

MICROCOMPUTERS FOR TELEVISION

Type	Memory size (byte)		PWM output	OSD (wordXline)	Package	Type No.	Correspond to one time PROM type name		
	ROM	RAM							
VS	8K	192	14×1, 6×8	18×2	52P4B	M37211M2-XXXSP	M37210E4-XXXSP		
	12K	256	14×1, 8×6	20×2	42P4B/42P2R	M37220M3-XXXSP/FP ★	M37221EF-XXXSP		
			14×1, 8×4	24×3	64P4B	M37202M3-XXXSP	M37202E3-XXXSP		
			14×1, 6×8	18×2	52P4B/64P6N	M37210M3-XXXSP/FP	M37210E4-XXXSP		
	16K	320	14×1, 8×10	24×3	64P4B/80P6N	M37102M8-XXXSP/FP	M37102E8-XXXSP/FP		
			14×1, 6×8	18×2	52P4B	M37210M4-XXXSP	M37210E4-XXXSP		
	24K	384	14×1, 8×10	24×3	64P4B/80P6N	M37201M6-XXXSP/FP	M37201E6-XXXSP/FP		
			14×1, 8×6	24×2	42P4B	M37221M6-XXXSP	M37221EF-XXXSP		
			14×1, 8×8		52P4B	M37212M6-XXXSP	M37212EF-XXXSP		
	32K	512	14×1, 8×4	24×3	64P4B	M37204M8-XXXSP	M37204E8-XXXSP		
48K	704	14×1, 8×10	24×3	M37204MC-XXXSP		M37204EC-XXXSP			
62K	960		24×3	M37207MF-XXXSP		M37207EF-XXXSP			
OSD	24K	320	—	40×3	52P4B	M37260M6-XXXSP	M37260E6-XXXSP		
CCD	8K	1152	6×6	34×4	52P4B	M37262M2-XXXSP	M37263E8-XXXSP		
	12K	1216				M37264M3-XXXSP	M37264E8-XXXSP		
	16K	896	8×7			M37267M4-XXXSP	M37267EE-XXXSP		
	24K	960				M37267M6-XXXSP	M37267EE-XXXSP		
	32K	1024				M37267M8-XXXSP	M37267EE-XXXSP		
	56K	1536	8×10		64P4B	M37266ME-XXXSP	M37266EE-XXXSP		
	60K	1024	8×8	40×16		M37270MF-XXXSP	M37270EF-XXXSP		
	60K	1024	8×7	40×16	52P4B	M37271MF-XXXSP ★	M37271EF-XXXSP ★		

MICROCOMPUTERS FOR AUTOMBILE

16-BIT Microcomputers for automobile

Type No.	Clock oscillation frequency (MHz)	Shortest instruction execution time (ns)	Memory size (byte)		I/O ports (number)	Function	Supply Voltage (V)	Operating temperature (°C)	Pin count SP/FP/J (number)
			ROM	RAM					
16-Bit Microcomputers 7790series	16	250	40K	1.28K Dual Port RAM128	60	5 lines of internal 16 bit timer. Two lines of UART (supports clock synchronous type). Dual port RAM internal 10 bit A-D converter, Four lines of PWM output, watchdog timer	4.5 to 5.5	-40 to 85	—/100/—
			External	External	33	16 lines of internal 16 bit timer, UART (supports clock synchronous type), Internal 10 bit A-D converter, Three lines of PWM output, watchdog timer			—/100/84
			32K	1.28K	59	13 lines of internal 16 bit timer, Two lines of UART (supports clock synchronous type), Internal 10 bit A-D converter, Two lines of PWM output, watchdog timer			
			56K	1.5K	58	14 lines of internal 16 bit timer, Two lines of UART (supports clock synchronous type), Internal 10 bit A-D converter Three lines of PWM output, watchdog timer			
	20	200	32K	1K	54	6 lines of internal 16 bit timer, Two lines of UART (supports clock synchronous type), Internal 10 bit A-D converter Four lines of PWM output (supports three phase motor control), watchdog timer			—/100/—
			16K	512	59	4 lines of internal 16 bit timer, Two lines of UART (supports clock synchronous type), Internal 10 bit A-D converter, Two lines of PWM output, watchdog timer			
			92K	3.25K	84	19 lines of internal 16 bit timer, UART (supports clock synchronous type), Internal 10 bit A-D converter, Four lines of PWM output, watchdog timer			—/136/—
	24	167	60K	2.5K	84	18 lines of internal 16 bit timer, Two lines of UART (supports clock synchronous type), Internal 10 bit A-D converter, Three lines of PWM output, watchdog timer			

* Please contact our office when you with to use a product listed above in order to control the engine.