

68HC705 Family — 8-Bit

RAM (Bytes)	EPROM/OTP (Bytes)	EEPROM (Bytes)	Timer	I/O	Serial	A/D	PWM	COP	Operating Voltage (V)	Max Bus Freq. (MHz)	Temp.	Package	Digi-Key Part No.	Price Each			Motorola Part No.
														1	25	100	
352	15K	256	16-Bit, 2 IC, 2 OC	32	SCI	8-CH, 8-Bit	2-CH, 8-Bit	Y	3.3, 5.0	2.1	Comm.	52-PLCC	MC68HC705B16CFN-ND	11.61	9.36	8.58	MC68HC705B16CFN
352	15K	256	16-Bit, 2 IC, 2 OC	32	SCI	8-CH, 8-Bit	2-CH, 8-Bit	Y	3.3, 5.0	2.1	Comm.	64-QFP	MC68HC705B16CFU-ND	11.61	9.36	8.58	MC68HC705B16CFU
304	8K	—	16-Bit, 1 IC, 1 OC	31	SCI, SPI	—	—	Y	3.3, 5.0	4.0	Comm.	40-Dip	MC68HC705C8ACP-ND	7.90	5.93	5.73	MC68HC705C8ACP
304	8K	—	16-Bit, 1 IC, 1 OC	31	SCI, SPI	—	—	Y	3.3, 5.0	4.0	Comm.	44-PLCC	MC68HC705C8ACFN-ND	7.90	5.93	5.73	MC68HC705C8ACFN
304	8K	—	16-Bit, 1 IC, 1 OC	31	SCI, SPI	—	—	Y	3.3, 5.0	4.0	Comm.	44-QFP	MC68HC705C8ACFB-ND	7.90	5.93	5.73	MC68HC705C8ACFB
352	16K	—	16-Bit, 1 IC, 1 OC	31	SCI, SPI	—	—	Y	3.3, 5.0	2.1	Comm.	40-Dip	MC68HC705C9ACP-ND	9.90	7.18	6.59	MC68HC705C9ACP
352	16K	—	16-Bit, 1 IC, 1 OC	31	SCI, SPI	—	—	Y	3.3, 5.0	2.1	Comm.	44-PLCC	MC68HC705C9ACFN-ND	9.90	7.18	6.59	MC68HC705C9ACFN
352	16K	—	16-Bit, 1 IC, 1 OC	31	SCI, SPI	—	—	Y	3.3, 5.0	2.1	Comm.	44-QFP	MC68HC705C9ACFB-ND	9.90	7.18	6.59	MC68HC705C9ACFB
64	1.2K	—	MFT, RTI	14	—	—	—	Y	3.3, 5.0	4.0	Comm.	20-Dip	MC68HC705J1ACP-ND	2.54	2.11	1.85	MC68HC705J1ACP
64	1.2K	—	MFT, RTI	14	—	—	—	Y	3.3, 5.0	4.0	Comm.	20-SOIC	MC68HC705J1ACDW-ND	2.54	2.11	1.85	MC68HC705J1ACDW
64	1.2K	—	MFT, RTI	10	—	—	—	Y	3.3, 5.0	4.0	Comm.	16-Dip	MC68HC705K1CP-ND	1.68	1.40	1.26	MC68HC705K1CP
64	1.2K	—	MFT, RTI	10	—	—	—	Y	3.3, 5.0	4.0	Comm.	16-SOIC	MC68HC705K1CDW-ND	1.68	1.40	1.26	MC68HC705K1CDW
176	4.5K	—	16-Bit, 1 IC, 1 OC	21	SIOP	4-CH, 8-Bit	—	Y	3.3, 5.0	2.1	Comm.	28-Dip	MC68HC705P6ACP-ND	3.78	3.14	2.75	MC68HC705P6ACP
176	4.5K	—	16-Bit, 1 IC, 1 OC	21	SIOP	4-CH, 8-Bit	—	Y	3.3, 5.0	2.1	Comm.	28-SOIC	MC68HC705P6ACDW-ND	3.78	3.14	2.75	MC68HC705P6ACDW
192	3.75K	—	8-Bit	32	—	4-CH, 8-Bit	—	—	3.3, 5.0	2.1	Ind.	40-Dip	MC68HC705SR3CP-ND	12.15	9.79	8.98	MC68HC705SR3CP

