

Siliconix

MIL-S-19500 Compliant Devices

Siliconix Part No.	Description
2N4856JAN	MIL-S-19500/385
2N4856JANTX	MIL-S-19500/385
2N4856JANTXV	MIL-S-19500/385
2N4857JAN	MIL-S-19500/385
2N4857JANTX	MIL-S-19500/385
2N4857JANTXV	MIL-S-19500/385
2N4858JAN	MIL-S-19500/385
2N4858JANTX	MIL-S-19500/385
2N4858JANTXV	MIL-S-19500/385
2N4859JAN	MIL-S-19500/385
2N4859JANTX	MIL-S-19500/385
2N4859JANTXV	MIL-S-19500/385
2N4860JAN	MIL-S-19500/385
2N4860JANTX	MIL-S-19500/385
2N4860JANTXV	MIL-S-19500/385
2N4861JAN	MIL-S-19500/385
2N4861JANTX	MIL-S-19500/385
2N4861JANTXV	MIL-S-19500/385
2N5114JAN	MIL-S-19500/476
2N5114JANTX	MIL-S-19500/476
2N5114JANTXV	MIL-S-19500/476
2N5115JAN	MIL-S-19500/476
2N5115JANTX	MIL-S-19500/476
2N5115JANTXV	MIL-S-19500/476
2N5116JAN	MIL-S-19500/476
2N5116JANTX	MIL-S-19500/476
2N5116JANTXV	MIL-S-19500/476
2N5545JANTX	MIL-S-19500/430
2N5545JANTXV	MIL-S-19500/430
2N5546JANTX	MIL-S-19500/430
2N5546JANTXV	MIL-S-19500/430

2N5547JANTX	MIL-S-19500/430
2N5547JANTXV	MIL-S-19500/430
2N6660JANTX	MIL-S-19500/547
2N6660JANTXV	MIL-S-19500/547
2N6661JAN	MIL-S-19500/547
2N6661JANTX	MIL-S-19500/547
2N6661JANTXV	MIL-S-19500/547
2N6849JANTX	MIL-S-19500/564
2N6849JANTXV	MIL-S-19500/564
2N6851JANTX	MIL-S-19500/564
2N6851JANTXV	MIL-S-19500/564
2N7224JANTX	MIL-S-19500/592
2N7224JANTXV	MIL-S-19500/592
2N7225JANTX	MIL-S-19500/592
2N7225JANTXV	MIL-S-19500/592
2N7227JANTX	MIL-S-19500/592
2N7227JANTXV	MIL-S-19500/592
2N7228JANTX	MIL-S-19500/592
2N7228JANTXV	MIL-S-19500/592

Quad N-Channel Enhancement-Mode Transistors

Siliconix Part No.	Description
MOD100B	4XNMOS 100V MOD Leads Down
MOD100C	4XNMOS 100V MOD Leads Up
MOD200B	4XNMOS 200V MOD Leads Down
MOD200C	4XNMOS 200V MOD Leads Up
MOD400B	4XNMOS 400V MOD Leads Down
MOD400C	4XNMOS 400V MOD Leads Up
MOD500B	4XNMOS 500V MOD Leads Down
MOD500C	4XNMOS 500V MOD Leads Up

N-Channel Enhancement-Mode Transistors, TO-254 Package

Siliconix Part No.	Description
2N7075	100V N-Ch TO-254
2N7076	200V N-Ch TO-254
2N7077	400V N-Ch TO-254
2N7078	500V N-Ch TO-254

P-Channel Enhancement-Mode Transistors, TO-254 Package

Siliconix Part No.	Description
2N7079	100V P-Ch TO-254
2N7080	200V P-Ch TO-254

N-Channel Enhancement-Mode Transistors, TO-257 Package

Siliconix Part No.	Description
2N7081	100V N-Ch TO-257
2N7082	200V N-Ch TO-257
2N7085	100V N-Ch TO-257
2N7086	200V N-Ch TO-257
2N7089	100V P-Ch TO-257
2N7090	200V P-Ch TO-257
2N7091	100V P-Ch TO-257
2N7092	200V P-Ch TO-257

Mil-M-38510/Mil-I-38535 Compliant Analog Switches

Siliconix Part No.	Description
JM38510/11101BCA	JANDG181BCA
JM38510/11101BCC	JANDG181BCC
JM38510/11101BIA	JANDG181BIA
JM38510/11101BIC	JANDG181BIC
JM38510/11101BXA	JANDG181BXA
JM38510/11101BXC	JANDG181BXC

JM38510/11102BCA	JANDG182BCA
JM38510/11102BCC	JANDG182BCC
JM38510/11102BIA	JANDG182BIA
JM38510/11102BIC	JANDG182BIC
JM38510/11102BXA	JANDG182BXA
JM38510/11102BXC	JANDG182BXC
JM38510/11103BEA	JANDG184BEA
JM38510/11103BEC	JANDG184BEC
JM38510/11103BXA	JANDG184BXA
JM38510/11103BXC	JANDG184BXC
JM38510/11104BEA	JANDG185BEA
JM38510/11104BEC	JANDG185BEC
JM38510/11104BXA	JANDG185BXA
JM38510/11104BXC	JANDG185BXC
JM38510/11105BCA	JANDG187BCA
JM38510/11105BCC	JANDG187BCC
JM38510/11105BIA	JANDG187BIA
JM38510/11105BIC	JANDG187BIC
JM38510/11105BXA	JANDG187BXA
JM38510/11105BXC	JANDG187BXC
JM38510/11106BCA	JANDG188BCA
JM38510/11106BCC	JANDG188BCC
JM38510/11106BIA	JANDG188BIA
JM38510/11106BIC	JANDG188BIC
JM38510/11106BXA	JANDG188BXA
JM38510/11106BXC	JANDG188BXC
JM38510/11107BEA	JANDG190BEA
JM38510/11107BEC	JANDG190BEC
JM38510/11107BXA	JANDG190BXA
JM38510/11107BXC	JANDG190BXC
JM38510/11108BEA	JANDG191BEA
JM38510/11108BEC	JANDG191BEC
JM38510/11108BXA	JANDG191BXA
JM38510/11108BXC	JANDG191BXC
JM38510/11601BCA	JANDG300BCA
JM38510/11601BIC	JANDG300BIC
JM38510/11602BCA	JANDG301BCA
JM38510/11602BIC	JANDG301BIC

JM38510/11603BCA	JANDG302BCA
JM38510/11604BCA	JANDG303BCA
JM38510/11605BCA	JANDG304BCA
JM38510/11605BIC	JANDG304BIC
JM38510/11606BCA	JANDG305BCA
JM38510/11606BIC	JANDG305BIC
JM38510/11607BCA	JANDG306BCA
JM38510/11608BCA	JANDG307BCA
JM38510/12301BCA	JANDG200BCA
JM38510/12301BIC	JANDG200BIC
JM38510/12302BEA	JANDG201BEA
JM38510/12302BEC	JANDG201ABEC

**Mil–Mil38510/Mil–I–38535
Compliant Analog Multiplexers**

Siliconix Part No.	Description
JM38510/19001BXC	JANDG506BXC
JM38510/19003BXC	JANDG507BXC
JM38510/19007BEA	JANDG508BEA
JM38510/19007BEC	JANDG508ABEC
JM38510/19008BEA	JANDG509BEA
JM38510/19008BEC	JANDG509ABEC

**Standard Military Drawing (SMD)
Compliant Devices Analog Switches**

Siliconix Part No.	Description
5962–8671602EA	DESC SMD DG271AK
5962–86716022A	DESC SMD DG271AZ
5962–8767301XA	DESC SMD DG180AL
5962–8767301CA	DESC SMD DG180AP
5962–8767301IA	DESC SMD DG180AA
5962–8976301M2A	DESC SMD DG403AZ
5962–8976301MEA	DESC SMD DG403AK
5962–89961012A	DESC SMD DG405AZ

5962–8996101EA	DESC SMD DG405AK
5962–90569012A	DESC SMD DG401AZ
5962–9056901EA	DESC SMD DG401AK
5962–9068901MEA	DESC SMD DG189AP
5962–9073101M2A	DESC SMD DG411AZ
5962–9073101MEA	DESC SMD DG411AK
5962–9073102M2A	DESC SMD DG412AZ
5962–9073102MEA	DESC SMD DG412AK
5962–9073103M2A	DESC SMD DG413AZ
5962–9073103MEA	DESC SMD DG413AK
5962–9073701MPA	DESC SMD DG417AK
5962–9073702MPA	DESC SMD DG418AK
5962–9073703MPA	DESC SMD DG419AK
5962–9075501MCA	DESC SMD Si9110AK
5962–9076401MEA	DESC SMD DG541AP
5962–9089101MEA	DESC SMD DG601AK
5962–9098301MCA	DESC SMD D469AAP
5962–9155201MEA	DESC SMD DG542AP
5962–9204101M2A	DESC SMD DG441AZ
5962–9204101MEA	DESC SMD DG441AK
5962–9204102M2A	DESC SMD DG442AZ
5962–9204102MEA	DESC SMD DG442AK
5962–9325501M2A	DESC SMD DG611AZ
5962–9325501MEA	DESC SMD DG611AK
5962–9325502M2A	DESC SMD DG612AZ
5962–9325502MEA	DESC SMD DG612AK
5962–9325503M2A	DESC SMD DG613AZ
5962–9325503MEA	DESC SMD DG613AK
77053012A	DESC SMD DG201AAZ
7705301EA	DESC SMD DG201AAK
7705301EC	DESC SMD DG201AAP
7705301FA	DESC SMD DG201AAL
7705301FC	DESC SMD DG201AAL
7801401CA	DESC SMD DG129AP
7801401XA	DESC SMD DG129AL

Standard Military Drawings (SMD) Compliant Devices Analog Multiplexers

Siliconix Part No.	Description
5962-8768901VA	DESC SMD528AK
5962-9204201M2A	DESC SMD DG408AZ
5962-9204201MEA	DESC SMD DG408AK
5962-9204202M2A	DESC SMD DG409AZ
5962-9204202MEA	DESC SMD DG409AK
7705201EA	DESC SMD DG508AAK
7705201EC	DESC SMD DG508AAP
7705201FA	DESC SMD DG508AAL

Siliconix Mil-STD-883B Rev C compliant Analog Switches

Siliconix Part No.	Description
DG129AP/883	Dual DPST JFET Analog Switch
DG180AA/883	Dual SPST 10-Ohm JFET Switch
DG180AP/883	Dual SPST 10-Ohm JFET Switch
DG181AA/883	Dual SPST 30-Ohm JFET Switch
DG181AP/883	Dual SPST 30-Ohm JFET Switch
DG182AA/883	Dual SPST 75-Ohm JFET Switch
DG182AP/883	Dual SPST 75-Ohm JFET Switch
DG183AP/883	Dual DPST 10-Ohm JFET Switch
DG184AP/883	Dual DPST 30-Ohm JFET Switch
DG185AP/883	Dual DPST 75-Ohm JFET Switch
DG186AA/883	Dual SPDT 10-Ohm JFET Switch
DG186AP/883	Dual SPDT 10-Ohm JFET Switch
DG187AA/883	Dual SPDT 30-Ohm JFET Switch
DG187AP/883	Dual SPDT 30-Ohm JFET Switch
DG188AA/883	Dual SPDT 75-Ohm JFET Switch
DG188AP/883	Dual SPDT 75-Ohm JFET Switch
DG189AP/883	Dual SPDT 10-Ohm JFET Switch
DG190AP/883	Dual SPDT 30-Ohm JFET Switch
DG191AP/883	Dual SPDT 75-Ohm JFET Switch
DG200AAA/883	Dual SPST CMOS Analog Switch
DG200AAK/883	Dual SPST CMOS Analog Switch
DG201AAK/883	Quad SPST CMOS Analog Switch
DG201AAZ/883	Quad SPST CMOS Analog Switch
DG201HSAK/883	Quad SPST High-Speed CMOS Analog Switch

DG201HSAZ/883	Quad SPST High-Speed CMOS Analog Switch
DG202AK/883	Quad DG201A with Inv. Logic
DG221AK/883	Quad SPSTCMOS Analog Switch with Latch
DG271AK/883	Quad SPST CMOS Analog Switch
DG271AZ/883	Quad SPST CMOS Analog Switch
DG300AAA/883	Mono SPST CMOS Analog Switch
DG300AAK/883	Mono SPST CMOS Analog Switch
DG301AAA/883	Mono SPST CMOS Analog Switch
DG301AAK/883	Mono SPDT CMOS Analog Switch
DG302AAK/883	Mono DPST CMOS Analog Switch
DG303AAK/883	Mono SPDT CMOS Analog Switch
DG303AAZ/883	Mono SPDT CMOS Analog Switch
DG304AAK/883	Mono SPST CMOS Analog Switch
DG304AAK/883	Mono SPST CMOS Analog Switch
DG304AAK/883	Mono SPST CMOS Analog Switch
DG306AAK/883	Mono DPST CMOS Analog Switch
DG307AAK/883	Mono SPDT CMOS Analog Switch
DG308AAK/883	Quad Mono SPST CMOS Analog Switch
DG384 AAK/883	Mono CMOS Analog Switch with TTL Input
DG387AAA/883	Mono CMOS Analog Switch with TTL Input
DG387AAK/883	Mono CMOS Analog Switch with TTL Input
DG390AAK/883	Mono CMOS Analog Switch with TTL Input
DG401AK/883	2SPST CMOS Analog Switch, High-Speed, Low-Power
DG401AZ/883	2SPST CMOS Analog Switch, High-Speed, Low-Power
DG403AK/883	2SPDT CMOS Analog Switch, High-Speed, Low-Power
DG403AZ/883	2SPDT CMOS Analog Switch, High-Speed, Low-Power
DG405AK/883	2DPST CMOS Analog Switch, High-Speed, Low-Power
DG405AZ/883	2DPST CMOS Analog Switch, High-Speed, Low-Power
DG411AK/883	Quad SPST CMOS Analog Switch, High-Speed, Low-Power
DG411AZ/883	Quad SPST CMOS Analog Switch High-Speedm Low-Power
DG412AK/883	Quad DG411with Inv.Logic, High-Speed, Low-Power
DG412AZ/883	Quad DG411 with Inv.Logic, High-Speed,Low-Power
DG413AK/883	Quad SPDT CMOS Analog Switch, High-Speed, Low-Power
DG413AZ/883	Quad SPDT CMOS Analog Switch, High-Speed, Low-Power
DG417AK/883	Mono SPST CMOS Analog Switch
DG418AK/883	Mono DG417 with Inv.Logic

DG303AAK/883	Mono SPDT CMOS Analog Switch
DG419AK/883	Mono SPDT CMOS Analog Switch
DG441AK/883	Quad SPST CMOS Analog Switch
DG442AK/883	Quad DG441 with Inv.Logic
DG601AK/883	Quad SPST CMOS Analog Switch,High-Speed
DG601AZ/883	Quad SPST CMOS Analog Switch,High-Speed
DG611AK/883	Low-Glitch DCMOS Blazing-Fast Analog Switch
DG611AZ/883	Low-Glitch DCMOS Blazing-Fast Analog Switch
DG612AK/883	Low-Glitch DCMOS Blazing-Fast Analog Switch
DG612AZ/883	Low-Glitch DCMOS Blazing-Fast Analog Switch
DG613AK/883	Low-Glitch DCMOS Blazing-Fast Analog Switch
DG613AZ/883	Low-Glitch DCMOS Blazing-Fast Analog Switch

Siliconix Mil-STD 883B Rev C Compliant Analog Multiplexers

Siliconix Part No.	Description
DG406AK/883	16-Channel CMOS Multiplexer
DG406AZ/883	16-Channel CMOS Multiplexer
DG407AK/883	Dual 8-Channel CMOS Diff. Multiplexer
DG407AZ/883	Dual 8-Channel CMOS Diff. Multiplexer
DG408AK/883	8-Channel CMOS Multiplexer
DG409AK/883	4-Channel CMOS Diff.Multiplexer
DG458AK/883	8 Channel OVP Multiplexer
DG458AZ/883	8-Channel Fault Protected Multiplexer
DG459AK/883	Dual 4-Channel OVP Multiplexer
DG459AZ/883	Differential 4-Channel Fault Protected Multiplexer
DG485AZ/883	Serial input Multiplexer
DG506AAK/883	16-Channel CMOS Analog Multiplexer
DG506AAZ/883	16-Channel CMOS Analog Multiplexer
DG507AAK/883	Dual 8-Channel CMOS Diff. Analog Multiplexer
DG507AAZ/883	Dual 8-Channel CMOS Diff. Analog Multiplexer
DG508AAK/883	8-Channel CMOS Analog Multiplexer
DG508AAZ/883	8-Channel CMOS Analog Multiplexer
DG509AAK/883	Dual 4-Channel CMOS Diff.Analog Multiplexer
DG509AAZ/883	Dual 4-Channel CMOS Diff.Analog Multiplexer
DG528AK/883	8-Channel Analog Multiplexer with Latches
DG529AK/883	Dual 4-Channel CMOS Diff. Analog Multiplexer with Latches

Siliconix Mil-STD 883B Compliant Video Multiplexers and Switches

Siliconix Part No.	Description
DG534AAP/883	4-Channel or Dual 2-Channel Wideband Video Multiplexer
DG535AP/883	16-Channel Wideband Video Multiplexer
DG536AM/883	16-Channel Wideband Video Multiplexer
DG538AAP/883	8-Channel or Dual 4-Channel Wideband Video Multiplexer
DG540AP/883	Mono 4XSPST Video Switch
DG541AP/883	Quad SPST Video Switch
DG542AP/883	Dual SPDT Video Switch
DG884AM/883	8X4 Wideband Video Crosspoint Array

Power IC Mil-STD 883 Rev C & Mil-Temp Range Compliant Devices

Siliconix Part No.	Description
D469AAP/883	Quad high-Current, High-Speed MOSFET Driver
Si9110AK/883	High-Voltage Switchmode Controller
Si9110AK	High-Voltage Switchmode Controller
Si8956AZ/883	20 V Quad N-CH Enhancement Mode

Analog Switches Mil Temp Range

Siliconix Part No.	Description
DG181AA	Dual SPST 30-Ohm JFET Switch
DG184AP	Dual DPST 30-Ohm JFET Switch
DG188AP	SPDT 75-Ohm JFET Switch
DG189AP	Dual SPDT 10-Ohm JFET Switch
DG190AP	Dual SPDT 30-Ohm JFET Switch
DG191AP	Dual SPDT 75-Ohm JFET Switch
DG200AAA	Dual SPST CMOS Analog Switch
DG200AAK	Dual SPST CMOS Analog Switch
DG201AAK	Quad SPST CMOS Analog Switch
DG202AK	Quad DG201 with Inv.Logic
DG300AAK	Mono Dual SPST CMOS Analog Switch
DG301AAA	Mono SPDT CMOS Analog Switch
DG302AAK	Dual DPST CMOS Analog Switch
DG303AAK	Dual SPDT CMOS Analog Switch
DG307AAK	Dual SPDT CMOS Analog Switch
DG390AAK	Mono CMOS Analog Switch TTL Input
DG403AK	Dual SPDT CMOS Analog switch

DG411AK	Quad SPST CMOS Analog Switch
DG412AK	DG411 with Inv.Logic
DG413AK	Quad SPDT CMOS Analog switch
DG419AK	Mono SPDT CMOS Analog Switch
DG441AK	Quad SPST CMOS Analog Switch
DG442AK	Mono Quad DG411 with Inv.Logic
DG601AK	Quad SPST , High-Speed CMOS Analog Switch

Analog Multiplexer Mil Temp Range

Siliconix Part No.	Description
DG408AK	8-Channel CMOS Analog Multiplexer
DG409AK	4-Channel CMOS Diff. Analog Multiplexer
DG506AAK	16-Channel CMOS Analog Multiplexer
DG507AAK	Dual 8-Channel CMOS Diff. Analog Multiplexer
DG508AAK	8-Channel CMOS Analog Multiplexer
DG509AAK	Dual 4-Channel CMOS Diff. Analog Multiplexer
DG528AK	8-Channel Analog Multiplexer with Latches

Video Switches Mil Temp Range

Siliconix Part No.	Description
DG541AP	Quad SPST Video Switch
DG542AP	Quad SPDT Video Switch

