05E6	6k	128	160	16-bit 2 ch RTI		8-bit 4 ch	44 QFP 28 SOIC	Now	Now
68HC05P6	4.5K	176		16-bit 2 ch	SIOP	8-bit 4 ch	28 DIP 28 SIOC	Now	Now
68HC805P18	–	192	8k + 128	16-bit 2 ch	SIOP	8-bit 4 ch	28 DIP 28 SIOC	Now	Now
68HC05PV8A 68HC805PV8	8k	192	128	15-bit 4 ch	None Vreg, HV I/O	8-bit 6 ch	28 SOIC	Now	Now
<b>M68HC08 Devices</b>									
68HC08AS32	32k	1024	512	16-bit 6 ch	SCI SPI BDLC	8-bit 8 ch	52 PLCC	Now	Now
68HC908AS60A	60k FLASH	2k	1k	16-bit 6 ch PIT	SCI SPI BDLC	8-bit 15 ch	52 PLCC, 64 QFP	Now	1H01
68HC08AZ32A	32k	1k	512	16-bit 6 ch PIT	SCI SPI MSCAN	8-bit 8 ch	64 QFP, 100 QFP	Now	1H01
68HC908AZ60A	60k FLASH	2k	1k	16-bit 8 ch	SCI SPI MSCAN	8-bit 15 ch	64 QFP	Now	1H01
<b>M68HC11 Devices</b>									
68HC11E9 68HC711E9	12k	512	512	16-bit 8 ch RTI, PA	SPI, SCI	8-bit 8 ch	52 PLCC, 64 QFP, 52 CLCC, 52LQFP	Now	Now
68HC11E20 68HC711E20	20k	768	512	16-bit 8 ch RTI, PA	SPI, SCI+	8-bit 8 ch	52 PLCC, 64 QFP, 52CLCC	Now	Now
68HC11K4	24k	768	640	16-bit 8 ch RTI, PA, 4 PWM	SPI, SCI+	8-bit 8 ch	84 PLCC 80 QFP	Now	Now
68HC11KS2 68HC711KS2	32k	1k	640	16-bit 8 ch RTI, PA	SPI+, SCI+	8-bit 8 ch	68 PLCC 80 QFP	Now	Now

Part Number	ROM or EPROM (Bytes)	RAM (Bytes)	EEPROM (Bytes)	Timer	Serial	ADC	Package	Samples	MC
<b>M68HC12 Devices</b>									
68HC912B32	32k FLASH	1k	768	16-bit 8 ch	SPI, SCI, BDLC	8-bit 8 ch	80 QFP	Now	Now
68HC12BE32	32k	1k	768	16-bit 8 ch ECT	SPI, SCI, BDLC	10-bit 8 ch	80 QFP	Now	Now
68HC912BC32	32k FLASH	1k	768	16-bit 8 ch	SPI, SCI, MSCAN	8-bit 10-bit 8 ch	80 QFP	Now	2H00
68HC12BC32	32k	1k	768	16-bit 8 ch	SPI, SCI, MSCAN	8-bit 8 ch	80 QFP	Now	-
<b>M•CORE™ Devices</b>									
MMC2103	64k FLASH	2k	0	16-bit 2 ch PWM, 4 ch DASM	QSPI, QSCI, SCI, BDLC, DSIM, CAN	10-bit 10 ch	100 QFP	Now	1H01

## Accelerometers for Occupant Safety Systems

Part number	Range	Sensitivity	Sensing direction	Package	Samples	Qual
PMMA2200D	+/- 50 g	40mV/g	X axis (lateral)	SOIC	Now	Complete
PMMA1200D	+/- 250 g	8mV/g	Z axis	SOIC	Now	Complete

## Pressure Sensors for Occupant Safety Systems

Part number	Max Pressure Rating	Full Scale Span V (Typ)	Sensitivity (mV/kPa)	Accuracy	Package	Samples	Qual
MPXA4115	115	4.59	45.9	+/- 1.5	8-pin surface mount SOP or DIP	Available now	Complete
MPX4250A	250	4.70	20	+/- 1.5	6-pin unibody, SOP	Available now	Complete

## SMARTMOS™ Standard Products for Occupant Safety Systems

Motorola P/N	Description	Package	Samples	MC Status
MC33199	ISO9141 Serial Link Driver (L & K line)	14-pin SO	Now	Now
MC33299	ISO9141 Serial Link Interface (K line)	8-pin SO, 8-pin DIP	Now	Now
MC33388	CAN Physical Interface	14-pin SO	Now	2Q99
MC33389	SBC - CAN system Basis Chip	20-pin HSOP, 28-pin SOW	3Q99	1H00
MC33390	J1850 Serial Link Transceiver	8-pin SO	Now	Now
MC33790	2-Channel DSI Physical interface for bus masters	16-pin SOIC	Now	Now
MC68HC55	2-Channel SPI to DSI protocol converter for bus masters	16-pin SOIC	Now	Now