

● Built-in LCD driver type

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)		
	ROM	RAM						
Mask ROM	20K	640	M37500M5-XXXFP	160P6E-A	2.5 to 5.5	-20 to 85		
			M37500M5-XXXGP	176P6D				
One time PROM			M37500E5-XXXFP	160P6E-A				
			M37500E5-XXXGP	176P6D				
Mask ROM	32K	1024	M37500M8-XXXFP	160P6E-A				
			M37500M8-XXXGP	176P6D				
One time PROM			M37500E8-XXXFP	160P6E-A				
			M37500E8-XXXGP	176P6D				
Mask ROM	24K	512	M37510M6-XXXFP	176P6D	2.5 to 5.5	-20 to 85		
One time PROM								M37510E6-XXXFP
Mask ROM	60K	2048	M37510M7-XXXFP	100P6S-A				
One time PROM								M37510E7-XXXFP
Mask ROM	20K	512	M37520M5-XXXFP	100P6S-A			2.5 to 5.5	-20 to 85
One time PROM	60K	2048	M37520E5-XXXFP	100P6S-A				
					M37520E5-XXXGP	100P6Q		
EPROM			M37520E5FS	100D0				
Mask ROM	8K	512	M38203M2LXXXFP	80P6N-A	2.2 to 5.5	-20 to 85		
				M38203M2LXXXGP			80P6S-A	
				M38203M2LXXXHP			80P6D-A	
		16K	512	M38203M4-XXXFP	80P6N-A	2.5 to 5.5	-20 to 85	
				M38203M4-XXXGP	80P6S-A			
				M38203M4-XXXHP	80P6D-A			
One time PROM			M38203M4LXXXFP	80P6N-A	2.2 to 5.5	-20 to 85		
			M38203M4LXXXGP	80P6S-A				
			M38203M4LXXXHP	80P6D-A				
EPROM			M38203M4DXXXFP	80P6N-A	3.0 to 5.5	-40 to 85		
Mask ROM	32K	1024	M38203E4-XXXFP	80P6N-A	2.5 to 5.5	-20 to 85		
				M38203E4-XXXGP			80P6S-A	
				M38203E4-XXXHP			80P6D-A	
	One time PROM			M38207M8-XXXFP	80P6N-A	2.5 to 5.5	-20 to 85	
				M38207M8-XXXGP	80P6S-A			
				M38207M8-XXXHP	80P6D-A			
EPROM			M38207M8DXXXFP	80P6N-A	3.0 to 5.5	-40 to 85		
			M38207M8DXXXGP	80P6S-A				
Mask ROM	8K	384	M38222M2-XXXFP	80P6N-A	2.5 to 5.5	-20 to 85		
				M38222M2-XXXGP			80P6S-A	
				M38222M2-XXXHP			80P6D-A	
	Mask ROM	16K	512	M38223M4-XXXFP	80P6N-A	3.0 to 5.5	-40 to 85	
					M38223M4-XXXGP			80P6S-A
					M38223M4-XXXHP			80P6D-A
			M38223M4DXXXFP	80P6N-A	3.0 to 5.5	-40 to 85		
			M38223M4MXXXFP	80P6N-A	2.2 to 5.5	-20 to 85		
			M38223M4MXXXHP	80P6D-A				
			M38224M6MXXXFP	80P6N-A				
			M38224M6MXXXGP	80P6S-A				
			M38224M6MXXXHP	80P6D-A				
One time PROM	16K	512	M38223E4-XXXFP	80P6N-A	2.5 to 5.5	-20 to 85		
				M38223E4-XXXGP			80P6S-A	
				M38223E4-XXXHP			80P6D-A	
EPROM	48K	1024	M38227EC-XXXFP	80P6N-A	2.5 to 5.5	-20 to 85		
				M38227EC-XXXHP			80P6D-A	
EPROM	16K	512	M38223E4FS	80D0	2.5 to 5.5	-20 to 85		
							M38227ECFS	