Siliconix Ruggedized Plastic Analog Switch

Siliconix Part No.
DG200ACJ-4
DG201ACJ-4
DG202CJ-4
DG211CJ-4
DG212CJ-4
DG271CJ-4
DG303ACJ-4
DG308ACJ-4
DG309ACJ-4
DG403DJ-4
DG405DJ-4
DG411DJ-4
DG412DJ-4
DG413DJ-4
DG417DJ-4
DG418DJ-4
DG419DJ-4
DG441DJ-4
DG442DJ-4
DG444DJ-4
DG445DJ-4

Siliconix Ruggedized Plastic Analog Multiplexers

Siliconix Part No.
DG408DJ-4
DG409DJ-4
DG506ACJ-4
DG507ACJ-4
DG508ACJ-4
DG509ACJ-4
DG528CJ-4

Siliconix Ruggedized Plastic Wideband Video Analog Multiplexers

Siliconix Part No.
DG535DJ-4

Siliconix Ruggedized Plastic Power IC's

Siliconix Part No.
D469ADJ-4
Si9110DJ-4

Military Conversion Table

JAN/JANTX/JANTXV

	JAN	JANTX	JANTXV	Specification	
These families are n-channel, depletion-mode, silicon JFET transistors and p-channel, depletion-mode, silicon JFET transistors.	JAN2N4856	JANTX2N4856	JANTXV2N4856	MIL-S-19500/385	
	JAN2N4857	JANTX2N4857	JANTXV2N4857	MIL-S-19500/385	
	JAN2N4858	JANTX2N4858	JANTXV2N4858	MIL-S-19500/385	
	JAN2N4859	JANTX2N4859	JANTXV2N4859	MIL-S-19500/385	
	JAN2N4860	JANTX2N4860	JANTXV2N4860	MIL-S-19500/385	
	JAN2N4861	JANTX2N4861	JANTXV2N4861	MIL-S-19500/385	
	JAN2N5114	JANTX2N5114	JANTXV2N5114	MIL-S-19500/476	
	JAN2N5115	JANTX2N5115	JANTXV2N5115	MIL-S-19500/476	
	JAN2N5116	JANTX2N5116	JANTXV2N5116	MIL-S-19500/476	
		JANTX2N5545	JANTXV2N5545	MIL-S-19500/430	
		JANTX2N5546	JANTXV2N5546	MIL-S-19500/430	
		JANTX2N5547	JANTXV2N5547	MIL-S-19500/430	
	These families are n-channel, enhancement-mode, silicon JFET transistors.	JAN2N6661	JANTX2N6660 JANTX2N6661	JANTXV2N6660 JANTXV2N6661	MIL-S-19500/547 MIL-S-19500/547

Conversion Table

	Original "DG" Part No.	JAN Part No.	Original "DG" Part No.	JAN Part No.
DG180 Series to MIL-M-38510 This family consists of silicon, break-before-make, multi-chip analog switches with drivers.	DG181AP/883	JM38510/11101BCC	DG187AP/883	JM38510/11105BCC
	DG181AP/883	JM38510/11101BCA	DG187AP/883	JM38510/11105BCA
	DG181AA/883	JM38510/11101BIC	DG187AA/883	JM38510/11105BIC
	DG181AA/883	JM38510/11101BIA	DG187AA/883	JM38510/11105BIA
	DG181AL/883	JM38510/11101BXA	DG187AL/883	JM38510/11105BXA
	DG182AP/883	JM38510/11102BCC	DG188AP/883	JM38510/11106BCC
	DG182AP/883	JM38510/11102BCA	DG188AP/883	JM38510/11106BCA
	DG182AA/883	JM38510/11102BIC	DG188AA/883	JM38510/11106BIC
	DG182AA/883	JM38510/11102BIA	DG188AA/883	JM38510/11106BIA
	DG182AL/883	JM38510/11102BXA	DG188AL/883	JM38510/11106BXA
	DG184AP/883	JM38510/11103BEC	DG190AP/883	JM38510/11107BEC
	DG184AP/883	JM38510/11103BEA	DG190AP/883	JM38510/11107BEA
	DG184AL/883	JM38510/11103BXA	DG190AL/883	JM38510/11107BXA
	DG185AP/883	JM38510/11104BEC	DG191AP/883	JM38510/11108BEC
	DG185AP/883	JM38510/11104BEA	DG191AP/883	JM38510/11108BEA
	DG185AL/883	JM38510/11104BXA	DG191AL/883	JM38510/11108BXA
	DG200 Series to MIL-M-38510 This family consists of monolithic, silicon, CMOS negative logic analog switches.	DG200AAP/883	JM38510/12301BCC	
DG200AAK/883		JM38510/12301BCA		
DG200AAA/883		JM38510/12301BIC		
DG200AAA/883		JM38510/12301BIA		
DG201AAP/883		JM38510/12302BCC		
DG201AAK/883		JM38510/12302BEA		
DG300 Series to MIL-M-38510 This family consists of silicon, CMOS, monolithic, analog switches with drivers.	DG300AAP/883	JM38510/11601BCC	DG304AAP/883	JM38510/11605BCC
	DG300AAK/883	JM38510/11601BCA	DG304AAK/883	JM38510/11605BCA
	DG300AAA/883	JM38510/11601BIA	DG304AAA/883	JM38510/11605BIA
	DG301AAP/883	JM38510/11602BCC	DG305AAP/883	JM38510/11606BCC
	DG301AAK/883	JM38510/11602BCA	DG305AAK/883	JM38510/11606BCA
	DG301AAA/883	JM38510/11602BIA	DG305AAA/883	JM38510/11606BIA
	DG302AAP/883	JM38510/11603BCC	DG306AAP/883	JM38510/11607BCC
	DG302AAK/883	JM38510/11603BCA	DG306AAK/883	JM38510/11607BCA
	DG303AAP/883	JM38510/11604BCC	DG307AAP/883	JM38510/11608BCC
	DG303AAK/883	JM38510/11604BCA	DG307AAK/883	JM38510/11608BCA
DG506 Series to MIL-M-38510 This family consists of monolithic, silicon, CMOS/analog logic microcircuit.	DG506AAR/883	JM38510/19001BXC		
	DG507AAR/883	JM38510/19003BXC		
	DG508AAP/883	JM38510/19007BEA		
	DG508AAP/883	JM38510/19007BEC		
	DG509AAP/883	JM38510/19008BEA		
	DG509AAP/883	JM38510/19008BEC		
	Basic "DG" Part No.	Standard Military Drawing Part No.	Basic "DG" Part No.	Standard Military Drawing Part No.
Standard Military Drawings The following analog switches and multiplexers consists of monolithic, silicon CMOS except for the DG180, DG189, and DG129 parts which are silicon, multichip with bipolar driver.	DG129AP	7801401CA	DG409AZ	5962-9204202M2A
	DG180AL	8767301AA	DG409AK	5962-9204202MEA
	DG180AP	8767301CA	DG411AZ	5962-9073101M2A
	DG180AA	8767301IA	DG411AK	5962-9073101MEA
	DG189AP	5962-9068901MEA	DG412AZ	5962-9073102M2A
	DG201AAZ	77053012A	DG412AK	5962-9073102MEA
	DG201AAK	7705301EA	DG413AZ	5962-9073103M2A
	DG201AAP	7705301EC	DG413AK	5962-9073103MEA
	DG201AAL	7705301FA	DG441AZ	5962-9204101M2A
	DG201AAL	7705301FC	DG441AK	5962-9204101MEA
	DG271AZ	5962-86716022A	DG442AZ	5962-9204102M2A
	DG271AK	5692-8671602EA	DG442AK	5962-9204102MEA
	DG401AZ	5962-90569012A	DG508AAP	7705201EA
	DG401AK	5962-9056901EA	DG508AAP	7705201EC
	DG403AZ	5962-8976301M2A	DG508AAL	7705201FA
	DG403AK	5692-8976301MEA	DG528AK	5962-8768901VA
	DG405AZ	5962-89961012A	DG541AP	5962-9076401MEA
	DG405AK	5962-8996101EA	DG542AP	5962-9155201MEA
	DG408AZ	5962-9204201M2A	DG601AK	5962-9089101MEA
	DG408AK	5962-9204201MEA	D469AAP	5962-9098301MEA

N-Channel Hermetic Packages and Industry-Standard Military MOSFETs

Maximum Ratings				Packages								Equivalent Commercial Part	QPL Product in Accordance With 19500/
$V_{(BR)DSS}$ (V)	$r_{DS(on)}$ (Ω)	I_D (A)	P_D (W)	Hermetic Power Module				TO-254 AA	Page	TO-257 AB	Page		
				Lead Bent Down	Page	Lead Bent Up	Page						
100	0.065	30	150					2N7075				IRFM150	
	0.075	20	60							2N7085		2N7085	
	0.08	21	150	MOD100B		MOD100C						MOD100B/C	
	0.081	34	150					2N7224				IRFM150	592
	0.15	13	50							2N7081		2N7081	
200	0.1	28	150					2N7076				IRFM250	
	0.105	27.4	150					2N7225				IRFM250	592
	0.11	21	150	MOD200B		MOD200C						MOD200B/C	
	0.16	14	60							2N7086		2N7086	
400	0.3	15	150					2N7077				IRFM350	
	0.35	15	150	MOD400B		MOD400C						MOD400B/C	
	0.415	14	150					2N7227				IRFM350	592
500	0.4	13	150					2N7078				IRFM450	
	0.43	13	150	MOD500B		MOD500C						MOD500B/C	
	0.515	12	150					2N7228				IRFM450	592
20	0.1	0.5	3	Quad		LCC-20		Si8956AZ/883					

P-Channel Hermetic Packages and Industry-Standard Military MOSFETs

Maximum Ratings				Packages						Equivalent Commercial Part	QPL Product in Accordance With 19500/
$V_{(BR)DSS}$ (V)	$r_{DS(on)}$ (Ω)	I_D (A)	P_D (W)	TO-205AF	Page	TO-254AA	Page	TO-257AB	Page		
-100	0.2	-14	70					2N7091		2N7091	
	0.21	-17	100			2N7079				2N7079	
	0.3	-6.5	25	2N6849						IRFF9130	564
	0.3	-10	60					2N7089		2N7089	
-200	0.5	-9.5	100			2N7080				2N7080	
	0.8	-5.7	60					2N7090		2N7090	
	0.8	-4	25	2N6851						IRFF9230	564

MATRA MHS

Standard Military Drawing (SMD)

SMD (DESC)	DESCRIPTION	CLOSEST MHS MIL P/N	PACKAGE
5962-3829409MXA	55ns 8Kx8 SRAM	HM1E-65764N/883	CDIL28 600 MILs
5962-3829409MYC	55ns 8Kx8 SRAM	HM4 -65764N/883	LCC32
5962-3829409MZA	55ns 8Kx8 SRAM	HM1 -65764N/883	CDIL28 300 MILs
5962-3829411MXA	45ns 8Kx8 SRAM	HM1E-65764M/883	CDIL28 600 MILs
5962-3829411MYC	45ns 8Kx8 SRAM	HM4 -65764M/883	LCC32
5962-3829411MZA	45ns 8Kx8 SRAM	HM1 -65764M/883	CDIL28 300 MILs
5962-3829413MXA	35ns 8Kx8 SRAM	HM1E-65764K/883	CDIL28 600 MILs
5962-3829413MYC	35ns 8Kx8 SRAM	HM4 -65764K/883	LCC32
5962-3829413MZA	35ns 8Kx8 SRAM	HM1 -65764K/883	CDIL28 300 MILs
5962-3829415MXA	25ns 8Kx8 SRAM	HM1E-65764H/883	CDIL28 600 MILs
5962-3829415MYC	25ns 8Kx8 SRAM	HM4 -65764H/883	LCC32
5962-3829415MZA	25ns 8Kx8 SRAM	HM1 -65764H/883	CDIL28 300 MILs
5962-3829417MXA	20ns 8Kx8 SRAM	HM1E-65764F/883	CDIL28 600 MILs
5962-3829417MYC	20ns 8Kx8 SRAM	HM4 -65764F/883	LCC32
5962-3829417MZA	20ns 8Kx8 SRAM	HM1 -65764F/883	CDIL28 300 MILs
5962-8506401MQA	8 Bit uC 128 Bytes RAM 12 MHZ	MD-80C31/883	CDIL40 600 MILs
5962-8506401MXC	8 Bit uC 128 Bytes RAM 12 MHZ	MR-80C31/883	LCC44
5962-8506402MQA	8Bit uC 4K Bytes ROM 12MHZ	MD-80C51xxx/883	CDIL40 600 MILs
5962-8506402MXC	8Bit uC 4K Bytes ROM 12MHZ	MR-80C51xxx/883	LCC44
5962-8506403MQA	8 Bit uC 128 Bytes RAM 16 MHZ	MD-80C31-1/883	CDIL40 600 MILs
5962-8506403MXC	8 Bit uC 128 Bytes RAM 16 MHZ	MR-80C31-1/883	LCC44
5962-8506404MQA	8Bit uC 4K Bytes ROM 16MHZ	MD-80C51xxx-1/883	CDIL40 600 MILs
5962-8506404MXC	8Bit uC 4K Bytes ROM 16MHZ	MR-80C51xxx-1/883	LCC44
5962-8601501YA	35ns 64Kx1 SRAM	HM1 -65787K/883	CDIL22 300 MILs
5962-8601503YA	45ns 64Kx1 SRAM	HM1 -65787M/883	CDIL22 300 MILs
5962-8601501ZC	35ns 64Kx1 SRAM	HM4 -65787K/883	LCC22
5962-8601503ZC	45ns 64Kx1 SRAM	HM4 -65787M/883	LCC22
5962-8601505YA	55ns 64Kx1 SRAM	HM1 -65787N/883	CDIL22 300 MILs
5962-8601505ZC	55ns 64Kx1 SRAM	HM4 -65787N/883	LCC22
5962-8601507YA	70ns 64Kx1 SRAM	HM1 -65787N/883	CDIL22 300 MILs
5962-8601507ZC	70ns 64Kx1 SRAM	HM4 -65787N/883	LCC22

SMD (DESC)	DESCRIPTION	CLOSEST MHS MIL P/N	PACKAGE
5962-8685914LA	55ns 16Kx4+OE SRAM	HM1 -65789N/883	CDIL24 300 MILs
5962-8685914UC	55ns 16Kx4+OE SRAM	HM4 -65789N/883	LCC28
5962-8685916LA	45ns 16Kx4+OE SRAM	HM1 -65789M/883	CDIL24 300 MILs
5962-8685916UC	45ns 16Kx4+OE SRAM	HM4 -65789M/883	LCC28
5962-8685918LA	35ns 16Kx4+OE SRAM	HM1 -65789K/883	CDIL24 300 MILs
5962-8685918UC	35ns 16Kx4+OE SRAM	HM4 -65789K/883	LCC28
5962-8685920YA	55ns 16Kx4 SRAM	HM1 -65788N/883	CDIL22 300 MILs
5962-8685920ZC	55ns 16Kx4 SRAM	HM4 -65788N/883	LCC22
5962-8685922YA	45ns 16Kx4 SRAM	HM1 -65788M/883	CDIL22 300 MILs
5962-8685922ZC	45ns 16Kx4 SRAM	HM4 -65788M/883	LCC22
5962-8685924YA	35ns 16Kx4 SRAM	HM1 -65788K/883	CDIL22 300 MILs
5962-8685924ZC	35ns 16Kx4 SRAM	HM4 -65788K/883	LCC22
5962-8687501XA	90ns 1Kx8 DPR MASTER 2mA	MM1K-67130L-55/883	CDIL48 600 MILs
5962-8687501YC	90ns 1Kx8 DPR MASTER 2mA	MM4K-67130L-55/883	LCC48
5962-8687502XA	70ns 1Kx8 DPR MASTER 2mA	MM1K-67130L-55/883	CDIL48 600 MILs
5962-8687502YC	70ns 1Kx8 DPR MASTER 2mA	MM4K-67130L-55/883	LCC48
5962-8687503XA	55ns 1Kx8 DPR MASTER 2mA	MM1K-67130L-55/883	CDIL48 600 MILs
5962-8687503YC	55ns 1Kx8 DPR MASTER 2mA	MM4K-67130L-55/883	LCC48
5962-8687504XA	45ns 1Kx8 DPR MASTER 2mA	MM1K-67130L-45/883	CDIL48 600 MILs
5962-8687504YC	45ns 1Kx8 DPR MASTER 2mA	MM4K-67130L-45/883	LCC48
5962-8687505XA	90ns 1Kx8 DPR MASTER 2mA	MM1K-67130L-55/883	CDIL48 600 MILs
5962-8687505YC	90ns 1Kx8 DPR MASTER 2mA	MM4K-67130L-55/883	LCC48
5962-8687506XA	70ns 1Kx8 DPR MASTER 2mA	MM1K-67130L-55/883	CDIL48 600 MILs
5962-8687506YC	70ns 1Kx8 DPR MASTER 2mA	MM4K-67130L-55/883	LCC48
5962-8687507XA	55ns 1Kx8 DPR MASTER 2mA	MM1K-67130L-55/883	CDIL48 600 MILs
5962-8687507YC	55ns 1Kx8 DPR MASTER 2mA	MM4K-67130L-55/883	LCC48
5962-8687508XA	45ns 1Kx8 DPR MASTER 2mA	MM1K-67130L-45/883	CDIL48 600 MILs
5962-8687508YC	45ns 1Kx8 DPR MASTER 2mA	MM4K-67130L-45/883	LCC48
5962-8687509XA	90ns 1Kx8 DPR SLAVE 2mA	MM1K-67140L-55/883	CDIL48 600 MILs
5962-8687509YC	90ns 1Kx8 DPR SLAVE 2mA	MM4K-67140L-55/883	LCC48
5962-8687510XA	70ns 1Kx8 DPR SLAVE 2mA	MM1K-67140L-55/883	CDIL48 600 MILs
5962-8687510YC	70ns 1Kx8 DPR SLAVE 2mA	MM4K-67140L-55/883	LCC48
5962-8687511XA	55ns 1Kx8 DPR SLAVE 2mA	MM1K-67140L-55/883	CDIL48 600 MILs
5962-8687511YC	55ns 1Kx8 DPR SLAVE 2mA	MM4K-67140L-55/883	LCC48
5962-8687512XA	45ns 1Kx8 DPR SLAVE 2mA	MM1K-67140L-45/883	CDIL48 600 MILs

