

Dynamic RAM Module

X6

Capacity	Type No.	Organiza- tion	Access Time	No. of Pins	Assembly (mm)			Comment														
					Height	Length	Width															
8M Bit	TH81070CS/CL-50/AS/AL-60/70/80	1M x 8	¹ RAC -50 : 50ns -60 : 60ns -70 : 70ns -80 : 80ns	30	15.24/17.52	88.90/76.50	5.08															
9M Bit	THM91070AS/AL-60/70/80	1M x 9		72	25.40	107.95																
16M Bit	THM161000CSG-50/ASG-60/70/80	1M x 16																				
18M Bit	THM181000ASG-60/70/80	1M x 18		30	20.45/20.45/20.60	88.90/88.90/76.50			8.89	Low THM84000AL												
32M Bit	THM84000CS/CSG/CL-50/AS/ASG/AL-60/70/80	4M x 8			72	12.64	76.50	5.08/2.54			SOJ/TSOP Module With OE											
	THM84020CL-50/AL-60/70/80	1M x 32		21.59		107.95																
	THM321000CS/CSG/CTS-CTSG-50			25.40																		
	THM321000AS/ASG/ATS/ATSG-60/70/80			21.59																		
33M Bit	THM321090CS-50/AS-60/70/80	1M x 32		30	20.45/20.45/20.60	88.90/88.90/81.20	8.89	Low THM94000AL														
36M Bit	THM331000AS-60/70/80	1M x 33			72	29.68			107.95	5.08	Single sided type of THM361020 SOJ/TSOP Module 1 inch height type of THM361000 x36 bit ECC Module											
	THM94000CS/CSG/CL-50/AS/ASG/AL-60/70/80	4M x 9		21.59																		
	THM94020CL-50/AL-60/70/80	1M x 36		25.40																		
	THM361000AS/ASG-60/70/80			25.40																		
	THM361020AS/ASG/ATS/ATSG-60/70/80					107.95																
	THM361010AS/ASG-60/70/80						8.89															
THM361070CS/CSG-50/AS/ASG-60/70/80	With OE																					
40M Bit		THM401000CSG-50/ASG-60/70/80		1M x 40	30			20.45	88.90	3.81	TSOP Module											
64M Bit		THM164020CSG-50/ASG-60/70/80		4M x 16		72						25.40	107.95	8.89	Single sided type of THM362020 x36 bit ECC Module							
		THM322020CS/CSG-50/AS/ASG-60/70/80		2M x 32			25.40															
	THM322080CS-50/AS-60/70/80	8M x 8		25.40																		
	THM88020CTS-50/ATS-60/70/80				4M x 18			2M x 36	8.89													
72M Bit	THM98020CTS-50/ATS-60/70/80	8M x 9				72					25.40	107.95	8.89									
	THM184020CSG-50/ASG-60/70/80	4M x 18					25.40															
	THM362020AS/ASG-60/70/80	2M x 36		25.40																		
	THM362040AS/ASG-60/70/80				8.89			Single sided type of THM362020 x36 bit ECC Module														
	THM362060CS/CSG-50/AS/ASG-60/70/80								2M x 40	25.40												
80M Bit	THM402020CSG-50/ASG-60/70/80					2M x 40					72	33.02	116.70									
128M Bit	THM324080CS/CSG-50/AS/ASG-60/70/80	4M x 32	72			22.86	107.95								5.08	2K refresh						
132M Bit	THM334080CS/CSG-50/AS/ASG-60/70/80	4M x 33		72	22.86												107.95	8.89/3.81	SOJ/TSOP Module			
144M Bit	THM364080CS/CSG-50/AS/ASG-60/70/80	4M x 36						72	22.86											107.95	8.89	2K refresh
128M Bit	THM324000S/SG-60/70/80	4M x 32								30												
	THM81620S/TS-60/70/80	16M x 8									72	25.40	107.95	8.89								
144M Bit	THM364020S/SG-60/70/80	4M x 36	30			17.78	107.95			8.89/3.81					SOJ/TSOP Module							
	THM91620S/TS-60/70/80	16M x 9		72	25.40						107.95	8.89	2K refresh									
160M Bit	THM404020SG-60/70/80	4M x 40	72			25.40	107.95	8.89	2K refresh													
256M Bit	THM328020S/SG-60/70/80	8M x 32		72	34.40					107.95	8.89	2K refresh										
288M Bit	THM368020S/SG-60/70/80	8M x 36											72	29.21	107.95	8.89	2K refresh					
320M Bit	THM408020SG-60/70/80	8M x 40	72	29.21	107.95	8.89	2K refresh															

Note 1) S: Socket Type (Tin-lead), SG: Socket Type (Gold), L: Lead Type

Note 2) TS/TS: TSOP type

Dynamic RAM Module (Small Outline DIMM)

X6

Capacity	Type No.	Organization	Access Time	No. of Pins	Assembly (mm)			Comment
					Height	Length	Width	
32M Bit	THL321010CTG/**CTS-5/ATG/ATS-6/7/8	1M x 32	¹ RAC -5 : 50ns -6 : 60ns -7 : 70ns -8 : 80ns	72	25.40	59.69	3.81	Low Power Version
	THL321010CTG/**CTS-5L/ATG/ATS-6L/7L/8L							3.3V Operation
	TH32V1010ATG/ATS-8							Low Power Version, 3.3V Operation
	THL32V1010ATG/ATS-8L							
	**THL321070ATG/ATS-6/7							3.3V Operation
	**THL32V1070ATG/ATS-7/8							
128M Bit	**THL324010TG/TS-6/7	4M x 32						3.3V Operation
	**THL32V4010BTG/BTS-6/7							

Note 1) **: Under development

Note 2) TS: Socket type (Tin-lead), TG: Socket type (Gold)

Note 3) TS/TG: TSOP type