

● Strengthen type for analog function

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)
	ROM	RAM				
Mask ROM	32K	1024	M37710M4BXXXFP	80P6N	4.5 to 5.5	-20 to 85
			M37710M4BXXXGP	80P6S		
			M37710M4LXXXFP	80P6N	2.7 to 5.5	-40 to 85
	60K	2048	M37710M8BXXXFP	80P6N	4.5 to 5.5	-20 to 85
			M37710M8LXXXHP	80P6D	2.7 to 5.5	-40 to 85
			M37710MFBXXXFP	80P6N	4.5 to 5.5	-20 to 85
One time PROM	32K	1024	M37710MFLXXXHP	80P6D	2.7 to 5.5	-40 to 85
			M37710E4BXXXFP	80P6N	4.5 to 5.5	-20 to 85
			M37710E4BXXXGP	80P6S	2.7 to 5.5	-40 to 85
	60K	2048	M37710E4LXXXFP	80P6N	4.5 to 5.5	-20 to 85
			M37710E8BXXXFP	80P6N	4.5 to 5.5	-20 to 85
			M37710E8LXXXHP	80P6D	2.7 to 5.5	-40 to 85
EPROM with window	32K	1024	M37710EFBXXXFP	80P6N	4.5 to 5.5	-20 to 85
			M37710EFLXXXHP	80P6D		
			M37710E4BFS	80D0	4.5 to 5.5	-20 to 85
	M37710E8BFS					
	120K	2048	M37710EFBFS			
	Flash memory	32K	1024	M37710F4BFP ★★	80P6N	
External ROM	—	2048	M37710S4BFP	80P6N		
			M37710S4LHP	80P6D	2.7 to 5.5	-40 to 85

※The EPROM version with window is provided for evaluation purpose.

● Built-in DMA controller type

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)
	ROM	RAM				
External ROM	-	512	M37720S1AFP	100P6S	4.5 to 5.5	-20 to 85
		1024	M37721S1BFP ★			
		1024	M37721S2BFP ★			

● Wide use ROMless type with RTP

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)
	ROM	RAM				
External ROM	-	2048	M37732S4AFP	80P6N	4.5 to 5.5	-20 to 85
			M37732S4BFP	80P6N	4.5 to 5.5	-20 to 85
			M37732S4LGP	80P6S	2.7 to 5.5	-40 to 85
			M37732S4LHP	80P6D	2.7 to 5.5	-40 to 85
			M37732S4BHP	80P6D	4.5 to 5.5	-20 to 85

● Built-in clock oscillator type

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)
	ROM	RAM				
Mask ROM	124K	3968	M37733MHBXXXFP ★	80P6N	4.5 to 5.5	-20 to 85
			M37735MHBXXXFP ★	80P6N	4.5 to 5.5	-20 to 85
			M37733MHLXXXHP ★	80P6D	2.7 to 5.5	-40 to 85
	60K	2048	M37735MHLXXXHP ★	80P6D	2.7 to 5.5	-40 to 85
			M37733M4BXXXFP ★★	80P6N	4.5 to 5.5	-20 to 85
			M37735M4BXXXFP ★★	80P6N	4.5 to 5.5	-20 to 85
One time PROM	32K	2048	M37733M4LXXXHP ★★	80P6D	2.7 to 5.5	-40 to 85
			M37735M4LXXXHP ★★	80P6D	2.7 to 5.5	-40 to 85
	124K	3968	M37733M8BXXXFP ★★	80P6N	4.5 to 5.5	-20 to 85
			M37735M8BXXXFP ★★	80P6N	4.5 to 5.5	-20 to 85
			M37733M8LXXXHP ★★	80P6D	2.7 to 5.5	-40 to 85
			M37735M8LXXXHP ★★	80P6D	2.7 to 5.5	-40 to 85
EPROM with window	124K	3968	M37733EHBXXXFP ★	80P6N	4.5 to 5.5	-20 to 85
			M37735EHBXXXFP ★	80P6N	4.5 to 5.5	-20 to 85
			M37733EHLXXXHP ★	80P6D	2.7 to 5.5	-40 to 85
ROMless	-	2048	M37735EHLXXXHP ★	80P6D	2.7 to 5.5	-40 to 85
			M37733EHBFS	80D0	4.5 to 5.5	-20 to 85
			M37735EHBFS	80D0	4.5 to 5.5	-20 to 85
ROMless	-	2048	M37733S4BFP	80P6N	4.5 to 5.5	-20 to 85
			M37735S4BFP	80P6N	4.5 to 5.5	-20 to 85
			M37733S4LHP	80P6D	2.7 to 5.5	-40 to 85
ROMless	-	2048	M37735S4LHP	80P6D	2.7 to 5.5	-40 to 85
			M37733S4LHP	80P6D	2.7 to 5.5	-40 to 85
			M37735S4LHP	80P6D	2.7 to 5.5	-40 to 85

● CPU core reinforcement type

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)
	ROM	RAM				
Mask ROM	32K	1024	M37751M4C-XXXFP	80P6N	4.5 to 5.5	-20 to 85
Mask ROM	48K	2048	M37751M6C-XXXFP	80P6N	4.5 to 5.5	-20 to 85
One time PROM			M37751E6C-XXXFP	80P6N		
EPROM with window			M37751E6CFS	80D0		
Flash memory			M37751F6CFP ★★	80P6N		
External ROM	-	3072	M37752S6CGP ★	100P6S	4.5 to 5.5	-20 to 85