SMD (DESC)	DESCRIPTION	CLOSEST MHS MIL P/N	PACKAGE
5962-8687512YC	45ns 1Kx8 DPR SLAVE 2mA	MM4K-67140L-45/883	LCC48
5962-8687513XA	90ns 1Kx8 DPR SLAVE 2mA	MM1K-67140L-55/883	CDIL48 600 MILs
5962-8687513YC	90ns 1Kx8 DPR SLAVE 2mA	MM4K-67140L-55/883	LCC48
5962-8687514XA	70ns 1Kx8 DPR SLAVE 2mA	MM1K-67140L-55/883	CDIL48 600 MILs
5962-8687514YC	70ns 1Kx8 DPR SLAVE 2mA	MM4K-67140L-55/883	LCC48
5962-8687515XA	55ns 1Kx8 DPR SLAVE 2mA	MM1K-67140L-55/883	CDIL48 600 MILs
5962-8687515YC	55ns 1Kx8 DPR SLAVE 2mA	MM4K-67140L-55/883	LCC48
5962-8687516XA	45ns 1Kx8 DPR SLAVE 2mA	MM1K-67140L-45/883	CDIL48 600 MILs
5962-8687516YC	45ns 1Kx8 DPR SLAVE 2mA	MM4K-67140L-45/883	LCC48
5962-8700201UC	45ns 2Kx8 DPR MASTER 2mA	MM4K-67132L-45/883	LCC48
5962-8700201ZA	45ns 2Kx8 DPR MASTER 2mA	MM1K-67132L-45/883	CDIL48 600 MILs
5962-8700202UC	90ns 2Kx8 DPR MASTER 2mA	MM4K-67132L-55/883	LCC48
5962-8700202ZA	90ns 2Kx8 DPR MASTER 2mA	MM1K-67132L-55/883	CDIL48 600 MILs
5962-8700203UC	70ns 2Kx8 DPR MASTER 2mA	MM4K-67132L-55/883	LCC48
5962-8700203ZA	70ns 2Kx8 DPR MASTER 2mA	MM1K-67132L-55/883	CDIL48 600 MILs
5962-8700204UC	55ns 2Kx8 DPR MASTER 2mA	MM4K-67132L-55/883	LCC48
5962-8700204ZA	55ns 2Kx8 DPR MASTER 2mA	MM1K-67132L-55/883	CDIL48 600 MILs
5962-8700205UC	45ns 2Kx8 DPR MASTER 2mA	MM4K-67132L-45/883	LCC48
5962-8700205ZA	45ns 2Kx8 DPR MASTER 2mA	MM1K-67132L-45/883	CDIL48 600 MILs
5962-8700206UC	90ns 2Kx8 DPR MASTER 2mA	MM4K-67132L-55/883	LCC48
5962-8700206ZA	90ns 2Kx8 DPR MASTER 2mA	MM1K-67132L-55/883	CDIL48 600 MILs
5962-8700207UC	70ns 2Kx8 DPR MASTER 2mA	MM4K-67132L-55/883	LCC48
5962-8700207ZA	70ns 2Kx8 DPR MASTER 2mA	MM1K-67132L-55/883	CDIL48 600 MILs
5962-8700208UC	55ns 2Kx8 DPR MASTER 2mA	MM4K-67132L-55/883	LCC48
5962-8700208ZA	55ns 2Kx8 DPR MASTER 2mA	MM1K-67132L-55/883	CDIL48 600 MILs
5962-8700209UC	45ns 2Kx8 DPR SLAVE 2mA	MM4K-67142L-45/883	LCC48
5962-8700209ZA	45ns 2Kx8 DPR SLAVE 2mA	MM1K-67142L-45/883	CDIL48 600 MILs
5962-8700210ZA	90ns 2Kx8 DPR SLAVE 2mA	MM1K-67142L-55/883	CDIL48 600 MILs
5962-8700210UC	90ns 2Kx8 DPR SLAVE 2mA	MM4K-67142L-55/883	LCC48
5962-8700211UC	70ns 2Kx8 DPR SLAVE 2mA	MM4K-67142L-55/883	LCC48
5962-8700211ZA	70ns 2Kx8 DPR SLAVE 2mA	MM1K-67142L-55/883	CDIL48 600 MILs
5962-8700212UC	55ns 2Kx8 DPR SLAVE 2mA	MM4K-67142L-55/883	LCC48
5962-8700212ZA	55ns 2Kx8 DPR SLAVE 2mA	MM1K-67142L-55/883	CDIL48 600 MILs
5962-8700213UC	45ns 2Kx8 DPR SLAVE 2mA	MM4K-67142L-45/883	LCC48
5962-8700213ZA	45ns 2Kx8 DPR SLAVE 2mA	MM1K-67142L-45/883	CDIL48 600 MILs
5962-8700214UC	90ns 2Kx8 DPR SLAVE 2mA	MM4K-67142L-55/883	LCC48

SMD (DESC)	DESCRIPTION	CLOSEST MHS MIL P/N	PACKAGE
5962-8700214ZA	90ns 2Kx8 DPR SLAVE 2mA	MM1K-67142L-55/883	CDIL48 600 MILs
5962-8700215UC	70ns 2Kx8 DPR SLAVE 2mA	MM4K-67142L-55/883	LCC48
5962-8700215ZA	70ns 2Kx8 DPR SLAVE 2mA	MM1K-67142L-55/883	CDIL48 600 MILs
5962-8700216UC	55ns 2Kx8 DPR SLAVE 2mA	MM4K-67142L-55/883	LCC48
5962-8700216ZA	55ns 2Kx8 DPR SLAVE 2mA	MM1K-67142L-55/883	CDIL48 600 MILs
5962-8753101TA	30ns 512X9 FIFO 800 μ A	MM1P-67201AL-30/883	CDIL28 300 MILs
5962-8753101YC	30ns 512X9 FIFO 800 μ A	MM4J-67201AL-30/883	LCC32
5962-8753102TA	50ns 512X9 FIFO 800 μ A	MM1P-67201AL-50/883	CDIL28 300 MILs
5962-8753102YC	50ns 512X9 FIFO 800 μ A	MM4J-67201AL-50/883	LCC32
5962-8753103TA	80ns 512X9 FIFO 800 μ A	MM1P-67201AL-50/883	CDIL28 300 MILs
5962-8753103YC	80ns 512X9 FIFO 800 μ A	MM4J-67201AL-50/883	LCC32
5962-8866201NA	100ns 32Kx8 SRAM	HM1 -65756N/883	CDIL28 300 MILs
5962-8866201UC	100ns 32Kx8 SRAM	HM4P-65756N/883	LCC28
5962-8866201XA	100ns 32Kx8 SRAM	HM1E-65756N/883	CDIL28 600 MILs
5962-8866201YC	100ns 32Kx8 SRAM	HM4J-65756N/883	LCC32
5962-8866202NA	70ns 32Kx8 SRAM	HM1 -65756N/883	CDIL28 300 MILs
5962-8866202UC	70ns 32Kx8 SRAM	HM4P-65756N/883	LCC28
5962-8866202XA	70ns 32Kx8 SRAM	HM1E-65756N/883	CDIL28 600 MILs
5962-8866202YC	70ns 32Kx8 SRAM	HM4J-65756N/883	LCC32
5962-8866203NA	55ns 32Kx8 SRAM	HM1 -65756N/883	CDIL28 300 MILs
5962-8866203UC	55ns 32Kx8 SRAM	HM4P-65756N/883	LCC28
5962-8866203XA	55ns 32Kx8 SRAM	HM1E-65756N/883	CDIL28 600 MILs
5962-8866203YC	55ns 32Kx8 SRAM	HM4J-65756N/883	LCC32
5962-8866204NA	45ns 32Kx8 SRAM	HM1 -65756M/883	CDIL28 300 MILs
5962-8866204UC	45ns 32Kx8 SRAM	HM4P-65756M/883	LCC28
5962-8866204XA	45ns 32Kx8 SRAM	HM1E-65756M/883	CDIL28 600 MILs
5962-8866204YC	45ns 32Kx8 SRAM	HM4J-65756M/883	LCC32
5962-8866205NA	35ns 32Kx8 SRAM	HM1 -65756K/883	CDIL28 300 MILs
5962-8866205UC	35ns 32Kx8 SRAM	HM4P-65756K/883	LCC28
5962-8866205XA	35ns 32Kx8 SRAM	HM1E-65756K/883	CDIL28 600 MILs
5962-8866205YC	35ns 32Kx8 SRAM	HM4J-65756K/883	LCC32
5962-8866206NA	25ns 32Kx8 SRAM	HM1 -65756H/883	CDIL28 300 MILs
5962-8866206UC	25ns 32Kx8 SRAM	HM4P-65756H/883	LCC28
5962-8866206XA	25ns 32Kx8 SRAM	HM1E-65756H/883	CDIL28 600 MILs
5962-8866206YC	25ns 32Kx8 SRAM	HM4J-65756H/883	LCC32

SMD (DESC)	DESCRIPTION	CLOSEST MHS MIL P/N	PACKAGE
5962-8866901XA	80ns 2048X9 FIFO 2 mA	MM1I-67203L-50/883	CDIL28 600 MILs
5962-8866901ZC	80ns 2048X9 FIFO 2 mA	MM4J-67203L-50/883	LCC32
5962-8866902XA	65ns 2048X9 FIFO 2 mA	MM1I-67203L-50/883	CDIL28 600 MILs
5962-8866902ZC	65ns 2048X9 FIFO 2 mA	MM4J-67203L-50/883	LCC32
5962-8866903XA	50ns 2048X9 FIFO 2 mA	MM1I-67203L-50/883	CDIL28 600 MILs
5962-8866903ZC	50ns 2048X9 FIFO 2 mA	MM4J-67203L-50/883	LCC32
5962-8866904XA	40ns 2048X9 FIFO 2 mA	MM1I-67203L-40/883	CDIL28 600 MILs
5962-8866904ZC	40ns 2048X9 FIFO 2 mA	MM4J-67203L-40/883	LCC32
5962-8866905XA	30ns 2048X9 FIFO 2 mA	MM1I-67203L-30/883	CDIL28 600 MILs
5962-8866905ZC	30ns 2048X9 FIFO 2 mA	MM4J-67203L-30/883	LCC32
5962-8868101LA	35ns 64Kx4 SRAM	HM1 -65798K/883	CDIL28 300 MILs
5962-8868102LA	45ns 64Kx4 SRAM	HM1 -65798M/883	CDIL28 300 MILs
5962-8868103LA	55ns 64Kx4 SRAM	HM1 -65798N/883	CDIL28 300 MILs
5962-8868104LA	75ns 64Kx4 SRAM	HM1 -65798N/883	CDIL28 300 MILs
5962-8872501LA	35ns 256Kx1 SRAM	HM1 -65797K/883	CDIL28 300 MILs
5962-8872502LA	45ns 256Kx1 SRAM	HM1 -65797M/883	CDIL28 300 MILs
5962-8872503LA	55ns 256Kx1 SRAM	HM1 -65797N/883	CDIL28 300 MILs
5962-8872504LA	75ns 256Kx1 SRAM	HM1 -65797N/883	CDIL28 300 MILs
5962-8872505LA	25ns 256Kx1 SRAM	HM1 -65797H/883	CDIL28 300 MILs
5962-8953601UC	120ns 1024X9 FIFO 800 μ A	MM4J-67202AL-50/883	LCC32
5962-8953601XA	120ns 1024X9 FIFO 800 μ A	MM1P-67202AL-50/883	CDIL28 300 MILs
5962-8953602UC	80ns 1024X9 FIFO 800 μ A	MM4J-67202AL-50/883	LCC32
5962-8953602XA	80ns 1024X9 FIFO 800 μ A	MM1P-67202AL-50/883	CDIL28 300 MILs
5962-8953603UC	65ns 1024X9 FIFO 800 μ A	MM4J-67202AL-50/883	LCC32
5962-8953603XA	65ns 1024X9 FIFO 800 μ A	MM1P-67202AL-50/883	CDIL28 300 MILs
5962-8953604UC	40ns 1024X9 FIFO 800 μ A	MM4J-67202AL-40/883	LCC32
5962-8953604XA	40ns 1024X9 FIFO 800 μ A	MM1P-67202AL-40/883	CDIL28 300 MILs
5962-8953605UC	30ns 1024X9 FIFO 800 μ A	MM4J-67202AL-30/883	LCC32
5962-8953605XA	30ns 1024X9 FIFO 800 μ A	MM1P-67202AL-30/883	CDIL28 300 MILs
5962-8956701XA	120ns 2048X9 FIFO 2 mA	MM1I-67203L-50/883	CDIL28 600 MILs
5962-8956701ZC	120ns 2048X9 FIFO 2 mA	MM4J-67203L-50/883	LCC32
5962-8956702XA	80ns 2048X9 FIFO 2 mA	MM1I-67203L-50/883	CDIL28 600 MILs
5962-8956702ZC	80ns 2048X9 FIFO 2 mA	MM4J-67203L-50/883	LCC32
5962-8956703XA	65ns 2048X9 FIFO 2 mA	MM1I-67203L-50/883	CDIL28 600 MILs

SMD (DESC)	DESCRIPTION	CLOSEST MHS MIL P/N	PACKAGE
5962-8956703ZC	65ns 2048X9 FIFO 2 mA	MM4J-67203L-50/883	LCC32
5962-8956704XA	50ns 2048X9 FIFO 2 mA	MM1I-67203L-50/883	CDIL28 600 MILs
5962-8956704ZC	50ns 2048X9 FIFO 2 mA	MM4J-67203L-50/883	LCC32
5962-8956705XA	40ns 2048X9 FIFO 2 mA	MM1I-67203L-40/883	CDIL28 600 MILs
5962-8956705ZC	40ns 2048X9 FIFO 2 mA	MM4J-67203L-40/883	LCC32
5962-8956801XA	120ns 4096X9 FIFO 2 mA	MM1I-67204L-50/883	CDIL28 600 MILs
5962-8956801ZC	120ns 4096X9 FIFO 2 mA	MM4J-67204L-50/883	LCC32
5962-8956802XA	80ns 4096X9 FIFO 2 mA	MM1I-67204L-50/883	CDIL28 600 MILs
5962-8956802ZC	80ns 4096X9 FIFO 2 mA	MM4J-67204L-50/883	LCC32
5962-8956803XA	65ns 4096X9 FIFO 2 mA	MM1I-67204L-50/883	CDIL28 600 MILs
5962-8956803ZC	65ns 4096X9 FIFO 2 mA	MM4J-67204L-50/883	LCC32
5962-8956804XA	50ns 4096X9 FIFO 2 mA	MM1I-67204L-50/883	CDIL28 600 MILs
5962-8956804ZC	50ns 4096X9 FIFO 2 mA	MM4J-67204L-50/883	LCC32
5962-8956805XA	40ns 4096X9 FIFO 2 mA	MM1I-67204L-40/883	CDIL28 600 MILs
5962-8956805ZC	40ns 4096X9 FIFO 2 mA	MM4J-67204L-40/883	LCC32
5962-8969202YA	25ns 16Kx4 SRAM	HM1 -65788H/883	CDIL22 300 MILs
5962-8969202ZC	25ns 16Kx4 SRAM	HM4 -65788H/883	LCC22
5962-8969204YA	20ns 16Kx4 SRAM	HM1 -65788F/883	CDIL22 300 MILs
5962-8969204ZC	20ns 16Kx4 SRAM	HM4 -65788F/883	LCC22
5962-8969601XA	25ns 64Kx1 SRAM	HM1 -65787H/883	CDIL22 300 MILs
5962-8971201XA	45ns 16Kx4+SEP I/O SRAM	HM1 -65790M/883	CDIL22 300 MILs
5962-8971201ZC	45ns 16Kx4+SEP I/O SRAM	HM4 -65790M/883	LCC22
5962-8971202XA	35ns 16Kx4+SEP I/O SRAM	HM1 -65790K/883	CDIL22 300 MILs
5962-8971202ZC	35ns 16Kx4+SEP I/O SRAM	HM4 -65790K/883	LCC22
5962-8971203XA	25ns 16Kx4+SEP I/O SRAM	HM1 -65790H/883	CDIL22 300 MILs
5962-8971203ZC	25ns 16Kx4+SEP I/O SRAM	HM4 -65790H/883	LCC22
5962-8971204XA	20ns 16Kx4+SEP I/O SRAM	HM1 -65790F/883	CDIL22 300 MILs
5962-8971204ZC	20ns 16Kx4+SEP I/O SRAM	HM4 -65790F/883	LCC22
5962-8986301YA	80ns 512X9 FIFO 800 μ A	MM1P-67201AL-50/883	CDIL28 300 MILs
5962-8986301ZC	80ns 512X9 FIFO 800 μ A	MM4J-67201AL-50/883	LCC32
5962-8986302YA	65ns 512X9 FIFO 800 μ A	MM1P-67201AL-50/883	CDIL28 300 MILs
5962-8986302ZC	65ns 512X9 FIFO 800 μ A	MM4J-67201AL-50/883	LCC32
5962-8986303YA	50ns 512X9 FIFO 800 μ A	MM1P-67201AL-50/883	CDIL28 300 MILs
5962-8986303ZC	50ns 512X9 FIFO 800 μ A	MM4J-67201AL-50/883	LCC32

SMD (DESC)	DESCRIPTION	CLOSEST MHS MIL P/N	PACKAGE
5962-8986304YA	40ns 512X9 FIFO 800 μ A	MM1P-67201AL-40/883	CDIL28 300 MILs
5962-8986304ZC	40ns 512X9 FIFO 800 μ A	MM4J-67201AL-40/883	LCC32
5962-8986305YA	30ns 512X9 FIFO 800 μ A	MM1P-67201AL-30/883	CDIL28 300 MILs
5962-8986305ZC	30ns 512X9 FIFO 800 μ A	MM4J-67201AL-30/883	LCC32
5962-8989202LA	25ns 16Kx4+OE SRAM	HM1 -65789H/883	CDIL24 300 MILs
5962-8989202YC	25ns 16Kx4+OE SRAM	HM4 -65789H/883	LCC28
5962-8989204LA	35ns 16Kx4+OE SRAM	HM1 -65789K/883	CDIL24 300 MILs
5962-8989204YC	35ns 16Kx4+OE SRAM	HM4 -65789K/883	LCC28
5962-9167701XA	80ns 8192X9 FIFO 4 mA	MM1I-67205L-50/883	CDIL28 600 MILs
5962-9167701ZC	80ns 8192X9 FIFO 4 mA	MM4J-67205L-50/883	LCC32
5962-9167702XA	50ns 8192X9 FIFO 4 mA	MM1I-67205L-50/883	CDIL28 600 MILs
5962-9167702ZC	50ns 8192X9 FIFO 4 mA	MM4J-67205L-50/883	LCC32

SRAMs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
16K SRAM			
85ns 50uA 2Kx8 SRAM	HM1 -65162		CDIL24 600 MILs
70ns 50uA 2Kx8 SRAM	HM1 -65162B		CDIL24 600 MILs
85ns 500uA 2Kx8 SRAM	HM1 -65162C		CDIL24 600 MILs
85ns 50uA 2Kx8 SRAM rad tol	HMC -65162E		SB24 600 MILs
70ns 50uA 2Kx8 SRAM rad tol	HMC -65162EB		SB24 600 MILs
85ns 50uA 2Kx8 SRAM	HM4 -65162		LCC32
70ns 50uA 2Kx8 SRAM	HM4 -65162B		LCC32
85ns 500uA 2Kx8 SRAM	HM4 -65162C		LCC32
85ns 50uA 2Kx8 SRAM rad tol	HM4 -65162E		LCC32
70ns 50uA 2Kx8 SRAM rad tol	HM4 -65162EB		LCC32
35ns 2Kx8 SRAM	HM1 -65728BK		CDIL24 300 MILs
45ns 2Kx8 SRAM	HM1 -65728BM		CDIL24 300 MILs
55ns 2Kx8 SRAM	HM1 -65728BN		CDIL24 300 MILs
35ns 2Kx8 SRAM	HM4 -65728BK		LCC32
45ns 2Kx8 SRAM	HM4 -65728BM		LCC32
55ns 2Kx8 SRAM	HM4 -65728BN		LCC32
85ns 50uA 16Kx1 SRAM	HM1 -65262		CDIL20 300 MILs
70ns 50uA 16Kx1 SRAM	HM1 -65262B		CDIL20 300 MILs
85ns 500uA 16Kx1 SRAM	HM1 -65262C		CDIL20 300 MILs
85ns 50uA 16Kx1 SRAM rad tol	HMC -65262E		SB20 600 MILs
70ns 50uA 16Kx1 SRAM rad tol	HMC -65262EB		SB20 600 MILs
85ns 50uA 16Kx1 SRAM	HM4 -65262		LCC20
70ns 50uA 16Kx1 SRAM	HM4 -65262B		LCC20
85ns 500uA 16Kx1 SRAM	HM4 -65262C		LCC20
85ns 50uA 16Kx1 SRAM rad tol	HM4 -65262E		LCC20
70ns 50uA 16Kx1 SRAM rad tol	HM4 -65262EB		LCC20
25ns 16Kx1 SRAM	HM1 -65767BH		CDIL20 300 MILs
35ns 16Kx1 SRAM	HM1 -65767BK		CDIL20 300 MILs
45ns 16Kx1 SRAM	HM1 -65767BM		CDIL20 300 MILs
55ns 16Kx1 SRAM	HM1 -65767BN		CDIL20 300 MILs
25ns 16Kx1 SRAM	HM4 -65767BH		LCC20
35ns 16Kx1 SRAM	HM4 -65767BK		LCC20

