

## MCU NEW PRODUCTS

All 68HC05 and 68HC705 products have a standard operating voltage range from 3 V to 5.5 V unless noted in Comments.  
 All 68HC05 and 68HC705 products have a standard operating temperature range from 0-70°C. Contact a Motorola Sales Office for availability of extended temperature versions.

Motorola Part Number	ROM/EROM (Bytes)	RAM (Bytes)	EEPROM (Bytes)	Timer	Serial	A/D	PWM	Display Drive	I/O	COP	Comments	Packages	Emulation Version	General * Samples	Documentation
68HC05C0	0	512		16-bit: (11C, 10C) MFT	SCI				18 i/o	✓	MUX or Non-MUX EBI (16-bit) 3 Chip Selects, KBI (8 pins) Programmable Pullups (8 pins) 1 High Current Pin (20 mA sink)	44 PLCC - FN 40 DIP - P 42 SDIP - B	N/A	3Q94	HC05C0GRS/D
68HC05C4A	4K	176		16-bit: (11C, 10C)	SPI SCI				24 i/o	✓	KBI (8 pins) 1 High Current Pin (5 mA sink) Mask Option Pullups	40 DIP - P 44 PLCC - FN 44 QFP - FB		2Q94	HC05C4AGRS/D
68HC05CC2	31.5K	928		8-bit: Pulse Accum MFT	I <sup>2</sup> C	1 ch (5-bit)	8 ch (6-bit)	OSD (127 Char ROM)	31 i/o		Closed Caption Television NTSC Data Slicer w/ int Sync Sep 32 MHz PLL 8 Open Drain I/O Pins	42 SDIP - B 40 DIP - P		3Q94	Contact Sales Office AN1058/D
68HC05CJ4	4K	224		16-bit: (11C, 10C) MFT	SPI SCI I <sup>2</sup> C				24 i/o	✓	I <sup>2</sup> C (Slave Only)	44 QFP - FB	705CJ4	3Q94	Contact Sales Office
68HC05J4	2K	64		MFT, RTI					15 i/o	✓	KBI (7 pins) 1 High Current Pin (8 mA) 2.2 V Operation	20 DIP - P 20 SOIC - DW		2Q94	Contact Sales Office
68HC05K3	920	64	32	MFT, RTI					10 i/o	✓	KBI (4 pins), Prog. Pulldowns (10 pins) 4 High Current Pins (8 mA sink) On-Chip Charge Pump 1.8 V Operating Voltage	16 DIP - P 16 SOIC - DW		2Q94	Contact Sales Office
68HC705B32	32K	528	255	16-bit: (21C, 20C)	SCI	8 ch (8-bit)	2 ch (8-bit)		32 i/o	✓		52 PLCC - FN 56 SDIP - B 64 QFP - FU	N/A	2Q94	Contact Sales Office AN1058/D
68HC705CJ4	4K	224		16-bit: (11C, 10C) MFT	SPI SCI I <sup>2</sup> C				29 i/o 3 i	✓	8 High Current Pins (10 mA sink) I <sup>2</sup> C (Slave Only)	44 QFP - FB 40 DIP - P	N/A	2Q94	Contact Sales Office
68HC705MC4	3.5K	176		16-bit: (21C or 11C, 10C) MFT, RTI	SCI	6 ch (8-bit)	2 hi sp (8-bit)		22 i/o	✓	1 8-Bit High Current Port (10 mA Source Pin, 20 mA Max/Port) One High Sink Current Pin (10 mA Sink) Low EMI Pinout Commutation Mux for PWM Industrial Motor Control	28 DIP - P 28 SOIC - DW	N/A	3Q94	Contact Sales Office AN1058/D
68HC705V8	12K	512	128	16-bit: (11C, 10C) MFT, RTI	SPI	16 ch (8-bit)	1 ch (6-bit)		22 i/o	✓	LVR, On-Chip Charge Pump MDLC (Message Datalink Control) 5 V Voltage Regulator KBI (16 pins)	56 SDIP - B	N/A	Now	HC705V8GRS/D AN1224/D AN1058/D
68HC705X32	32K	528	255	16-bit: (21C, 20C)	SCI	8 ch (8-bit)	2 ch (8-bit)		32 i/o	✓	CAN (Controller Area Network)	52 PLCC - FN 56 SDIP - B 64 QFP - FU	N/A	2Q94	Contact Sales Office AN1058/D

\* Dates subject to change. Call product marketer to verify dates.

E = EPROM or OTPROM  
EE = EEPROM