● Built-in LCD driver type (Continued)

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)
	ROM	RAM				
Mask ROM	16K	640	M38254M4-XXXFP	100P6S-A	2.5 to 5.5	-20 to 85
				M38254M4-XXXGP		
	24K	640	M38254M4D-XXXFP	100P6S-A	3.0 to 5.5	-40 to 85
				M38254M6-XXXFP	100P6S-A	2.5 to 5.5
		M38254M6-XXXGP	100P6D-A	2.5 to 5.5	-20 to 85	
		M38254M6DXXXFP	100P6S-A	3.0 to 5.5	-40 to 85	
One time PROM	32K	1024	M38257M8-XXXFP	100P6S-A	2.5 to 5.5	-20 to 85
				M38257M8-XXXGP		
			M38257M8DXXXFP	100P6S-A	3.0 to 5.5	-40 to 85
			M38257E8-XXXFP	100P6S-A	2.5 to 5.5	-20 to 85
		M38257E8-XXXGP	100P6D-A	2.5 to 5.5	-20 to 85	
EPROM			M38257E8FS	100D0		
Mask ROM	32K	1024	M38267M8LXXXFP	100P6S-A	2.2 to 5.5	-20 to 85
				M38267M8LXXXGP		
One time PROM	32K	1024	M38267E8-XXXFP	100P6S-A	2.2 to 5.5	-20 to 85
				M38267E8-XXXGP		
EPROM			M38267E8FS	100D0		

● Microcomputer for key-board control

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)	
	ROM	RAM					
Mask ROM	4K	4K	M3880BM1-XXXFP	84P6N-A	2.7 to 5.5	-20 to 85	
One time PROM							M3880BE1-XXXFP
Mask ROM	4K	384	M38802M1-XXXSP	64P4B	2.7 to 5.5	-20 to 85	
				M38802M1-XXXFP			64P6N-A
				M38802M1-XXXHP			64P6D-A
		8K	384	M38802M2-XXXSP	64P4B	2.7 to 5.5	-20 to 85
				M38802M2-XXXFP	64P6N-A		
				M38802M2-XXXHP	64P6D-A		
One time PROM			M38802E2-XXXSP	64P4B	2.7 to 5.5	-20 to 85	
			M38802E2-XXXFP	64P6N-A			
EPROM			M38802E2SS	64S1B			
			M38802E2FS	64D0			
Mask ROM	16K	512	M38813M4-XXXHP	64P6D-A	2.7 to 5.5	-20 to 85	
One time PROM							M38813E4-XXXHP
EPROM			M38813E4FS	64D0			
Mask ROM	32K	1024	M38867M8-XXXHP	80P6D-A	2.7 to 5.5	-20 to 85	
				M38867E8-XXXHP			80P6D-A
One time PROM			M38867E8FS	80D0			
EPROM			M38867E8FS	80D0			

● Built-in dual port RAM type

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)	
	ROM	RAM					
Mask ROM	8K	240	M38881M2-XXXSP	64P4B	4.5 to 5.5	-20 to 85	
				M38881M2-XXXFP			64P6N-A
				M38881M2-XXXGP			64P6S-A
One time PROM			M38881E2-XXXSP	64P4B	4.5 to 5.5	-20 to 85	
			M38881E2-XXXFP	64P6N-A			
EPROM			M38881E2-XXXGP	64P6S-A	4.5 to 5.5	-20 to 85	
			M38881E2SS	64S1B			
			M38881E2FS	64D0			

● High speed CPU type

Memory type	Memory size (byte)		Type No.	Package	Operating voltage range (V)	Operating temperature range (°C)	
	ROM	RAM					
Mask ROM	32K	1024	M37690M8-XXXFP	64P6N-A	2.5 to 5.5	-20 to 85	
One time PROM							M37690E8-XXXFP
EPROM							M37690E8FS