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
16K SRAM			
45ns 16Kx1 SRAM	HM4 -65767BM		LCC20
55ns 16Kx1 SRAM	HM4 -65767BN		LCC20
25ns 4Kx4 SRAM	HM1 -65768BH		CDIL20 300 MILs
35ns 4Kx4 SRAM	HM1 -65768BK		CDIL20 300 MILs
45ns 4Kx4 SRAM	HM1 -65768BM		CDIL20 300 MILs
55ns 4Kx4 SRAM	HM1 -65768BN		CDIL20 300 MILs
25ns 4Kx4 SRAM	HM4 -65768BH		LCC20
35ns 4Kx4 SRAM	HM4 -65768BK		LCC20
45ns 4Kx4 SRAM	HM4 -65768BM		LCC20
55ns 4Kx4 SRAM	HM4 -65768BN		LCC20
64K SRAM			
55ns 50uA 8Kx8 SRAM	HM1 -65664A		CDIL28 300 MILs
45ns 50uA 8Kx8 SRAM	HM1 -65664AB		CDIL28 300 MILs
55ns 500uA 8Kx8 SRAM	HM1 -65664AC		CDIL28 300 MILs
45ns 500uA 8Kx8 SRAM	HM1 -65664AS		CDIL28 300 MILs
55ns 50uA 8Kx8 SRAM rad tol	HMC -65664E		SB28 300 MILs
45ns 50uA 8Kx8 SRAM rad tol	HMC -65664EB		SB28 300 MILs
55ns 50uA 8Kx8 SRAM	HM1E-65664A		CDIL28 600 MILSs
45ns 50uA 8Kx8 SRAM	HM1E-65664AB		CDIL28 600 MILSs
55ns 500uA 8Kx8 SRAM	HM1E-65664AC		CDIL28 600 MILSs
45ns 500uA 8Kx8 SRAM	HM1E-65664AS		CDIL28 600 MILSs
55ns 50uA 8Kx8 SRAM rad tol	HMCE -65664E		SB28 600 MILs
45ns 50uA 8Kx8 SRAM rad tol	HMCE -65664EB		SB28 600 MILs
55ns 50uA 8Kx8 SRAM	HM4 -65664A		LCC32
45ns 50uA 8Kx8 SRAM	HM4 -65664AB		LCC32
55ns 500uA 8Kx8 SRAM	HM4 -65664AC		LCC32
45ns 500uA 8Kx8 SRAM	HM4 -65664AS		LCC32
55ns 50uA 8Kx8 SRAM rad tol	HM4 -65664E		LCC32
45ns 50uA 8Kx8 SRAM rad tol	HM4 -65664EB		LCC32
55ns 50uA 8Kx8 SRAM *	HMD -65664A		FP28 400MILs
45ns 50uA 8Kx8 SRAM *	HMD -65664AB		FP28 400MILs
55ns 500uA 8Kx8 SRAM *	HMD -65664AC		FP28 400MILs
45ns 500uA 8Kx8 SRAM *	HMD -65664AS		FP28 400MILs

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DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
64K SRAM			
55ns 50uA 8Kx8 SRAM rad tol	*	HMD -65664E	FP28 400MILs
45ns 50uA 8Kx8 SRAM rad tol	*	HMD -65664EB	FP28 400MILs
20ns 8Kx8 SRAM	HM1 -65764F	5962-3829417MZA	CDIL28 300MILs
25ns 8Kx8 SRAM	HM1 -65764H	5962-3829415MZA	CDIL28 300MILs
35ns 8Kx8 SRAM	HM1 -65764K	5962-3829413MZA	CDIL28 300MILs
45ns 8Kx8 SRAM	HM1 -65764M	5962-3829411MZA	CDIL28 300MILs
55ns 8Kx8 SRAM	HM1 -65764N	5962-3829409MZA	CDIL28 300MILs
20ns 8Kx8 SRAM	HM1E-65764F	5962-3829417MXA	CDIL28 600MILs
25ns 8Kx8 SRAM	HM1E-65764H	5962-3829415MXA	CDIL28 600MILs
35ns 8Kx8 SRAM	HM1E-65764K	5962-3829413MXA	CDIL28 600MILs
45ns 8Kx8 SRAM	HM1E-65764M	5962-3829411MXA	CDIL28 600MILs
55ns 8Kx8 SRAM	HM1E-65764N	5962-3829409MXA	CDIL28 600MILs
20ns 8Kx8 SRAM	HM4 -65764F	5962-3829417MYC	LCC 32
25ns 8Kx8 SRAM	HM4 -65764H	5962-3829415MYC	LCC 32
35ns 8Kx8 SRAM	HM4 -65764K	5962-3829413MYC	LCC 32
45ns 8Kx8 SRAM	HM4 -65764M	5962-3829411MYC	LCC 32
55ns 8Kx8 SRAM	HM4 -65764N	5962-3829409MYC	LCC 32
55ns 50uA 64Kx1 SRAM	HM1 -65687A		CDIL22 300 MILs
45ns 50uA 64Kx1 SRAM	HM1 -65687AB		CDIL22 300 MILs
55ns 500uA 64Kx1 SRAM	HM1 -65687AC		CDIL22 300 MILs
45ns 500uA 64Kx1 SRAM	HM1 -65687AS		CDIL22 300 MILs
55ns 50uA 64Kx1 SRAM rad tol	HMC -65687E		SB22 300 MILs
45ns 50uA 64Kx1 SRAM rad tol	HMC -65687EB		SB22 300 MILs
55ns 50uA 64Kx1 SRAM rad tol	HMCE -65687E		SB22 600 MILs
45ns 50uA 64Kx1 SRAM rad tol	HMCE -65687EB		SB22 600 MILs
55ns 50uA 64Kx1 SRAM	HM4 -65687A		LCC22
45ns 50uA 64Kx1 SRAM	HM4 -65687AB		LCC22
55ns 500uA 64Kx1 SRAM	HM4 -65687AC		LCC22
45ns 500uA 64Kx1 SRAM	HM4 -65687AS		LCC22
55ns 50uA 64Kx1 SRAM rad tol	HM4 -65687E		LCC22
45ns 50uA 64Kx1 SRAM rad tol	HM4 -65687EB		LCC22
55ns 50uA 64Kx1 SRAM	HMD -65687A		FP24 500 MILs
45ns 50uA 64Kx1 SRAM	HMD -65687AB		FP24 500 MILs
55ns 500uA 64Kx1 SRAM	HMD -65687AC		FP24 500 MILs

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DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
64K SRAM			
45ns 50uA 64Kx1 SRAM	HMD -65687AS		FP24 500 MILs
55ns 50uA 64Kx1 SRAM rad tol	HMD -65687E		FP24 500 MILs
45ns 50uA 64Kx1 SRAM rad tol	HMD -65687EB		FP24 500 MILs
20ns 64Kx1 SRAM	HM1 -65787F		CDIL22 300MILs
25ns 64Kx1 SRAM	HM1 -65787H	5962-8969601XA	CDIL22 300MILs
35ns 64Kx1 SRAM	HM1 -65787K	5962-8601501YA	CDIL22 300MILs
45ns 64Kx1 SRAM	HM1 -65787M	5962-8601503YA	CDIL22 300MILs
55ns 64Kx1 SRAM	HM1 -65787N	5962-8601505YA	CDIL22 300MILs
55ns 64Kx1 SRAM	HM1 -65787N	5962-8601507YA	CDIL22 300MILs
20ns 64Kx1 SRAM	HM4 -65787F		LCC22
25ns 64Kx1 SRAM	HM4 -65787H		LCC22
35ns 64Kx1 SRAM	HM4 -65787K	5962-8601501ZC	LCC22
45ns 64Kx1 SRAM	HM4 -65787M	5962-8601503ZC	LCC22
55ns 64Kx1 SRAM	HM4 -65787N	5962-8601505ZC	LCC22
55ns 64Kx1 SRAM	HM4 -65787N	5962-8601507ZC	LCC22
55ns 50uA 16Kx4 SRAM *	HM1 -65688A		CDIL22 300 MILs
45ns 50uA 16Kx4 SRAM *	HM1 -65688AB		CDIL22 300 MILs
55ns 50uA 16Kx4 SRAM *	HM1 -65688AC		CDIL22 300 MILs
45ns 50uA 16Kx4 SRAM *	HM1 -65688AS		CDIL22 300 MILs
55ns 50uA 16Kx4 SRAM *	HM4 -65688A		LCC22
45ns 50uA 16Kx4 SRAM *	HM4 -65688AB		LCC22
55ns 50uA 16Kx4 SRAM *	HM4 -65688AC		LCC22
45ns 50uA 16Kx4 SRAM *	HM4 -65688AS		LCC22
20ns 16Kx4 SRAM	HM1 -65788F	5962-8969204YA	CDIL22 300 MILs
25ns 16Kx4 SRAM	HM1 -65788H	5962-8969202YA	CDIL22 300 MILs
35ns 16Kx4 SRAM	HM1 -65788K	5962-8685924TA	CDIL22 300 MILs
45ns 16Kx4 SRAM	HM1 -65788M	5962-8685922TA	CDIL22 300 MILs
55ns 16Kx4 SRAM	HM1 -65788N	5962-8685920TA	CDIL22 300 MILs
20ns 16Kx4 SRAM	HM4 -65788F	5962-8969204ZC	LCC22
25ns 16Kx4 SRAM	HM4 -65788H	5962-8969202ZC	LCC22
35ns 16Kx4 SRAM	HM4 -65788K	5962-8685924ZC	LCC22
45ns 16Kx4 SRAM	HM4 -65788M	5962-8685922ZC	LCC22
55ns 16Kx4 SRAM	HM4 -65788N	5962-8685920ZC	LCC22

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DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
64K SRAM			
25ns 16Kx4+OE SRAM	HM1 -65789H	5962-8989202LA	CDIL24 300 MILs
35ns 16Kx4+OE SRAM	HM1 -65789K	5962-8989204LA	CDIL24 300 MILs
35ns 16Kx4+OE SRAM	HM1 -65789K	5962-8685918LA	CDIL24 300 MILs
45ns 16Kx4+OE SRAM	HM1 -65789M	5962-8685916LA	CDIL24 300 MILs
55ns 16Kx4+OE SRAM	HM1 -65789N	5962-8685914LA	CDIL24 300 MILs
25ns 16Kx4+OE SRAM	HM4 -65789H	5962-8989202YC	LCC28
35ns 16Kx4+OE SRAM	HM4 -65789K	5962-8685918UC	LCC28
35ns 16Kx4+OE SRAM	HM4 -65789K	5962-8989204YC	LCC28
45ns 16Kx4+OE SRAM	HM4 -65789M	5962-8685916UC	LCC28
55ns 16Kx4+OE SRAM	HM4 -65789N	5962-8685914UC	LCC28
20ns 16Kx4+SEP I/O SRAM	HM1 -65790F	5962-8971201XA	CDIL28 300 MILs
25ns 16Kx4+SEP I/O SRAM	HM1 -65790H	5962-8971202XA	CDIL28 300 MILs
35ns 16Kx4+SEP I/O SRAM	HM1 -65790K	5962-8971203XA	CDIL28 300 MILs
45ns 16Kx4+SEP I/O SRAM	HM1 -65790M	5962-8971204XA	CDIL28 300 MILs
55ns 16Kx4+SEP I/O SRAM	HM1 -65790N		CDIL28 300 MILs
20ns 16Kx4+SEP I/O SRAM	HM4 -65790F	5962-8971201ZC	LCC28
25ns 16Kx4+SEP I/O SRAM	HM4 -65790H	5962-8971202ZC	LCC28
35ns 16Kx4+SEP I/O SRAM	HM4 -65790K	5962-8971203ZC	LCC28
45ns 16Kx4+SEP I/O SRAM	HM4 -65790M	5962-8971204ZC	LCC28
55ns 16Kx4+SEP I/O SRAM	HM4 -65790N		LCC28
25ns 16Kx4 SEP I/O TW SRAM	HM1 -65791H		CDIL28 300 MILs
35ns 16Kx4 SEP I/O TW SRAM	HM1 -65791K		CDIL28 300 MILs
45ns 16Kx4 SEP I/O TW SRAM	HM1 -65791M		CDIL28 300 MILs
55ns 16Kx4 SEP I/O TW SRAM	HM1 -65791N		CDIL28 300 MILs
25ns 16Kx4 SEP I/O TW SRAM	HM4 -65791H		LCC28
35ns 16Kx4 SEP I/O TW SRAM	HM4 -65791K		LCC28
45ns 16Kx4 SEP I/O TW SRAM	HM4 -65791M		LCC28
55ns 16Kx4 SEP I/O TW SRAM	HM4 -65791N		LCC28
256K SRAM			
45ns 500uA 32Kx8 SRAM	MM1I-65656 L-55		CDIP28 600 MILs
55ns 500uA 32Kx8 SRAM	MM1I-65656 L-45		CDIP28 600 MILs
45ns 100uA 32Kx8 SRAM	MM1I-65656 V-55		CDIP28 600 MILs
55ns 100uA 32Kx8 SRAM	MM1I-65656 V-45		CDIP28 600 MILs
45ns 100uA 32Kx8 SRAM rad tol	MMCI-65656EV-55		SB28 600 MILs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
256K SRAM			
55ns 100uA 32Kx8 SRAM rad tol	MMCI-65656EV-45		SB28 600 MILs
45ns 500uA 32Kx8 SRAM	MMCP-65656 L-55		SB28 300 MILs
55ns 500uA 32Kx8 SRAM	MMCP-65656 L-45		SB28 300 MILs
45ns 100uA 32Kx8 SRAM	MMCP-65656 V-55		SB28 300 MILs
55ns 100uA 32Kx8 SRAM	MMCP-65656 V-45		SB28 300 MILs
45ns 100uA 32Kx8 SRAM rad tol	MMCP-65656EV-55		SB28 300 MILs
55ns 100uA 32Kx8 SRAM rad tol	MMCP-65656EV-45		SB28 300 MILs
45ns 500uA 32Kx8 SRAM	MMDP-65656 L-55		FP28 400 MILs
55ns 500uA 32Kx8 SRAM	MMDP-65656 L-45		FP28 400 MILs
45ns 100uA 32Kx8 SRAM	MMDP-65656 V-55		FP28 400 MILs
55ns 100uA 32Kx8 SRAM	MMDP-65656 V-45		FP28 400 MILs
45ns 100uA 32Kx8 SRAM rad tol	MMDP-65656EV-55		FP28 400 MILs
55ns 100uA 32Kx8 SRAM rad tol	MMDP-65656EV-45		FP28 400 MILs
25ns 32Kx8 SRAM	HM1 -65756H	5962-8866206NA	CDIL28 300MILs
35ns 32Kx8 SRAM	HM1 -65756K	5962-8866205NA	CDIL28 300MILs
45ns 32Kx8 SRAM	HM1 -65756M	5962-8866204NA	CDIL28 300MILs
55ns 32Kx8 SRAM	HM1 -65756N	5962-8866201NA	CDIL28 300MILs
55ns 32Kx8 SRAM	HM1 -65756N	5962-8866202NA	CDIL28 300MILs
55ns 32Kx8 SRAM	HM1 -65756N	5962-8866203NA	CDIL28 300MILs
25ns 32Kx8 SRAM	HM1E-65756H	5962-8866206XA	CDIL28 600MILs
35ns 32Kx8 SRAM	HM1E-65756K	5962-8866205XA	CDIL28 600MILs
45ns 32Kx8 SRAM	HM1E-65756M	5962-8866204XA	CDIL28 600MILs
55ns 32Kx8 SRAM	HM1E-65756N	5962-8866202XA	CDIL28 600MILs
55ns 32Kx8 SRAM	HM1E-65756N	5962-8866203XA	CDIL28 600MILs
55ns 32Kx8 SRAM	HM1E-65756N	5962-8866201XA	CDIL28 600MILs
25ns 32Kx8 SRAM	HM4J-65756H	5962-8866206YC	LCC32
35ns 32Kx8 SRAM	HM4J-65756K	5962-8866205YC	LCC32
45ns 32Kx8 SRAM	HM4J-65756M	5962-8866204YC	LCC32
55ns 32Kx8 SRAM	HM4J-65756N	5962-8866202YC	LCC32
55ns 32Kx8 SRAM	HM4J-65756N	5962-8866203YC	LCC32
55ns 32Kx8 SRAM	HM4J-65756N	5962-8866201YC	LCC32
25ns 32Kx8 SRAM	HM4P-65756H	5962-8866206UC	LCC 28
35ns 32Kx8 SRAM	HM4P-65756K	5962-8866205UC	LCC 28
45ns 32Kx8 SRAM	HM4P-65756M	5962-8866204UC	LCC 28
55ns 32Kx8 SRAM	HM4P-65756N	5962-8866203UC	LCC 28

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
256K SRAM			
55ns 32Kx8 SRAM	HM4P-65756N	5962-8866201UC	LCC 28
55ns 32Kx8 SRAM	HM4P-65756N	5962-8866202UC	LCC 28
45ns 500uA 256Kx1 SRAM	MMCZ-65697 L-45		SB24 300 MILs
55ns 500uA 256Kx1 SRAM	MMCZ-65697 L-55		SB24 300 MILs
45ns 100uA 256Kx1 SRAM	MMCZ-65697 V-45		SB24 300 MILs
55ns 100uA 256Kx1 SRAM	MMCZ-65697 V-55		SB24 300 MILs
45ns 100uA 256Kx1 SRAM rad tol	MMCZ-65697EV-45		SB24 300 MILs
55ns 100uA 256Kx1 SRAM rad tol	MMCZ-65697EV-55		SB24 300 MILs
45ns 500uA 256Kx1 SRAM	MMDP-65697 L-45		FP28 400 MILs
55ns 500uA 256Kx1 SRAM	MMDP-65697 L-55		FP28 400 MILs
45ns 100uA 256Kx1 SRAM	MMDP-65697 V-45		FP28 400 MILs
55ns 100uA 256Kx1 SRAM	MMDP-65697 V-55		FP28 400 MILs
45ns 100uA 256Kx1 SRAM rad tol	MMDP-65697EV-45		FP28 400 MILs
55ns 100uA 256Kx1 SRAM rad tol	MMDP-65697EV-55		FP28 400 MILs
25ns 256Kx1 SRAM	HM1 -65797H	5962-8872505LA	CDIL24 300 MILs
35ns 256Kx1 SRAM	HM1 -65797K	5962-8872501LA	CDIL24 300 MILs
45ns 256Kx1 SRAM	HM1 -65797M	5962-8872502LA	CDIL24 300 MILs
55ns 256Kx1 SRAM	HM1 -65797N	5962-8872503LA	CDIL24 300 MILs
55ns 256Kx1 SRAM	HM1 -65797N	5962-8872504LA	CDIL24 300 MILs
25ns 256Kx1 SRAM	HM4 -65797H		LCC28
35ns 256Kx1 SRAM	HM4 -65797K		LCC28
45ns 256Kx1 SRAM	HM4 -65797M		LCC28
55ns 256Kx1 SRAM	HM4 -65797N		LCC28
55ns 500uA 64Kx4 SRAM	* MMCZ-65698 L-55		SB24 300 MILs
45ns 500uA 64Kx4 SRAM	* MMCZ-65698 L-45		SB24 300 MILs
45ns 100uA 64Kx4 SRAM	* MMCZ-65698 V-55		SB24 300 MILs
55ns 100uA 64Kx4 SRAM	* MMCZ-65698 V-45		SB24 300 MILs
25ns 64Kx4+SEP I/O+TW SRAM	HM1 -65796H		CDIL28 300 MILs
35ns 64Kx4+SEP I/O+TW SRAM	HM1 -65796K		CDIL28 300 MILs
45ns 64Kx4+SEP I/O+TW SRAM	HM1 -65796M		CDIL28 300 MILs
55ns 64Kx4+SEP I/O+TW SRAM	HM1 -65796N		CDIL28 300 MILs
25ns 64Kx4+SEP I/O+TW SRAM	HM4 -65796H		LCC28