B

68HC908 Family — 8-Bit

RAM (Bytes)	FLASH or OTP (Bytes)	EEPROM (Bytes)	Timer	I/O	Serial	A/D	PWM	COP	Operating Voltage (V)	Max Bus Freq. (MHz)	Temp.	Package	Digi-Key Part No.	Price Each			Motorola Part No.
														1	25	100	
128	1.5K Flash	—	2-CH, 16-Bit IC, OC or PWM	15	—	10-CH, 8-Bit	See Timer	Y	3.3, 5.0	8.0	Comm.	20-SOIC	MC68HC908JK1CDW-ND	2.50	2.08	1.82	MC68HC908JK1CDW
128	1.5K Flash	—	2-CH, 16-Bit IC, OC or PWM	15	—	10-CH, 8-Bit	See Timer	Y	3.3, 5.0	8.0	Comm.	20-Dip	MC68HC908JK1CP-ND	2.50	2.08	1.82	MC68HC908JK1CP
128	4K Flash	—	2-CH, 16-Bit IC, OC or PWM	15	—	10-CH, 8-Bit	See Timer	Y	3.3, 5.0	8.0	Comm.	20-SOIC	MC68HC908JK3CDW-ND	3.30	2.74	2.40	MC68HC908JK3CDW
128	4K Flash	—	2-CH, 16-Bit IC, OC or PWM	15	—	10-CH, 8-Bit	See Timer	Y	3.3, 5.0	8.0	Comm.	20-Dip	MC68HC908JK3CP-ND	3.30	2.74	2.40	MC68HC908JK3CP
1K	32K Flash	512	4-CH + 4-CH, 16-Bit IC, OC or PWM	51	SCI, SPI	8-CH, 8-Bit	See Timer	Y	5.0	8.0	Comm.	64-QFP	MC68HC908AB32CFU-ND	10.71	8.63	7.92	MC68HC908AB32CFU
128	4K Flash	—	2-CH, 16-Bit IC, OC or PWM	23	—	12-CH, 8-Bit	See Timer	Y	3.3, 5.0	8.0	Comm.	28-SOIC	MC68HC908JL3CDW-ND	4.20	3.15	3.05	MC68HC908JL3CDW
128	4K Flash	—	2-CH, 16-Bit IC, OC or PWM	23	—	12-CH, 8-Bit	See Timer	Y	3.0, 5.0	8.0	Comm.	28-Dip	MC68HC908JL3CP-ND	4.20	3.15	3.05	MC68HC908JL3CP
256	8K Flash	—	2-CH, 16-Bit IC, OC or PWM	Up to 37	USB	—	See Timer	Y	5.0	3.0	Comm.	20-SOIC	MC68HC908JB8ADW-ND	5.20	3.90	3.77	MC68HC908JB8ADW
512	32K Flash	—	Dual 2-CH, 16-Bit IC, OC or PWM	33	SCI, SPI	8-CH, 8-Bit	See Timer	Y	3.0, 5.0	8.0	Comm.	44-QFP	MC68HC908GP32CFB-ND	9.90	7.98	7.32	MC68HC908GP32CFB
512	32K Flash	—	Dual 2-CH, 16-Bit IC, OC or PWM	33	SCI, SPI	8-CH, 8-Bit	See Timer	Y	3.0, 5.0	8.0	Comm.	40-Dip	MC68HC908GP32CP-ND	9.90	7.98	7.32	MC68HC908GP32CP
192	8K Flash	—	2-CH, 16-Bit IC, OC or PWM	13	SCI	4-CH, 8-Bit	See Timer	Y	3.0, 5.0	8.0	Comm.	16-SOIC	MC68HC908KX8CDW-ND	5.40	4.05	3.92	MC68HC908KX8CDW
192	8K Flash	—	2-CH, 16-Bit IC, OC or PWM	13	SCI	4-CH, 8-Bit	See Timer	Y	3.0, 5.0	8.0	Comm.	16-Dip	MC68HC908KX8CP-ND	5.40	4.05	3.92	MC68HC908KX8CP
768	16K Flash	—	4-CH + 2-CH, 16-Bit IC, OC or PWM	44	SCI, SPI	10-CH, 10-Bit	See Timer +6-CH, 12-Bit	Y	5.0	8.0	Comm.	64-QFP	MC68HC908MR16CFU-ND	9.00	6.53	5.99	MC68HC908MR16CFU
768	32K Flash	—	4-CH + 2-CH, 16-Bit IC, OC or PWM	44	SCI, SPI	10-CH, 10-Bit	See Timer +6-CH, 12-Bit	Y	5.0	8.0	Comm.	64-QFP	MC68HC908MR32CFU-ND	10.89	8.78	8.05	MC68HC908MR32CFU
2K	60K Flash	1K	6-CH + 2-CH, 16-Bit IC, OC or PWM	45/50	SCI, SPI	15-CH, 8-Bit	—	Y	5.0	8.0	Comm.	52-PLCC	MC68HC908A560CFN-ND	18.61	16.26	14.30	MC68HC908A560CFN
2K	60K Flash	1K	6-CH + 2-CH, 16-Bit IC, OC or PWM	48	SCI, SPI	15-CH, 8-Bit	—	Y	5.0	8.0	Comm.	64-QFP	MC68HC908A260CFU-ND	18.61	16.26	14.30	MC68HC908A260CFU
2K	60K Flash	1K	6-CH + 2-CH, 16-Bit IC, OC, or PWM	48	SCI, SPI	15-CH, 8-Bit	—	Y	5.0	8.0	Comm.	64-QFP	MC68HC908A260MFU-ND	20.47	17.88	15.73	MC68HC908A260MFU
2K	60K Flash	1K	6-CH + 2-CH, 16-Bit IC, OC, or PWM	48	SCI, SPI	15-CH, 8-Bit	—	Y	5.0	8.0	Comm.	64-QFP	MC68HC908A260VFU-ND	19.54	17.07	15.01	MC68HC908A260VFU
128	4K Flash	—	2-CH, 16-Bit IC, OC, or PWM	Up to 15	—	10-CH, 8-Bit	See Timer	—	3.0, 5.0	8.0	—	20-SOIC	MC68HRC908JK3CDW-ND	3.96	2.74	2.40	MC68HRC908JK3CDW