* please contact your sales office

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
256K SRAM			
35ns 64Kx4+SEP I/O+TW SRAM	HM4 -65796K		LCC28
45ns 64Kx4+SEP I/O+TW SRAM	HM4 -65796M		LCC28
55ns 64Kx4+SEP I/O+TW SRAM	HM4 -65796N		LCC28
25ns 64Kx4 SRAM	HM1 -65798H		CDIL24 300 MILs
35ns 64Kx4 SRAM	HM1 -65798K	5962-8868101LA	CDIL24 300 MILs
45ns 64Kx4 SRAM	HM1 -65798M	5962-8868102LA	CDIL24 300 MILs
55ns 64Kx4 SRAM	HM1 -65798N	5962-8868103LA	CDIL24 300 MILs
55ns 64Kx4 SRAM	HM1 -65798N	5962-8868104LA	CDIL24 300 MILs
25ns 64Kx4 SRAM	HM4 -65798H		LCC28
35ns 64Kx4 SRAM	HM4 -65798K		LCC28
45ns 64Kx4 SRAM	HM4 -65798M		LCC28
55ns 64Kx4 SRAM	HM4 -65798N		LCC28
25ns 64Kx4 OE SRAM	HM1 -65799H		CDIL28 300 MILs
35ns 64Kx4 OE SRAM	HM1 -65799K		CDIL28 300 MILs
45ns 64Kx4 OE SRAM	HM1 -65799M		CDIL28 300 MILs
55ns 64Kx4 OE SRAM	HM1 -65799N		CDIL28 300 MILs
25ns 64Kx4 OE SRAM	HM4 -65799H		LCC28
35ns 64Kx4 OE SRAM	HM4 -65799K		LCC28
45ns 64Kx4 OE SRAM	HM4 -65799M		LCC28
55ns 64Kx4 OE SRAM	HM4 -65799N		LCC28
1M SRAM			
25 ns 300µA 128Kx8 SRAM	MMCJ-65608 V-25		SB32 400 MILs
30 ns 300µA 128Kx8 SRAM	MMCJ-65608 V-30		SB32 400 MILs
35 ns 300µA 128Kx8 SRAM	MMCJ-65608 V-35		SB32 400 MILs
45 ns 300µA 128Kx8 SRAM	MMCJ-65608 V-45		SB32 400 MILs
25 ns 1mA 128Kx8 SRAM	MMCJ-65608 L-25		SB32 400 MILs
30 ns 1mA 128Kx8 SRAM	MMCJ-65608 L-30		SB32 400 MILs
35 ns 1mA 128Kx8 SRAM	MMCJ-65608 L-35		SB32 400 MILs
45 ns 1mA 128Kx8 SRAM	MMCJ-65608 L-45		SB32 400 MILs
35 ns 300µA 128Kx8 SRAM rad tol	* MMCJ-65608E V-35		SB32 400 MILs
45 ns 300µA 128Kx8 SRAM rad tol	* MMCJ-65608E V-45		SB32 400 MILs
25 ns 300µA 128Kx8 SRAM	MM4J-65608 V-25		LCC32
30 ns 300µA 128Kx8 SRAM	MM4J-65608 V-30		LCC32

* please contact your sales office

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
1M SRAM			
35 ns 300µA 128Kx8 SRAM	MM4J-65608 V-35		LCC32
45 ns 300µA 128Kx8 SRAM	MM4J-65608 V-45		LCC32
25 ns 1mA 128Kx8 SRAM	MM4J-65608 L-25		LCC32
30 ns 1mA 128Kx8 SRAM	MM4J-65608 L-30		LCC32
35 ns 1mA 128Kx8 SRAM	MM4J-65608 L-35		LCC32
45 ns 1mA 128Kx8 SRAM	MM4J-65608 L-45		LCC32
35 ns 300µA 128Kx8 SRAM rad tol *	MM4J-65608E V-35		LCC32
45 ns 300µA 128Kx8 SRAM rad tol *	MM4J-65608E V-45		LCC32
25 ns 300µA 128Kx8 SRAM	MMD1-65608 V-25		FP32 400 MILs
30 ns 300µA 128Kx8 SRAM	MMD1-65608 V-30		FP32 400 MILs
35 ns 300µA 128Kx8 SRAM	MMD1-65608 V-35		FP32 400 MILs
45 ns 300µA 128Kx8 SRAM	MMD1-65608 V-45		FP32 400 MILs
25 ns 1mA 128Kx8 SRAM	MMD1-65608 L-25		FP32 400 MILs
30 ns 1mA 128Kx8 SRAM	MMD1-65608 L-30		FP32 400 MILs
35 ns 1mA 128Kx8 SRAM	MMD1-65608 L-35		FP32 400 MILs
45 ns 1mA 128Kx8 SRAM	MMD1-65608 L-45		FP32 400 MILs
35 ns 300µA 128Kx8 SRAM rad tol *	MMD1-65608E V-35		FP32 400 MILs
45 ns 300µA 128Kx8 SRAM rad tol *	MMD1-65608E V-45		FP32 400 MILs
25 ns 300µA 1M SRAM	MMCJ-65601 V-25		SB32 400 MILs
30 ns 300µA 1M SRAM	MMCJ-65601 V-30		SB32 400 MILs
35 ns 300µA 1M SRAM	MMCJ-65601 V-35		SB32 400 MILs
45 ns 300µA 1M SRAM	MMCJ-65601 V-45		SB32 400 MILs
25 ns 1mA 1M SRAM	MMCJ-65601 L-25		SB32 400 MILs
30 ns 1mA 1M SRAM	MMCJ-65601 L-30		SB32 400 MILs
35 ns 1mA 1M SRAM	MMCJ-65601 L-35		SB32 400 MILs
45 ns 1mA 1M SRAM	MMCJ-65601 L-45		SB32 400 MILs
35 ns 300µA 1M SRAM rad tol *	MMCJ-65601EV-35		SB32 400 MILs
45 ns 300µA 1M SRAM rad tol *	MMCJ-65601EV-45		SB32 400 MILs
25 ns 300µA 1M SRAM	MM4J-65601 V-25		LCC32
30 ns 300µA 1M SRAM	MM4J-65601 V-30		LCC32
35 ns 300µA 1M SRAM	MM4J-65601 V-35		LCC32
45 ns 300µA 1M SRAM	MM4J-65601 V-45		LCC32
25 ns 1mA 1M SRAM	MM4J-65601 L-25		LCC32
30 ns 1mA 1M SRAM	MM4J-65601 L-30		LCC32
35 ns 1mA 1M SRAM	MM4J-65601 L-35		LCC32

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DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
1M SRAM			
45 ns 1mA 1M SRAM	MM4J-65601 L-45		LCC32
35 ns 300µA 1M SRAM rad tol *	MM4J-65601EV-35		LCC32
45 ns 300µA 1M SRAM rad tol *	MM4J-65601EV-45		LCC32
25 ns 300µA 1M SRAM	MMD1-65601 V-25		FP32 400 MILs
30 ns 300µA 1M SRAM	MMD1-65601 V-30		FP32 400 MILs
35 ns 300µA 1M SRAM	MMD1-65601 V-35		FP32 400 MILs
45 ns 300µA 1M SRAM	MMD1-65601 V-45		FP32 400 MILs
25 ns 1mA 1M SRAM	MMD1-65601 L-25		FP32 400 MILs
30 ns 1mA 1M SRAM	MMD1-65601 L-30		FP32 400 MILs
35 ns 1mA 1M SRAM	MMD1-65601 L-35		FP32 400 MILs
45 ns 1mA 1M SRAM	MMD1-65601 L-45		FP32 400 MILs
35 ns 300µA 1M SRAM rad tol *	MMD1-65601EV-35		FP32 400 MILs
45 ns 300µA 1M SRAM rad tol *	MMD1-65601EV-45		FP32 400 MILs
25 ns 300µA 256Kx4 SRAM *	MMCJ-65604 V-25		SB32 400 MILs
30 ns 300µA 256Kx4 SRAM *	MMCJ-65604 V-30		SB32 400 MILs
35 ns 300µA 256Kx4 SRAM *	MMCJ-65604 V-35		SB32 400 MILs
45 ns 300µA 256Kx4 SRAM *	MMCJ-65604 V-45		SB32 400 MILs
25 ns 1mA 256Kx4 SRAM *	MMCJ-65604 L-25		SB32 400 MILs
30 ns 1mA 256Kx4 SRAM *	MMCJ-65604 L-30		SB32 400 MILs
35 ns 1mA 256Kx4 SRAM *	MMCJ-65604 L-35		SB32 400 MILs
45 ns 1mA 256Kx4 SRAM *	MMCJ-65604 L-45		SB32 400 MILs
35 ns 300µA 256Kx4 SRAM rad tol *	MMCJ-65604EV-35		SB32 400 MILs
45 ns 300µA 256Kx4 SRAM rad tol *	MMCJ-65604EV-45		SB32 400 MILs
25 ns 300µA 256Kx4 SRAM *	MM4J-65604 V-25		LCC32
30 ns 300µA 256Kx4 SRAM *	MM4J-65604 V-30		LCC32
35 ns 300µA 256Kx4 SRAM *	MM4J-65604 V-35		LCC32
45 ns 300µA 256Kx4 SRAM *	MM4J-65604 V-45		LCC32
25 ns 1mA 256Kx4 SRAM *	MM4J-65604 L-25		LCC32
30 ns 1mA 256Kx4 SRAM *	MM4J-65604 L-30		LCC32
35 ns 1mA 256Kx4 SRAM *	MM4J-65604 L-35		LCC32
45 ns 1mA 256Kx4 SRAM *	MM4J-65604 L-45		LCC32
35 ns 300µA 256Kx4 SRAM rad tol *	MM4J-65604EV-35		LCC32
45 ns 300µA 256Kx4 SRAM rad tol *	MM4J-65604EV-45		LCC32
25 ns 300µA 256Kx4 SRAM *	MMD1-65604 V-25		FP32 400 MILs
30 ns 300µA 256Kx4 SRAM *	MMD1-65604 V-30		FP32 400 MILs

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DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
1M SRAM			
35 ns 300 μ A 256Kx4 SRAM	*	MMD1-65604 V-35	FP32 400 MILs
45 ns 300 μ A 256Kx4 SRAM	*	MMD1-65604 V-45	FP32 400 MILs
25 ns 1mA 256Kx4 SRAM	*	MMD1-65604 L-25	FP32 400 MILs
30 ns 1mA 256Kx4 SRAM	*	MMD1-65604 L-30	FP32 400 MILs
35 ns 1mA 256Kx4 SRAM	*	MMD1-65604 L-35	FP32 400 MILs
45 ns 1mA 256Kx4 SRAM	*	MMD1-65604 L-45	FP32 400 MILs
35 ns 300 μ A 256Kx4 SRAM rad tol	*	MMD1-65604EV-35	FP32 400 MILs
45 ns 300 μ A 256Kx4 SRAM rad tol	*	MMD1-65604EV-45	FP32 400 MILs

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SYNCHRONOUS CACHE RAMs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
33 ns synchronous 16Kx16 SRAM	MQ-90C157-33		CQP152
24 ns synchronous 16Kx16 SRAM	MQ-90C157-24		CQP152
20 ns synchronous 16Kx16 SRAM	MQ-90C157-20		CQP152
18 ns synchronous 16Kx16 SRAM	MQ-90C157-18		CQP152

Dual Port RAMs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
1Kx8 DPR			
45ns 1Kx8 DPR MASTER 2mA	MM1K-67130 L-45	5962-8687504XA	CDIL48 600MILs
45ns 1Kx8 DPR MASTER 2mA	MM1K-67130 L-45	5962-8687508XA	CDIL48 600MILs
55ns 1Kx8 DPR MASTER 2mA	MM1K-67130 L-55	5962-8687501XA	CDIL48 600MILs
55ns 1Kx8 DPR MASTER 2mA	MM1K-67130 L-55	5962-8687502XA	CDIL48 600MILs
55ns 1Kx8 DPR MASTER 2mA	MM1K-67130 L-55	5962-8687503XA	CDIL48 600MILs
55ns 1Kx8 DPR MASTER 2mA	MM1K-67130 L-55	5962-8687505XA	CDIL48 600MILs
55ns 1Kx8 DPR MASTER 2mA	MM1K-67130 L-55	5962-8687506XA	CDIL48 600MILs
55ns 1Kx8 DPR MASTER 2mA	MM1K-67130 L-55	5962-8687507XA	CDIL48 600MILs
45ns 1Kx8 DPR MASTER 200µA	MM1K-67130 V-45		CDIL48 600MILs
55ns 1Kx8 DPR MASTER 200µA	MM1K-67130 V-55		CDIL48 600MILs
45ns 1Kx8 DPR MASTER 2mA	MM4K-67130 L-45	5962-8687504YC	LCC48
45ns 1Kx8 DPR MASTER 2mA	MM4K-67130 L-45	5962-8687508YC	LCC48
55ns 1Kx8 DPR MASTER 2mA	MM4K-67130 L-55	5962-8687501YC	LCC48
55ns 1Kx8 DPR MASTER 2mA	MM4K-67130 L-55	5962-8687502YC	LCC48
55ns 1Kx8 DPR MASTER 2mA	MM4K-67130 L-55	5962-8687503YC	LCC48
55ns 1Kx8 DPR MASTER 2mA	MM4K-67130 L-55	5962-8687505YC	LCC48
55ns 1Kx8 DPR MASTER 2mA	MM4K-67130 L-55	5962-8687506YC	LCC48
55ns 1Kx8 DPR MASTER 2mA	MM4K-67130 L-55	5962-8687507YC	LCC48
45ns 1Kx8 DPR MASTER 200µA	MM4K-67130 V-45		LCC48
55ns 1Kx8 DPR MASTER 200µA	MM4K-67130 V-55		LCC48
45ns 1Kx8 DPR MASTER 200µA rad tol	MM4K-67130EV-45		LCC48
55ns 1Kx8 DPR MASTER 200µA rad tol	MM4K-67130EV-55		LCC48
45ns 1Kx8 DPR MASTER 200µA rad tol	MMCK-67130EV-45		SB48 600MILs
55ns 1Kx8 DPR MASTER 200µA rad tol	MMCK-67130EV-55		SB48 600MILs
45ns 1Kx8 DPR MASTER 2mA	MMDK-67130 L-45		FP48 400 MILs
55ns 1Kx8 DPR MASTER 2mA	MMDK-67130 L-55		FP48 400 MILs
45ns 1Kx8 DPR MASTER 200µA	MMDK-67130 V-45		FP48 400 MILs
55ns 1Kx8 DPR MASTER 200µA	MMDK-67130 V-55		FP48 400 MILs
45ns 1Kx8 DPR MASTER 200µA rad tol	MMDK-67130EV-45		FP48 400 MILs
55ns 1Kx8 DPR MASTER 200µA rad tol	MMDK-67130EV-55		FP48 400 MILs
45ns 1Kx8 DPR MASTER 2mA	MMQ3-67130 L-45		CQPJ52
55ns 1Kx8 DPR MASTER 2mA	MMQ3-67130 L-55		CQPJ52
45ns 1Kx8 DPR MASTER 200µA	MMQ3-67130 V-45		CQPJ52
55ns 1Kx8 DPR MASTER 200µA	MMQ3-67130 V-55		CQPJ52

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
1Kx8 DPR			
45ns 1Kx8 DPR SLAVE 2mA	MM1K-67140 L-45	5962-8687512XA	CDIL48 600MILs
45ns 1Kx8 DPR SLAVE 2mA	MM1K-67140 L-45	5962-8687516XA	CDIL48 600MILs
55ns 1Kx8 DPR SLAVE 2mA	MM1K-67140 L-55	5962-8687509XA	CDIL48 600MILs
55ns 1Kx8 DPR SLAVE 2mA	MM1K-67140 L-55	5962-8687510XA	CDIL48 600MILs
55ns 1Kx8 DPR SLAVE 2mA	MM1K-67140 L-55	5962-8687511XA	CDIL48 600MILs
55ns 1Kx8 DPR SLAVE 2mA	MM1K-67140 L-55	5962-8687513XA	CDIL48 600MILs
55ns 1Kx8 DPR SLAVE 2mA	MM1K-67140 L-55	5962-8687514XA	CDIL48 600MILs
55ns 1Kx8 DPR SLAVE 2mA	MM1K-67140 L-55	5962-8687515XA	CDIL48 600MILs
45ns 1Kx8 DPR SLAVE 200µA	MM1K-67140 V-45		CDIL48 600MILs
55ns 1Kx8 DPR SLAVE 200µA	MM1K-67140 V-55		CDIL48 600MILs
45ns 1Kx8 DPR SLAVE 2mA	MM4K-67140 L-45	5962-8687512YC	LCC48
45ns 1Kx8 DPR SLAVE 2mA	MM4K-67140 L-45	5962-8687516YC	LCC48
55ns 1Kx8 DPR SLAVE 2mA	MM4K-67140 L-55	5962-8687509YC	LCC48
55ns 1Kx8 DPR SLAVE 2mA	MM4K-67140 L-55	5962-8687510YC	LCC48
55ns 1Kx8 DPR SLAVE 2mA	MM4K-67140 L-55	5962-8687511YC	LCC48
55ns 1Kx8 DPR SLAVE 2mA	MM4K-67140 L-55	5962-8687513YC	LCC48
55ns 1Kx8 DPR SLAVE 2mA	MM4K-67140 L-55	5962-8687514YC	LCC48
55ns 1Kx8 DPR SLAVE 2mA	MM4K-67140 L-55	5962-8687515YC	LCC48
45ns 1Kx8 DPR SLAVE 200µA	MM4K-67140 V-45		LCC48
55ns 1Kx8 DPR SLAVE 200µA	MM4K-67140 V-55		LCC48
45ns 1Kx8 DPR SLAVE 200µA rad tol	MM4K-67140EV-45		LCC48
55ns 1Kx8 DPR SLAVE 200µA rad tol	MM4K-67140EV-55		LCC48
45ns 1Kx8 DPR SLAVE 200µA rad tol	MMCK-67140EV-45		SB48 600MILs
55ns 1Kx8 DPR SLAVE 200µA rad tol	MMCK-67140EV-55		SB48 600MILs
45ns 1Kx8 DPR SLAVE 2mA	MMDK-67140 L-45		FP48 400 MILs
55ns 1Kx8 DPR SLAVE 2mA	MMDK-67140 L-55		FP48 400 MILs
45ns 1Kx8 DPR SLAVE 200µA	MMDK-67140 V-45		FP48 400 MILs
55ns 1Kx8 DPR SLAVE 200µA	MMDK-67140 V-55		FP48 400 MILs
45ns 1Kx8 DPR SLAVE 200µA rad tol	MMDK-67140EV-45		FP48 400 MILs
55ns 1Kx8 DPR SLAVE 200µA rad tol	MMDK-67140EV-55		FP48 400 MILs
45ns 1Kx8 DPR SLAVE 2mA	MMQ3-67140 L-45		CQPJ52
55ns 1Kx8 DPR SLAVE 2mA	MMQ3-67140 L-55		CQPJ52
45ns 1Kx8 DPR SLAVE 200µA	MMQ3-67140 V-45		CQPJ52
55ns 1Kx8 DPR SLAVE 200µA	MMQ3-67140 V-55		CQPJ52

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
2Kx8 DPR			
45ns 2Kx8 DPR MASTER 2mA	MM1K-67132 L-45	5962-8700201ZA	CDIL48 600MILs
45ns 2Kx8 DPR MASTER 2mA	MM1K-67132 L-45	5962-8700205ZA	CDIL48 600MILs
55ns 2Kx8 DPR MASTER 2mA	MM1K-67132 L-55	5962-8700202ZA	CDIL48 600MILs
55ns 2Kx8 DPR MASTER 2mA	MM1K-67132 L-55	5962-8700203ZA	CDIL48 600MILs
55ns 2Kx8 DPR MASTER 2mA	MM1K-67132 L-55	5962-8700204ZA	CDIL48 600MILs
55ns 2Kx8 DPR MASTER 2mA	MM1K-67132 L-55	5962-8700206ZA	CDIL48 600MILs
55ns 2Kx8 DPR MASTER 2mA	MM1K-67132 L-55	5962-8700207ZA	CDIL48 600MILs
55ns 2Kx8 DPR MASTER 2mA	MM1K-67132 L-55	5962-8700208ZA	CDIL48 600MILs
45ns 2Kx8 DPR MASTER 200µA	MM1K-67132 V-45		CDIL48 600MILs
55ns 2Kx8 DPR MASTER 200µA	MM1K-67132 V-55		CDIL48 600MILs
45ns 2Kx8 DPR MASTER 2mA	MM4K-67132 L-45	5962-8700201UC	LCC48
45ns 2Kx8 DPR MASTER 2mA	MM4K-67132 L-45	5962-8700205UC	LCC48
55ns 2Kx8 DPR MASTER 2mA	MM4K-67132 L-55	5962-8700202UC	LCC48
55ns 2Kx8 DPR MASTER 2mA	MM4K-67132 L-55	5962-8700203UC	LCC48
55ns 2Kx8 DPR MASTER 2mA	MM4K-67132 L-55	5962-8700204UC	LCC48
55ns 2Kx8 DPR MASTER 2mA	MM4K-67132 L-55	5962-8700206UC	LCC48
55ns 2Kx8 DPR MASTER 2mA	MM4K-67132 L-55	5962-8700207UC	LCC48
55ns 2Kx8 DPR MASTER 2mA	MM4K-67132 L-55	5962-8700208UC	LCC48
45ns 2Kx8 DPR MASTER 200µA	MM4K-67132 V-45		LCC48
55ns 2Kx8 DPR MASTER 200µA	MM4K-67132 V-55		LCC48
45ns 2Kx8 DPR MASTER 200µA rad tol	MM4K-67132EV-45		LCC48
55ns 2Kx8 DPR MASTER 200µA rad tol	MM4K-67132EV-55		LCC48
45ns 2Kx8 DPR MASTER 200µA rad tol	MMCK-67132EV-45		SB48 600MILs
55ns 2Kx8 DPR MASTER 200µA rad tol	MMCK-67132EV-55		SB48 600MILs
45ns 2Kx8 DPR MASTER 2mA	MMDK-67132 L-45		FP48 400 MILs
55ns 2Kx8 DPR MASTER 2mA	MMDK-67132 L-55		FP48 400 MILs
45ns 2Kx8 DPR MASTER 200µA	MMDK-67132 V-45		FP48 400 MILs
55ns 2Kx8 DPR MASTER 200µA	MMDK-67132 V-55		FP48 400 MILs
45ns 2Kx8 DPR MASTER 200µA rad tol	MMDK-67132EV-45		FP48 400 MILs
55ns 2Kx8 DPR MASTER 200µA rad tol	MMDK-67132EV-55		FP48 400 MILs
45ns 2Kx8 DPR MASTER 2mA	MMQ3-67132 L-45		CQPJ52
55ns 2Kx8 DPR MASTER 2mA	MMQ3-67132 L-55		CQPJ52
45ns 2Kx8 DPR MASTER 200µA	MMQ3-67132 V-45		CQPJ52
55ns 2Kx8 DPR MASTER 200µA	MMQ3-67132 V-55		CQPJ52
45ns 2Kx8 DPR MASTER with INT 2mA	MM1K-671321 L-45		CDIL48 600MILs
55ns 2Kx8 DPR MASTER with INT 2mA	MM1K-671321 L-55		CDIL48 600MILs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
2Kx8 DPR			
45ns 2Kx8 DPR MASTER with INT 200µA	MM1K-671321 V-45		CDIL48 600MILs
55ns 2Kx8 DPR MASTER with INT 200µA	MM1K-671321 V-55		CDIL48 600MILs
45ns 2Kx8 DPR MASTER with INT 2mA	MM4K-671321 L-45		LCC48
55ns 2Kx8 DPR MASTER with INT 2mA	MM4K-671321 L-55		LCC48
45ns 2Kx8 DPR MASTER with INT 200µA	MM4K-671321 V-45		LCC48
55ns 2Kx8 DPR MASTER with INT 200µA	MM4K-671321 V-55		LCC48
45ns 2Kx8 DPR MASTER with INT 200µA rad tol *	MM4K-671321EV-45		LCC48
55ns 2Kx8 DPR MASTER with INT 200µA rad tol *	MM4K-671321EV-55		LCC48
45ns 2Kx8 DPR MASTER with INT 200µA rad tol *	MMCK-671321EV-45		SB48 600MILs
55ns 2Kx8 DPR MASTER with INT 200µA rad tol *	MMCK-671321EV-55		SB48 600MILs
45ns 2Kx8 DPR MASTER with INT 2mA	MMDK-671321 L-45		FP48 400 MILs
55ns 2Kx8 DPR MASTER with INT 2mA	MMDK-671321 L-55		FP48 400 MILs
45ns 2Kx8 DPR MASTER with INT 200µA	MMDK-671321 V-45		FP48 400 MILs
55ns 2Kx8 DPR MASTER with INT 200µA	MMDK-671321 V-55		FP48 400 MILs
45ns 2Kx8 DPR MASTER with INT 200µA rad tol *	MMDK-671321EV-45		FP48 400 MILs
55ns 2Kx8 DPR MASTER with INT 200µA rad tol *	MMDK-671321EV-55		FP48 400 MILs
45ns 2Kx8 DPR MASTER with INT 2mA	MMQ3-671321 L-45		CQPJ52
55ns 2Kx8 DPR MASTER with INT 2mA	MMQ3-671321 L-55		CQPJ52
45ns 2Kx8 DPR MASTER with INT 200µA	MMQ3-671321 V-45		CQPJ52
55ns 2Kx8 DPR MASTER with INT 200µA	MMQ3-671321 V-55		CQPJ52
45ns 2Kx8 DPR SLAVE 2mA	MM1K-67142 L-45	5962-8700209ZA	CDIL48 600MILs
45ns 2Kx8 DPR SLAVE 2mA	MM1K-67142 L-45	5962-8700213ZA	CDIL48 600MILs
55ns 2Kx8 DPR SLAVE 2mA	MM1K-67142 L-55	5962-8700210ZA	CDIL48 600MILs
55ns 2Kx8 DPR SLAVE 2mA	MM1K-67142 L-55	5962-8700211ZA	CDIL48 600MILs
55ns 2Kx8 DPR SLAVE 2mA	MM1K-67142 L-55	5962-8700212ZA	CDIL48 600MILs
55ns 2Kx8 DPR SLAVE 2mA	MM1K-67142 L-55	5962-8700214ZA	CDIL48 600MILs
55ns 2Kx8 DPR SLAVE 2mA	MM1K-67142 L-55	5962-8700215ZA	CDIL48 600MILs
55ns 2Kx8 DPR SLAVE 2mA	MM1K-67142 L-55	5962-8700216ZA	CDIL48 600MILs
45ns 2Kx8 DPR SLAVE 200µA	MM1K-67142 V-45		CDIL48 600MILs
55ns 2Kx8 DPR SLAVE 200µA	MM1K-67142 V-55		CDIL48 600MILs
45ns 2Kx8 DPR SLAVE 2mA	MM4K-67142 L-45	5962-8700209UC	LCC48
45ns 2Kx8 DPR SLAVE 2mA	MM4K-67142 L-45	5962-8700213UC	LCC48

* Please contact your sales office.

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
2Kx8 DPR			
55ns 2Kx8 DPR SLAVE 2mA	MM4K-67142 L-55	5962-8700210UC	LCC48
55ns 2Kx8 DPR SLAVE 2mA	MM4K-67142 L-55	5962-8700211UC	LCC48
55ns 2Kx8 DPR SLAVE 2mA	MM4K-67142 L-55	5962-8700212UC	LCC48
55ns 2Kx8 DPR SLAVE 2mA	MM4K-67142 L-55	5962-8700214UC	LCC48
55ns 2Kx8 DPR SLAVE 2mA	MM4K-67142 L-55	5962-8700215UC	LCC48
55ns 2Kx8 DPR SLAVE 2mA	MM4K-67142 L-55	5962-8700216UC	LCC48
45ns 2Kx8 DPR SLAVE 200µA	MM4K-67142 V-45		LCC48
55ns 2Kx8 DPR SLAVE 200µA	MM4K-67142 V-55		LCC48
45ns 2Kx8 DPR SLAVE 200µA rad tol	MM4K-67142EV-45		LCC48
55ns 2Kx8 DPR SLAVE 200µA rad tol	MM4K-67142EV-55		LCC48
45ns 2Kx8 DPR SLAVE 200µA rad tol	MMCK-67142EV-45		SB48 600MILs
55ns 2Kx8 DPR SLAVE 200µA rad tol	MMCK-67142EV-55		SB48 600MILs
45ns 2Kx8 DPR SLAVE 2mA	MMDK-67142 L-45		FP48 400 MILs
55ns 2Kx8 DPR SLAVE 2mA	MMDK-67142 L-55		FP48 400 MILs
45ns 2Kx8 DPR SLAVE 200µA	MMDK-67142 V-45		FP48 400 MILs
55ns 2Kx8 DPR SLAVE 200µA	MMDK-67142 V-55		FP48 400 MILs
45ns 2Kx8 DPR SLAVE 200µA rad tol	MMDK-67142EV-45		FP48 400 MILs
55ns 2Kx8 DPR SLAVE 200µA rad tol	MMDK-67142EV-55		FP48 400 MILs
45ns 2Kx8 DPR SLAVE 2mA	MMQ3-67142 L-45		CQPJ52
55ns 2Kx8 DPR SLAVE 2mA	MMQ3-67142 L-55		CQPJ52
45ns 2Kx8 DPR SLAVE 200µA	MMQ3-67142 V-45		CQPJ52
55ns 2Kx8 DPR SLAVE 200µA	MMQ3-67142 V-55		CQPJ52
45ns 2Kx8 DPR SLAVE with INT 2mA	MM1K-671421 L-45		CDIL48 600MILs
55ns 2Kx8 DPR SLAVE with INT 2mA	MM1K-671421 L-55		CDIL48 600MILs
45ns 2Kx8 DPR SLAVE with INT 200µA	MM1K-671421 V-45		CDIL48 600MILs
55ns 2Kx8 DPR SLAVE with INT 200µA	MM1K-671421 V-55		CDIL48 600MILs
45ns 2Kx8 DPR SLAVE with INT 2mA	MM4K-671421 L-45		LCC48
55ns 2Kx8 DPR SLAVE with INT 2mA	MM4K-671421 L-55		LCC48
45ns 2Kx8 DPR SLAVE with INT 200µA	MM4K-671421 V-45		LCC48
55ns 2Kx8 DPR SLAVE with INT 200µA	MM4K-671421 V-55		LCC48
45ns 2Kx8 DPR SLAVE with INT 200µA rad tol	* MM4K-671421EV-45		LCC48
55ns 2Kx8 DPR SLAVE with INT 200µA rad tol	* MM4K-671421EV-55		LCC48
45ns 2Kx8 DPR SLAVE with INT 200µA rad tol	* MMCK-671421EV-45		SB48 600MILs

* Please contact your sales office.

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
2Kx8 DPR			
55ns 2Kx8 DPR SLAVE with INT 200µA rad tol *	MMCK-671421EV-55		SB48 600MILs
45ns 2Kx8 DPR SLAVE with INT 2mA	MMDK-671421 L-45		FP48 400 MILs
55ns 2Kx8 DPR SLAVE with INT 2mA	MMDK-671421 L-55		FP48 400 MILs
45ns 2Kx8 DPR SLAVE with INT 200µA	MMDK-671421 V-45		FP48 400 MILs
55ns 2Kx8 DPR SLAVE with INT 200µA	MMDK-671421 V-55		FP48 400 MILs
45ns 2Kx8 DPR SLAVE with INT 200µA rad tol *	MMDK-671421EV-45		FP48 400 MILs
55ns 2Kx8 DPR SLAVE with INT 200µA rad tol *	MMDK-671421EV-55		FP48 400 MILs
45ns 2Kx8 DPR SLAVE with INT 2mA	MMQ3-671421 L-45		CQPJ52
55ns 2Kx8 DPR SLAVE with INT 2mA	MMQ3-671421 L-55		CQPJ52
45ns 2Kx8 DPR SLAVE with INT 200µA	MMQ3-671421 V-45		CQPJ52
55ns 2Kx8 DPR SLAVE with INT 200µA	MMQ3-671421 V-55		CQPJ52
4Kx8 DPR			
20ns 4Kx8 DPR 2mA *	MM1K-67134 L-20		CDIL48 600MILs
25ns 4Kx8 DPR 2mA *	MM1K-67134 L-25		CDIL48 600MILs
30ns 4Kx8 DPR 2mA *	MM1K-67134 L-30		CDIL48 600MILs
40ns 4Kx8 DPR 2mA *	MM1K-67134 L-40		CDIL48 600MILs
50ns 4Kx8 DPR 2mA *	MM1K-67134 L-50		CDIL48 600MILs
20ns 4Kx8 DPR 200µA *	MM1K-67134 V-20		CDIL48 600MILs
25ns 4Kx8 DPR 200µA *	MM1K-67134 V-25		CDIL48 600MILs
30ns 4Kx8 DPR 200µA *	MM1K-67134 V-30		CDIL48 600MILs
40ns 4Kx8 DPR 200µA *	MM1K-67134 V-40		CDIL48 600MILs
50ns 4Kx8 DPR 200µA *	MM1K-67134 V-50		CDIL48 600MILs
20ns 4Kx8 DPR 2mA *	MM4K-67134 L-20		LCC48
25ns 4Kx8 DPR 2mA *	MM4K-67134 L-25		LCC48
30ns 4Kx8 DPR 2mA *	MM4K-67134 L-30		LCC48
40ns 4Kx8 DPR 2mA *	MM4K-67134 L-40		LCC48
50ns 4Kx8 DPR 2mA *	MM4K-67134 L-50		LCC48
20ns 4Kx8 DPR 200µA *	MM4K-67134 V-20		LCC48
25ns 4Kx8 DPR 200µA *	MM4K-67134 V-25		LCC48
30ns 4Kx8 DPR 200µA *	MM4K-67134 V-30		LCC48
40ns 4Kx8 DPR 200µA *	MM4K-67134 V-40		LCC48
50ns 4Kx8 DPR 200µA *	MM4K-67134 V-50		LCC48
25ns 4Kx8 DPR 200µA rad tol *	MM4K-67134EV-25		LCC48

* Please contact your sales office.

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
4Kx8 DPR			
30ns 4Kx8 DPR 200µA rad tol	*	MM4K-67134EV-30	LCC48
40ns 4Kx8 DPR 200µA rad tol	*	MM4K-67134EV-40	LCC48
50ns 4Kx8 DPR 200µA rad tol	*	MM4K-67134EV-50	LCC48
25ns 4Kx8 DPR 200µA rad tol	*	MMCK-67134EV-25	SB48 600MILs
30ns 4Kx8 DPR 200µA rad tol	*	MMCK-67134EV-30	SB48 600MILs
40ns 4Kx8 DPR 200µA rad tol	*	MMCK-67134EV-40	SB48 600MILs
50ns 4Kx8 DPR 200µA rad tol	*	MMCK-67134EV-50	SB48 600MILs
20ns 4Kx8 DPR 2mA	*	MMDK-67134 L-20	FP48 400 MILs
25ns 4Kx8 DPR 2mA	*	MMDK-67134 L-25	FP48 400 MILs
30ns 4Kx8 DPR 2mA	*	MMDK-67134 L-30	FP48 400 MILs
40ns 4Kx8 DPR 2mA	*	MMDK-67134 L-40	FP48 400 MILs
50ns 4Kx8 DPR 2mA	*	MMDK-67134 L-50	FP48 400 MILs
20ns 4Kx8 DPR 200µA	*	MMDK-67134 V-20	FP48 400 MILs
25ns 4Kx8 DPR 200µA	*	MMDK-67134 V-25	FP48 400 MILs
30ns 4Kx8 DPR 200µA	*	MMDK-67134 V-30	FP48 400 MILs
40ns 4Kx8 DPR 200µA	*	MMDK-67134 V-40	FP48 400 MILs
50ns 4Kx8 DPR 200µA	*	MMDK-67134 V-50	FP48 400 MILs
25ns 4Kx8 DPR 200µA rad tol	*	MMDK-67134EV-25	FP48 400 MILs
30ns 4Kx8 DPR 200µA rad tol	*	MMDK-67134EV-30	FP48 400 MILs
40ns 4Kx8 DPR 200µA rad tol	*	MMDK-67134EV-40	FP48 400 MILs
50ns 4Kx8 DPR 200µA rad tol	*	MMDK-67134EV-50	FP48 400 MILs
20ns 4Kx8 DPR + SEM 2mA	*	MM1K-671342 L-20	CDIL48 600MILs
25ns 4Kx8 DPR + SEM 2mA	*	MM1K-671342 L-25	CDIL48 600MILs
30ns 4Kx8 DPR + SEM 2mA	*	MM1K-671342 L-30	CDIL48 600MILs
40ns 4Kx8 DPR + SEM 2mA	*	MM1K-671342 L-40	CDIL48 600MILs
50ns 4Kx8 DPR + SEM 2mA	*	MM1K-671342 L-50	CDIL48 600MILs
20ns 4Kx8 DPR + SEM 200µA	*	MM1K-671342 V-20	CDIL48 600MILs
25ns 4Kx8 DPR + SEM 200µA	*	MM1K-671342 V-25	CDIL48 600MILs
30ns 4Kx8 DPR + SEM 200µA	*	MM1K-671342 V-30	CDIL48 600MILs
40ns 4Kx8 DPR + SEM 200µA	*	MM1K-671342 V-40	CDIL48 600MILs
50ns 4Kx8 DPR + SEM 200µA	*	MM1K-671342 V-50	CDIL48 600MILs
20ns 4Kx8 DPR + SEM 2mA	*	MM43-671342 L-20	LCC52
25ns 4Kx8 DPR + SEM 2mA	*	MM43-671342 L-25	LCC52
30ns 4Kx8 DPR + SEM 2mA	*	MM43-671342 L-30	LCC52
40ns 4Kx8 DPR + SEM 2mA	*	MM43-671342 L-40	LCC52

* Please contact your sales office.

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
4Kx8 DPR			
50ns 4Kx8 DPR + SEM 2mA *	MM43-671342 L-50		LCC52
20ns 4Kx8 DPR + SEM 200µA *	MM43-671342 V-20		LCC52
25ns 4Kx8 DPR + SEM 200µA *	MM43-671342 V-25		LCC52
30ns 4Kx8 DPR + SEM 200µA *	MM43-671342 V-30		LCC52
40ns 4Kx8 DPR + SEM 200µA *	MM43-671342 V-40		LCC52
50ns 4Kx8 DPR + SEM 200µA *	MM43-671342 V-50		LCC52
25ns 4Kx8 DPR + SEM 200µA rad tol *	MM43-671342EV-25		LCC52
30ns 4Kx8 DPR + SEM 200µA rad tol *	MM43-671342EV-30		LCC52
40ns 4Kx8 DPR + SEM 200µA rad tol *	MM43-671342EV-40		LCC52
50ns 4Kx8 DPR + SEM 200µA rad tol *	MM43-671342EV-50		LCC52
20ns 4Kx8 DPR + SEM 2mA *	MMD3-671342 L-20		FP52 400 MILs
25ns 4Kx8 DPR + SEM 2mA *	MMD3-671342 L-25		FP52 400 MILs
30ns 4Kx8 DPR + SEM 2mA *	MMD3-671342 L-30		FP52 400 MILs
40ns 4Kx8 DPR + SEM 2mA *	MMD3-671342 L-40		FP52 400 MILs
50ns 4Kx8 DPR + SEM 2mA *	MMD3-671342 L-50		FP52 400 MILs
20ns 4Kx8 DPR + SEM 200µA *	MMD3-671342 V-20		FP52 400 MILs
25ns 4Kx8 DPR + SEM 200µA *	MMD3-671342 V-25		FP52 400 MILs
30ns 4Kx8 DPR + SEM 200µA *	MMD3-671342 V-30		FP52 400 MILs
40ns 4Kx8 DPR + SEM 200µA *	MMD3-671342 V-40		FP52 400 MILs
50ns 4Kx8 DPR + SEM 200µA *	MMD3-671342 V-50		FP52 400 MILs
25ns 4Kx8 DPR + SEM 200µA rad tol *	MMD3-671342EV-25		FP52 400 MILs
30ns 4Kx8 DPR + SEM 200µA rad tol *	MMD3-671342EV-30		FP52 400 MILs
40ns 4Kx8 DPR + SEM 200µA rad tol *	MMD3-671342EV-40		FP52 400 MILs
50ns 4Kx8 DPR + SEM 200µA rad tol *	MMD3-671342EV-50		FP52 400 MILs
8Kx8 DPR			
45 ns 8Kx8 DPR 4mA	MM40-67005 L-45		LCC68
55 ns 8Kx8 DPR 4mA	MM40-67005 L-55		LCC68
45 ns 8Kx8 DPR 400µA	MM40-67005 V-45		LCC68
55 ns 8Kx8 DPR 400µA	MM40-67005 V-55		LCC68
45 ns 8Kx8 DPR 400µA rad tol	MM40-67005EV-45		LCC68
55 ns 8Kx8 DPR 400µA rad tol	MM40-67005EV-55		LCC68
45 ns 8Kx8 DPR 4mA	MM8M-67005 L-45		PGA68
55 ns 8Kx8 DPR 4mA	MM8M-67005 L-55		PGA68
45 ns 8Kx8 DPR 400µA	MM8M-67005 V-45		PGA68
55 ns 8Kx8 DPR 400µA	MM8M-67005 V-55		PGA68

* Please contact your sales office.

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
8Kx8 DPR			
45 ns 8Kx8 DPR 4mA	MMDM-67005 L-45		FP68 400 MILs
55 ns 8Kx8 DPR 4mA	MMDM-67005 L-55		FP68 400 MILs
45 ns 8Kx8 DPR 400µA	MMDM-67005 V-45		FP68 400 MILs
55 ns 8Kx8 DPR 400µA	MMDM-67005 V-55		FP68 400 MILs
45 ns 8Kx8 DPR 400µA rad tol	MMDM-67005EV-45		FP68 400 MILs
55 ns 8Kx8 DPR 400µA rad tol	MMDM-67005EV-55		FP68 400 MILs
45 ns 8Kx8 DPR 4mA	MMQM-67005 L-45		CQPJ68
55 ns 8Kx8 DPR 4mA	MMQM-67005 L-55		CQPJ68
45 ns 8Kx8 DPR 400µA	MMQM-67005 V-45		CQPJ68
55 ns 8Kx8 DPR 400µA	MMQM-67005 V-55		CQPJ68
4Kx16 DPR			
45ns 4Kx16 DPR 4mA	MM4R-67024 L-45		LCC84 40 MILs
55ns 4Kx16 DPR 4mA	MM4R-67024 L-55		LCC84 40 MILs
45ns 4Kx16 DPR 400µA	MM4R-67024 V-45		LCC84 40 MILs
55ns 4Kx16 DPR 400µA	MM4R-67024 V-55		LCC84 40 MILs
45ns 4Kx16 DPR 400µA rad tol	MM4R-67024EV-45		LCC84 40 MILs
55ns 4Kx16 DPR 400µA rad tol	MM4R-67024EV-55		LCC84 40 MILs
45ns 4Kx16 DPR 4mA	MM42-67024 L-45		LCC84 50 MILs
55ns 4Kx16 DPR 4mA	MM42-67024 L-55		LCC84 50 MILs
45ns 4Kx16 DPR 400µA	MM42-67024 V-45		LCC84 50 MILs
55ns 4Kx16 DPR 400µA	MM42-67024 V-55		LCC84 50 MILs
45ns 4Kx16 DPR 400µA rad tol	MM42-67024EV-45		LCC84 50 MILs
55ns 4Kx16 DPR 400µA rad tol	MM42-67024EV-55		LCC84 50 MILs
45ns 4Kx16 DPR 4mA	MM8R-67024 L-45		PGA84
55ns 4Kx16 DPR 4mA	MM8R-67024 L-55		PGA84
45ns 4Kx16 DPR 400µA	MM8R-67024 V-45		PGA84
55ns 4Kx16 DPR 400µA	MM8R-67024 V-55		PGA84
45ns 4Kx16 DPR 4mA	MMK2-67024 L-45		MQFPF 50 MILs
55ns 4Kx16 DPR 4mA	MMK2-67024 L-55		MQFPF 50 MILs
45ns 4Kx16 DPR 400µA	MMK2-67024 V-45		MQFPF 50 MILs
55ns 4Kx16 DPR 400µA	MMK2-67024 V-55		MQFPF 50 MILs
45ns 4Kx16 DPR 400µA rad tol	MMK2-67024EV-45		MQFPF 50 MILs
55ns 4Kx16 DPR 400µA rad tol	MMK2-67024EV-55		MQFPF 50 MILs
45ns 4Kx16 DPR 4mA	MMQR-67024 L-45		CQPJ84
55ns 4Kx16 DPR 4mA	MMQR-67024 L-55		CQPJ84
45ns 4Kx16 DPR 400µA	MMQR-67024 V-45		CQPJ84
55ns 4Kx16 DPR 400µA	MMQR-67024 V-55		CQPJ84

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
8Kx16 DPR			
30ns 8Kx16 DPR 4mA	MM4R-67025 L-30		LCC84 40 MILs
35ns 8Kx16 DPR 4mA	MM4R-67025 L-35		LCC84 40 MILs
45ns 8Kx16 DPR 4mA	MM4R-67025 L-45		LCC84 40 MILs
55ns 8Kx16 DPR 4mA	MM4R-67025 L-55		LCC84 40 MILs
30ns 8Kx16 DPR 400µA	MM4R-67025 V-30		LCC84 40 MILs
35ns 8Kx16 DPR 400µA	MM4R-67025 V-35		LCC84 40 MILs
45ns 8Kx16 DPR 400µA	MM4R-67025 V-45		LCC84 40 MILs
55ns 8Kx16 DPR 400µA	MM4R-67025 V-55		LCC84 40 MILs
35ns 8Kx16 DPR 400µA rad tol	MM4R-67025EV-35		LCC84 40 MILs
45ns 8Kx16 DPR 400µA rad tol	MM4R-67025EV-45		LCC84 40 MILs
55ns 8Kx16 DPR 400µA rad tol	MM4R-67025EV-55		LCC84 40 MILs
30ns 8Kx16 DPR 4mA	MM8R-67025 L-30		PGA84
35ns 8Kx16 DPR 4mA	MM8R-67025 L-35		PGA84
45ns 8Kx16 DPR 4mA	MM8R-67025 L-45		PGA84
55ns 8Kx16 DPR 4mA	MM8R-67025 L-55		PGA84
30ns 8Kx16 DPR 400µA	MM8R-67025 V-30		PGA84
35ns 8Kx16 DPR 400µA	MM8R-67025 V-35		PGA84
45ns 8Kx16 DPR 400µA	MM8R-67025 V-45		PGA84
55ns 8Kx16 DPR 400µA	MM8R-67025 V-55		PGA84
30ns 8Kx16 DPR 4mA	MMK2-67025 L-30		MQFPF84 50 MILs
35ns 8Kx16 DPR 4mA	MMK2-67025 L-35		MQFPF84 50 MILs
45ns 8Kx16 DPR 4mA	MMK2-67025 L-45		MQFPF84 50 MILs
55ns 8Kx16 DPR 4mA	MMK2-67025 L-55		MQFPF84 50 MILs
30ns 8Kx16 DPR 400µA	MMK2-67025 V-30		MQFPF84 50 MILs
35ns 8Kx16 DPR 400µA	MMK2-67025 V-35		MQFPF84 50 MILs
45ns 8Kx16 DPR 400µA	MMK2-67025 V-45		MQFPF84 50 MILs
55ns 8Kx16 DPR 400µA	MMK2-67025 V-55		MQFPF84 50 MILs
35ns 8Kx16 DPR 400µA rad tol	MMK2-67025EV-35		MQFPF84 50 MILs
45ns 8Kx16 DPR 400µA rad tol	MMK2-67025EV-45		MQFPF84 50 MILs
55ns 8Kx16 DPR 400µA rad tol	MMK2-67025EV-55		MQFPF84 50 MILs
30ns 8Kx16 DPR 4mA	MMQR-67025 L-30		CQPJ84
35ns 8Kx16 DPR 4mA	MMQR-67025 L-35		CQPJ84
45ns 8Kx16 DPR 4mA	MMQR-67025 L-45		CQPJ84
55ns 8Kx16 DPR 4mA	MMQR-67025 L-55		CQPJ84
30ns 8Kx16 DPR 400µA	MMQR-67025 V-30		CQPJ84

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
8Kx16 DPR			
35ns 8Kx16 DPR 400μA	MMQR-67025 V-35		CQPJ84
45ns 8Kx16 DPR 400μA	MMQR-67025 V-45		CQPJ84
55ns 8Kx16 DPR 400μA	MMQR-67025 V-55		CQPJ84

FIFOs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
512x9 FIFO			
30ns 512X9 FIFO 800 μ A	MM1P-67201AL-30	5962-8753101TA	CDIL28 300 MILs
30ns 512X9 FIFO 800 μ A	MM1P-67201AL-30	5962-8986305YA	CDIL28 300 MILs
40ns 512X9 FIFO 800 μ A	MM1P-67201AL-40	5962-8986304YA	CDIL28 300 MILs
50ns 512X9 FIFO 800 μ A	MM1P-67201AL-50	5962-8753102TA	CDIL28 300 MILs
50ns 512X9 FIFO 800 μ A	MM1P-67201AL-50	5962-8753103TA	CDIL28 300 MILs
50ns 512X9 FIFO 800 μ A	MM1P-67201AL-50	5962-8986301YA	CDIL28 300 MILs
50ns 512X9 FIFO 800 μ A	MM1P-67201AL-50	5962-8986302YA	CDIL28 300 MILs
50ns 512X9 FIFO 800 μ A	MM1P-67201AL-50	5962-8986303YA	CDIL28 300 MILs
30ns 512X9 FIFO 80 μ A	MM1P-67201AV-30		CDIL28 300 MILs
40ns 512X9 FIFO 80 μ A	MM1P-67201AV-40		CDIL28 300 MILs
50ns 512X9 FIFO 80 μ A	MM1P-67201AV-50		CDIL28 300 MILs
30ns 512X9 FIFO 800 μ A	MM4J-67201AL-30	5962-8753101YC	LCC 32
30ns 512X9 FIFO 800 μ A	MM4J-67201AL-30	5962-8986305ZC	LCC 32
40ns 512X9 FIFO 800 μ A	MM4J-67201AL-40	5962-8986304ZC	LCC 32
50ns 512X9 FIFO 800 μ A	MM4J-67201AL-50	5962-8753102YC	LCC 32
50ns 512X9 FIFO 800 μ A	MM4J-67201AL-50	5962-8753103YC	LCC 32
50ns 512X9 FIFO 800 μ A	MM4J-67201AL-50	5962-8986301ZC	LCC 32
50ns 512X9 FIFO 800 μ A	MM4J-67201AL-50	5962-8986302ZC	LCC 32
50ns 512X9 FIFO 800 μ A	MM4J-67201AL-50	5962-8986303ZC	LCC 32
30ns 512X9 FIFO 80 μ A	MM4J-67201AV-30		LCC 32
40ns 512X9 FIFO 80 μ A	MM4J-67201AV-40		LCC 32
50ns 512X9 FIFO 80 μ A	MM4J-67201AV-50		LCC 32
30ns 512X9 FIFO 80 μ A rad tol	MM4J-67201FV-30		LCC 32
40ns 512X9 FIFO 80 μ A rad tol	MM4J-67201FV-40		LCC 32
50ns 512X9 FIFO 80 μ A rad tol	MM4J-67201FV-50		LCC 32
30ns 512X9 FIFO 80 μ A rad tol	MMCP-67201FV-30		SB28 300 MILs
40ns 512X9 FIFO 80 μ A rad tol	MMCP-67201FV-40		SB28 300 MILs
50ns 512X9 FIFO 80 μ A rad tol	MMCP-67201FV-50		SB28 300 MILs
30ns 512X9 FIFO 800 μ A	MMDP-67201AL-30		FP28 400 MILs
40ns 512X9 FIFO 800 μ A	MMDP-67201AL-40		FP28 400 MILs
50ns 512X9 FIFO 800 μ A	MMDP-67201AL-50		FP28 400 MILs
30ns 512X9 FIFO 80 μ A	MMDP-67201AV-30		FP28 400 MILs
40ns 512X9 FIFO 80 μ A	MMDP-67201AV-40		FP28 400 MILs
50ns 512X9 FIFO 80 μ A	MMDP-67201AV-50		FP28 400 MILs
30ns 512X9 FIFO 80 μ A rad tol	MMDP-67201FV-30		FP28 400 MILs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
512x9 FIFO			
40ns 512X9 FIFO 80 μ A rad tol	MMDP-67201FV-40		FP28 400 MILs
50ns 512X9 FIFO 80 μ A rad tol	MMDP-67201FV-50		FP28 400 MILs
1Kx9 FIFO			
30ns 1024X9 FIFO 800 μ A	MM1P-67202AL-30	5962-8953605XA	CDIL28 300 MILs
40ns 1024X9 FIFO 800 μ A	MM1P-67202AL-40	5962-8953604XA	CDIL28 300 MILs
50ns 1024X9 FIFO 800 μ A	MM1P-67202AL-50	5962-8953601XA	CDIL28 300 MILs
50ns 1024X9 FIFO 800 μ A	MM1P-67202AL-50	5962-8953602XA	CDIL28 300 MILs
50ns 1024X9 FIFO 800 μ A	MM1P-67202AL-50	5962-8953603XA	CDIL28 300 MILs
30ns 1024X9 FIFO 80 μ A	MM1P-67202AV-30		CDIL28 300 MILs
40ns 1024X9 FIFO 80 μ A	MM1P-67202AV-40		CDIL28 300 MILs
50ns 1024X9 FIFO 80 μ A	MM1P-67202AV-50		CDIL28 300 MILs
30ns 1024X9 FIFO 800 μ A	MM4J-67202AL-30	5962-8953605UC	LCC32
40ns 1024X9 FIFO 800 μ A	MM4J-67202AL-40	5962-8953604UC	LCC32
50ns 1024X9 FIFO 800 μ A	MM4J-67202AL-50	5962-8953601UC	LCC32
50ns 1024X9 FIFO 800 μ A	MM4J-67202AL-50	5962-8953602UC	LCC32
50ns 1024X9 FIFO 800 μ A	MM4J-67202AL-50	5962-8953603UC	LCC32
30ns 1024X9 FIFO 80 μ A	MM4J-67202AV-30		LCC32
40ns 1024X9 FIFO 80 μ A	MM4J-67202AV-40		LCC32
50ns 1024X9 FIFO 80 μ A	MM4J-67202AV-50		LCC32
30ns 1024X9 FIFO 80 μ A rad tol	MM4J-67202FV-30		LCC32
40ns 1024X9 FIFO 80 μ A rad tol	MM4J-67202FV-40		LCC32
50ns 1024X9 FIFO 80 μ A rad tol	MM4J-67202FV-50		LCC32
30ns 1024X9 FIFO 80 μ A rad tol	MMCP-67202FV-30		SB28 300 MILs
40ns 1024X9 FIFO 80 μ A rad tol	MMCP-67202FV-40		SB28 300 MILs
50ns 1024X9 FIFO 80 μ A rad tol	MMCP-67202FV-50		SB28 300 MILs
30ns 1024X9 FIFO 800 μ A	MMDP-67202AL-30		FP28 400 MILs
40ns 1024X9 FIFO 800 μ A	MMDP-67202AL-40		FP28 400 MILs
50ns 1024X9 FIFO 800 μ A	MMDP-67202AL-50		FP28 400 MILs
30ns 1024X9 FIFO 80 μ A	MMDP-67202AV-30		FP28 400 MILs
40ns 1024X9 FIFO 80 μ A	MMDP-67202AV-40		FP28 400 MILs
50ns 1024X9 FIFO 80 μ A	MMDP-67202AV-50		FP28 400 MILs
30ns 1024X9 FIFO 80 μ A rad tol	MMDP-67202FV-30		FP28 400 MILs
40ns 1024X9 FIFO 80 μ A rad tol	MMDP-67202FV-40		FP28 400 MILs
50ns 1024X9 FIFO 80 μ A rad tol	MMDP-67202FV-50		FP28 400 MILs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
2Kx9 FIFO			
30ns 2048X9 FIFO 2 mA	MM1I-67203 L-30	5962-8866905XA	CDIL28 600 MILs
40ns 2048X9 FIFO 2 mA	MM1I-67203 L-40	5962-8866904XA	CDIL28 600 MILs
40ns 2048X9 FIFO 2 mA	MM1I-67203 L-40	5962-8956705XA	CDIL28 600 MILs
50ns 2048X9 FIFO 2 mA	MM1I-67203 L-50	5962-8866901XA	CDIL28 600 MILs
50ns 2048X9 FIFO 2 mA	MM1I-67203 L-50	5962-8866902XA	CDIL28 600 MILs
50ns 2048X9 FIFO 2 mA	MM1I-67203 L-50	5962-8866903XA	CDIL28 600 MILs
50ns 2048X9 FIFO 2 mA	MM1I-67203 L-50	5962-8956701XA	CDIL28 600 MILs
50ns 2048X9 FIFO 2 mA	MM1I-67203 L-50	5962-8956702XA	CDIL28 600 MILs
50ns 2048X9 FIFO 2 mA	MM1I-67203 L-50	5962-8956703XA	CDIL28 600 MILs
50ns 2048X9 FIFO 2 mA	MM1I-67203 L-50	5962-8956704XA	CDIL28 600 MILs
30ns 2048X9 FIFO 200 μ A	MM1I-67203 V-30		CDIL28 600 MILs
40ns 2048X9 FIFO 200 μ A	MM1I-67203 V-40		CDIL28 600 MILs
50ns 2048X9 FIFO 200 μ A	MM1I-67203 V-50		CDIL28 600 MILs
30ns 2048X9 FIFO 2 mA	MM4J-67203 L-30	5962-8866905ZC	LCC32
40ns 2048X9 FIFO 2 mA	MM4J-67203 L-40	5962-8866904ZC	LCC32
40ns 2048X9 FIFO 2 mA	MM4J-67203 L-40	5962-8956705ZC	LCC32
50ns 2048X9 FIFO 2 mA	MM4J-67203 L-50	5962-8866901ZC	LCC32
50ns 2048X9 FIFO 2 mA	MM4J-67203 L-50	5962-8866902ZC	LCC32
50ns 2048X9 FIFO 2 mA	MM4J-67203 L-50	5962-8866903ZC	LCC32
50ns 2048X9 FIFO 2 mA	MM4J-67203 L-50	5962-8956701ZC	LCC32
50ns 2048X9 FIFO 2 mA	MM4J-67203 L-50	5962-8956702ZC	LCC32
50ns 2048X9 FIFO 2 mA	MM4J-67203 L-50	5962-8956703ZC	LCC32
50ns 2048X9 FIFO 2 mA	MM4J-67203 L-50	5962-8956704ZC	LCC32
30ns 2048X9 FIFO 200 μ A	MM4J-67203 V-30		LCC32
40ns 2048X9 FIFO 200 μ A	MM4J-67203 V-40		LCC32
50ns 2048X9 FIFO 200 μ A	MM4J-67203 V-50		LCC32
30ns 2048X9 FIFO 200 μ A rad tol	MM4J-67203EV-30		LCC32
40ns 2048X9 FIFO 200 μ A rad tol	MM4J-67203EV-40		LCC32
50ns 2048X9 FIFO 200 μ A rad tol	MM4J-67203EV-50		LCC32
30ns 2048X9 FIFO 200 μ A rad tol	MMCP-67203EV-30		SB28 300 MILs
40ns 2048X9 FIFO 200 μ A rad tol	MMCP-67203EV-40		SB28 300 MILs
50ns 2048X9 FIFO 200 μ A rad tol	MMCP-67203EV-50		SB28 300 MILs
30ns 2048X9 FIFO 2 mA	MMDP-67203 L-30		FP28 400 MILs
40ns 2048X9 FIFO 2 mA	MMDP-67203 L-40		FP28 400 MILs
50ns 2048X9 FIFO 2 mA	MMDP-67203 L-50		FP28 400 MILs
30ns 2048X9 FIFO 200 μ A	MMDP-67203 V-30		FP28 400 MILs
40ns 2048X9 FIFO 200 μ A	MMDP-67203 V-40		FP28 400 MILs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
2Kx9 FIFO			
50ns 2048X9 FIFO 200 μ A	MMDP-67203 V-50		FP28 400 MILs
30ns 2048X9 FIFO 200 μ A rad tol	MMDP-67203EV-30		FP28 400 MILs
40ns 2048X9 FIFO 200 μ A rad tol	MMDP-67203EV-40		FP28 400 MILs
50ns 2048X9 FIFO 200 μ A rad tol	MMDP-67203EV-50		FP28 400 MILs
4Kx9 FIFO			
30ns 4096X9 FIFO 2 mA	MM1I-67204 L-30		CDIL28 600 MILs
40ns 4096X9 FIFO 2 mA	MM1I-67204 L-40	5962-8956805XA	CDIL28 600 MILs
50ns 4096X9 FIFO 2 mA	MM1I-67204 L-50	5962-8956801XA	CDIL28 600 MILs
50ns 4096X9 FIFO 2 mA	MM1I-67204 L-50	5962-8956802XA	CDIL28 600 MILs
50ns 4096X9 FIFO 2 mA	MM1I-67204 L-50	5962-8956803XA	CDIL28 600 MILs
50ns 4096X9 FIFO 2 mA	MM1I-67204 L-50	5962-8956804XA	CDIL28 600 MILs
30ns 4096X9 FIFO 200 μ A	MM1I-67204 V-30		CDIL28 600 MILs
40ns 4096X9 FIFO 200 μ A	MM1I-67204 V-40		CDIL28 600 MILs
50ns 4096X9 FIFO 200 μ A	MM1I-67204 V-50		CDIL28 600 MILs
30ns 4096X9 FIFO 2 mA	MM4J-67204 L-30		LCC32
40ns 4096X9 FIFO 2 mA	MM4J-67204 L-40	5962-8956805ZC	LCC32
50ns 4096X9 FIFO 2 mA	MM4J-67204 L-50	5962-8956801ZC	LCC32
50ns 4096X9 FIFO 2 mA	MM4J-67204 L-50	5962-8956802ZC	LCC32
50ns 4096X9 FIFO 2 mA	MM4J-67204 L-50	5962-8956803ZC	LCC32
50ns 4096X9 FIFO 2 mA	MM4J-67204 L-50	5962-8956804ZC	LCC32
30ns 4096X9 FIFO 200 μ A	MM4J-67204 V-30		LCC32
40ns 4096X9 FIFO 200 μ A	MM4J-67204 V-40		LCC32
50ns 4096X9 FIFO 200 μ A	MM4J-67204 V-50		LCC32
30ns 4096X9 FIFO 200 μ A rad tol	MM4J-67204EV-30		LCC32
40ns 4096X9 FIFO 200 μ A rad tol	MM4J-67204EV-40		LCC32
50ns 4096X9 FIFO 200 μ A rad tol	MM4J-67204EV-50		LCC32
30ns 4096X9 FIFO 200 μ A rad tol	MMCP-67204EV-30		SB28 300 MILs
40ns 4096X9 FIFO 200 μ A rad tol	MMCP-67204EV-40		SB28 300 MILs
50ns 4096X9 FIFO 200 μ A rad tol	MMCP-67204EV-50		SB28 300 MILs
30ns 4096X9 FIFO 2 mA	MMDP-67204 L-30		FP28 400 MILs
40ns 4096X9 FIFO 2 mA	MMDP-67204 L-40		FP28 400 MILs
65ns 4096X9 FIFO 2 mA	MMDP-67204 L-50		FP28 400 MILs
30ns 4096X9 FIFO 200 μ A	MMDP-67204 V-30		FP28 400 MILs
40ns 4096X9 FIFO 200 μ A	MMDP-67204 V-40		FP28 400 MILs
50ns 4096X9 FIFO 200 μ A	MMDP-67204 V-50		FP28 400 MILs
30ns 4096X9 FIFO 200 μ A rad tol	MMDP-67204EV-30		FP28 400 MILs

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
4Kx9 FIFO			
40ns 4096X9 FIFO 200 μ A rad tol	MMDP-67204EV-40		FP28 400 MILs
50ns 4096X9 FIFO 200 μ A rad tol	MMDP-67204EV-50		FP28 400 MILs
8Kx9 FIFO			
30ns 8192X9 FIFO 4 mA	MM1I-67205 L-30		CDIL28 600 MILs
40ns 8192X9 FIFO 4 mA	MM1I-67205 L-40		CDIL28 600 MILs
50ns 8192X9 FIFO 4 mA	MM1I-67205 L-50	5962-9167701XA	CDIL28 600 MILs
50ns 8192X9 FIFO 4 mA	MM1I-67205 L-50	5962-9167702XA	CDIL28 600 MILs
30ns 8192X9 FIFO 400 μ A	MM1I-67205 V-30		CDIL28 600 MILs
40ns 8192X9 FIFO 400 μ A	MM1I-67205 V-40		CDIL28 600 MILs
50ns 8192X9 FIFO 400 μ A	MM1I-67205 V-50		CDIL28 600 MILs
30ns 8192X9 FIFO 4 mA	MM4J-67205 L-30		LCC 32
40ns 8192X9 FIFO 4 mA	MM4J-67205 L-40		LCC 32
50ns 8192X9 FIFO 4 mA	MM4J-67205 L-50	5962-9167701ZC	LCC 32
50ns 8192X9 FIFO 4 mA	MM4J-67205 L-50	5962-9167702ZC	LCC 32
30ns 8192X9 FIFO 400 μ A	MM4J-67205 V-30		LCC 32
40ns 8192X9 FIFO 400 μ A	MM4J-67205 V-40		LCC 32
50ns 8192X9 FIFO 400 μ A	MM4J-67205 V-50		LCC 32
40ns 8192X9 FIFO 400 μ A rad tol	MM4J-67205EV-40		LCC 32
50ns 8192X9 FIFO 400 μ A rad tol	MM4J-67205EV-50		LCC 32
40ns 8192X9 FIFO 400 μ A rad tol	MMCP-67205EV-40		SB28 300 MILs
50ns 8192X9 FIFO 400 μ A rad tol	MMCP-67205EV-50		SB28 300 MILs
30ns 8192X9 FIFO 4 mA	MMDP-67205 L-30		FP28 400 MILs
40ns 8192X9 FIFO 4 mA	MMDP-67205 L-40		FP28 400 MILs
50ns 8192X9 FIFO 4 mA	MMDP-67205 L-50		FP28 400 MILs
30ns 8192X9 FIFO 400 μ A	MMDP-67205 V-30		FP28 400 MILs
40ns 8192X9 FIFO 400 μ A	MMDP-67205 V-40		FP28 400 MILs
50ns 8192X9 FIFO 400 μ A	MMDP-67205 V-50		FP28 400 MILs
40ns 8192X9 FIFO 400 μ A rad tol	MMDP-67205EV-40		FP28 400 MILs
50ns 8192X9 FIFO 400 μ A rad tol	MMDP-67205EV-50		FP28 400 MILs
16Kx9 FIFO			
15ns 2mA 16Kx9 FIFO	* MM1I-67206 L-15		CDIL28 600 MILs
20ns 2mA 16Kx9 FIFO	* MM1I-67206 L-20		CDIL28 600 MILs
25ns 2mA 16Kx9 FIFO	* MM1I-67206 L-25		CDIL28 600 MILs
30ns 2mA 16Kx9 FIFO	* MM1I-67206 L-30		CDIL28 600 MILs

* Please contact your sales office.

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
16Kx9 FIFO			
40ns 2mA 16Kx9 FIFO	* MM1I-67206 L-40		CDIL28 600 MILs
50ns 2mA 16Kx9 FIFO	* MM1I-67206 L-50		CDIL28 600 MILs
15ns 200µA 16Kx9 FIFO	* MM1I-67206 V-15		CDIL28 600 MILs
20ns 200µA 16Kx9 FIFO	* MM1I-67206 V-20		CDIL28 600 MILs
25ns 200µA 16Kx9 FIFO	* MM1I-67206 V-25		CDIL28 600 MILs
30ns 200µA 16Kx9 FIFO	* MM1I-67206 V-30		CDIL28 600 MILs
40ns 200µA 16Kx9 FIFO	* MM1I-67206 V-40		CDIL28 600 MILs
50ns 200µA 16Kx9 FIFO	* MM1I-67206 V-50		CDIL28 600 MILs
15ns 2mA 16Kx9 FIFO	* MM4J-67206 L-15		LCC32
20ns 2mA 16Kx9 FIFO	* MM4J-67206 L-20		LCC32
25ns 2mA 16Kx9 FIFO	* MM4J-67206 L-25		LCC32
30ns 2mA 16Kx9 FIFO	* MM4J-67206 L-30		LCC32
40ns 2mA 16Kx9 FIFO	* MM4J-67206 L-40		LCC32
50ns 2mA 16Kx9 FIFO	* MM4J-67206 L-50		LCC32
15ns 200µA 16Kx9 FIFO	* MM4J-67206 V-15		LCC32
20ns 200µA 16Kx9 FIFO	* MM4J-67206 V-20		LCC32
25ns 200µA 16Kx9 FIFO	* MM4J-67206 V-25		LCC32
30ns 200µA 16Kx9 FIFO	* MM4J-67206 V-30		LCC32
40ns 200µA 16Kx9 FIFO	* MM4J-67206 V-40		LCC32
50ns 200µA 16Kx9 FIFO	* MM4J-67206 V-50		LCC32
20ns 200µA 16Kx9 FIFO rad tol	* MM4J-67206EV-20		LCC32
25ns 200µA 16Kx9 FIFO rad tol	* MM4J-67206EV-25		LCC32
30ns 200µA 16Kx9 FIFO rad tol	* MM4J-67206EV-30		LCC32
40ns 200µA 16Kx9 FIFO rad tol	* MM4J-67206EV-40		LCC32
50ns 200µA 16Kx9 FIFO rad tol	* MM4J-67206EV-50		LCC32
20ns 200µA 16Kx9 FIFO rad tol	* MMCI-67206EV-20		SB28 600 MILs
25ns 200µA 16Kx9 FIFO rad tol	* MMCI-67206EV-25		SB28 600 MILs
30ns 200µA 16Kx9 FIFO rad tol	* MMCI-67206EV-30		SB28 600 MILs
40ns 200µA 16Kx9 FIFO rad tol	* MMCI-67206EV-40		SB28 600 MILs
50ns 200µA 16Kx9 FIFO rad tol	* MMCI-67206EV-50		SB28 600 MILs
20ns 200µA 16Kx9 FIFO rad tol	* MMCP-67206EV-20		SB28 300 MILs
25ns 200µA 16Kx9 FIFO rad tol	* MMCP-67206EV-25		SB28 300 MILs
30ns 200µA 16Kx9 FIFO rad tol	* MMCP-67206EV-30		SB28 300 MILs
40ns 200µA 16Kx9 FIFO rad tol	* MMCP-67206EV-40		SB28 300 MILs
50ns 200µA 16Kx9 FIFO rad tol	* MMCP-67206EV-50		SB28 300 MILs
15ns 2mA 16Kx9 FIFO	* MMDP-67206 L-15		FP28 400 MILs

* Please contact your sales office.

DESCRIPTION		MHS P/N	SMD (DESC)	PACKAGE
16Kx9 FIFO				
20ns 2mA 16Kx9 FIFO	*	MMDP-67206 L-20		FP28 400 MILs
25ns 2mA 16Kx9 FIFO	*	MMDP-67206 L-25		FP28 400 MILs
30ns 2mA 16Kx9 FIFO	*	MMDP-67206 L-30		FP28 400 MILs
40ns 2mA 16Kx9 FIFO	*	MMDP-67206 L-40		FP28 400 MILs
50ns 2mA 16Kx9 FIFO	*	MMDP-67206 L-50		FP28 400 MILs
15ns 200μA 16Kx9 FIFO	*	MMDP-67206 V-15		FP28 400 MILs
20ns 200μA 16Kx9 FIFO	*	MMDP-67206 V-20		FP28 400 MILs
25ns 200μA 16Kx9 FIFO	*	MMDP-67206 V-25		FP28 400 MILs
30ns 200μA 16Kx9 FIFO	*	MMDP-67206 V-30		FP28 400 MILs
40ns 200μA 16Kx9 FIFO	*	MMDP-67206 V-40		FP28 400 MILs
50ns 200μA 16Kx9 FIFO	*	MMDP-67206 V-50		FP28 400 MILs
20ns 200μA 16Kx9 FIFO rad tol	*	MMDP-67206EV-20		FP28 400 MILs
25ns 200μA 16Kx9 FIFO rad tol	*	MMDP-67206EV-25		FP28 400 MILs
30ns 200μA 16Kx9 FIFO rad tol	*	MMDP-67206EV-30		FP28 400 MILs
40ns 200μA 16Kx9 FIFO rad tol	*	MMDP-67206EV-40		FP28 400 MILs
50ns 200μA 16Kx9 FIFO rad tol	*	MMDP-67206EV-50		FP28 400 MILs

* Please contact your sales office.

Microprocessors & Microcontrollers

32 Bit RISC SPARC Microprocessors

DESCRIPTION		MHS P/N	SMD (DESC)	PACKAGE
Integer unit 20 MHz	*	MK-90C601S-20		MQFPF256
Integer unit 25 MHz	*	MK-90C601S-25		MQFPF256
Integer unit 20 MHz	*	MG-90C601S-20		PGA257
Integer unit 25 MHz	*	MG-90C601S-25		PGA257
Integer unit 20 MHz rad tol	*	MK-90C601E-20		MQFPF256
Integer unit 25 MHz rad tol	*	MK-90C601E-25		MQFPF256
Floating point unit 20 MHz	*	MF-90C602S-20		MQFPL160
Floating point unit 25 MHz	*	MF-90C602S-25		MQFPL160
Floating point unit 20 MHz	*	MG-90C602S-20		PGA176
Floating point unit 25 MHz	*	MG-90C602S-25		PGA176
Floating point unit 20 MHz rad tol	*	MF-90C602E-20		MQFPL160
Floating point unit 25 MHz rad tol	*	MF-90C602E-25		MQFPL160
Memory controller	*	MK-90C609S		MQFPF256
Memory controller	*	MG-90C609S		PGA257
Memory controller rad tol	*	MK-90C609E		MQFPF256

* Please contact your sales office.

8 Bit ROMless Microcontrollers

DESCRIPTION		MHS P/N	SMD (DESC)	PACKAGE
8 Bit uC 128 Bytes RAM 36 MHZ		MD-80C31μ-36		CDIL40 600 MILs
8 Bit uC 128 Bytes RAM 30 MHZ		MD-80C31μ-30		CDIL40 600 MILs
8 Bit uC 128 Bytes RAM 25 MHZ		MD-80C31μ-25		CDIL40 600 MILs
8 Bit uC 128 Bytes RAM 20 MHZ		MD-80C31μ-20		CDIL40 600 MILs
8 Bit uC 128 Bytes RAM 16 MHZ		MD-80C31-1	5962-8506403QA	CDIL40 600 MILs
8 Bit uC 128 Bytes RAM 12 MHZ		MD-80C31	5962-8506401QA	CDIL40 600 MILs
8 Bit uC 128 Bytes RAM 6 MHZ low voltage		MD-80C31-L		CDIL40 600 MILs
8 Bit uC 128 Bytes RAM 12 MHZ rad tol		MC-80C31E		SB 40 600 MILs
8 Bit uC 128 Bytes RAM 36 MHZ		MQ-80C31μ-36		CQPJ44

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
8 Bit uC 128 Bytes RAM 30 MHZ	MQ-80C31μ-30		CQPJ44
8 Bit uC 128 Bytes RAM 25 MHZ	MQ-80C31μ-25		CQPJ44
8 Bit uC 128 Bytes RAM 20 MHZ	MQ-80C31μ-20		CQPJ44
8 Bit uC 128 Bytes RAM 16 MHZ	MQ-80C31-1		CQPJ44
8 Bit uC 128 Bytes RAM 12 MHZ	MQ-80C31		CQPJ44
8 Bit uC 128 Bytes RAM 6 MHZ low voltage	MQ-80C31-L		CQPJ44
8 Bit uC 128 Bytes RAM 36 MHZ	MR-80C31μ-36		LCC44
8 Bit uC 128 Bytes RAM 30 MHZ	MR-80C31μ-30		LCC44
8 Bit uC 128 Bytes RAM 25 MHZ	MR-80C31μ-25		LCC44
8 Bit uC 128 Bytes RAM 20 MHZ	MR-80C31μ-20		LCC44
8 Bit uC 128 Bytes RAM 16 MHZ	MR-80C31-1	5962-8506403XC	LCC44
8 Bit uC 128 Bytes RAM 12 MHZ	MR-80C31	5962-8506401XC	LCC44
8 Bit uC 128 Bytes RAM 6 MHZ low voltage	MR-80C31-L		LCC44
8 Bit uC 128 Bytes RAM 12 MHZ rad tol	MR-80C31E		LCC44
8 Bit uC 128 Bytes RAM 12 MHZ rad tol	MJ-80C31E		J-LCC44
8 Bit uC 256Bytes RAM 36 MHZ	MD-80C32μ-36		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 30 MHZ	MD-80C32μ-30		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 25 MHZ	MD-80C32μ-25		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 20 MHZ	MD-80C32μ-20		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 16 MHZ	MD-80C32-1		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 12 MHZ	MD-80C32		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 6 MHZ low voltage	MD-80C32-L		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 30 MHZ rad tol	MC-80C32μE-30		SB 40 600 MILs
8 Bit uC 256Bytes RAM 25 MHZ rad tol	MC-80C32μE-25		SB 40 600 MILs
8 Bit uC 256Bytes RAM 20 MHZ rad tol	MC-80C32μE-20		SB 40 600 MILs
8 Bit uC 256Bytes RAM 36 MHZ	MQ-80C32μ-36		CQPJ44
8 Bit uC 256Bytes RAM 30 MHZ	MQ-80C32μ-30		CQPJ44
8 Bit uC 256Bytes RAM 25 MHZ	MQ-80C32μ-25		CQPJ44
8 Bit uC 256Bytes RAM 20 MHZ	MQ-80C32μ-20		CQPJ44
8 Bit uC 256Bytes RAM 16 MHZ	MQ-80C32-1		CQPJ44
8 Bit uC 256Bytes RAM 12 MHZ	MQ-80C32		CQPJ44
8 Bit uC 256Bytes RAM 6 MHZ low voltage	MQ-80C32-L		CQPJ44
8 Bit uC 256Bytes RAM 36 MHZ	MR-80C32μ-36		LCC44
8 Bit uC 256Bytes RAM 30 MHZ	MR-80C32μ-30		LCC44
8 Bit uC 256Bytes RAM 25 MHZ	MR-80C32μ-25		LCC44
8 Bit uC 256Bytes RAM 20 MHZ	MR-80C32μ-20		LCC44
8 Bit uC 256Bytes RAM 16 MHZ	MR-80C32-1		LCC44

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
8 Bit uC 256Bytes RAM 12 MHZ	MR-80C32		LCC44
8 Bit uC 256Bytes RAM 6 MHZ low voltage	MR-80C32-L		LCC44
8 Bit uC 256Bytes RAM 30 MHZ rad tol	MR-80C32μE-30		LCC44
8 Bit uC 256Bytes RAM 25 MHZ rad tol	MR-80C32μE-25		LCC44
8 Bit uC 256Bytes RAM 20 MHZ rad tol	MR-80C32μE-S		LCC44
8 Bit uC 256Bytes RAM 30 MHZ rad tol	MJ-80C32μE-30		J-LCC44
8 Bit uC 256Bytes RAM 25 MHZ rad tol	MJ-80C32μE-25		J-LCC44
8 Bit uC 256Bytes RAM 20 MHZ rad tol	MJ-80C32μE-20		J-LCC44
8 Bit uC 256Bytes RAM 36 MHZ + watch dog	MD-80C154μ-36		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 30 MHZ + watch dog	MD-80C154μ-30		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 25 MHZ + watch dog	MD-80C154μ-25		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 20 MHZ +watch dog	MD-80C154μ-20		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 16 MHZ + watch dog	MD-80C154-1		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 12 MHZ + watch dog	MD-80C154		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 6 MHZ low volt + watch	MD-80C154-L		CDIL40 600 MILs
8 Bit uC 256Bytes RAM 36 MHZ + watch dog	MQ-80C154μ-36		CQPJ44
8 Bit uC 256Bytes RAM 30 MHZ + watch dog	MQ-80C154μ-30		CQPJ44
8 Bit uC 256Bytes RAM 25 MHZ + watch dog	MQ-80C154μ-25		CQPJ44
8 Bit uC 256Bytes RAM 20 MHZ +watch dog	MQ-80C154μ-20		CQPJ44
8 Bit uC 256Bytes RAM 16 MHZ + watch dog	MQ-80C154-1		CQPJ44
8 Bit uC 256Bytes RAM 12 MHZ + watch dog	MQ-80C154		CQPJ44
8 Bit uC 256Bytes RAM 6 MHZ low volt + watch	MQ-80C154-L		CQPJ44
8 Bit uC 256Bytes RAM 36 MHZ + watch dog	MR-80C154μ-36		LCC44
8 Bit uC 256Bytes RAM 30 MHZ + watch dog	MR-80C154μ-30		LCC44
8 Bit uC 256Bytes RAM 25 MHZ + watch dog	MR-80C154μ-25		LCC44
8 Bit uC 256Bytes RAM 20 MHZ +watch dog	MR-80C154μ-20		LCC44
8 Bit uC 256Bytes RAM 16 MHZ + watch dog	MR-80C154-1		LCC44
8 Bit uC 256Bytes RAM 12 MHZ + watch dog	MR-80C154		LCC44
8 Bit uC 256Bytes RAM 6 MHZ low volt + watch	MR-80C154-L		LCC44

8 Bit ROM Microcontroller

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
8Bit uC 4K Bytes ROM 36MHZ	MD-80C51μxxx-36		CDIL40 600 MILs
8Bit uC 4K Bytes ROM 30MHZ	MD-80C51μxxx-30		CDIL40 600 MILs
8Bit uC 4K Bytes ROM 25MHZ	MD-80C51μxxx-25		CDIL40 600 MILs
8Bit uC 4K Bytes ROM 20MHZ	MD-80C51μxxx-20		CDIL40 600 MILs
8Bit uC 4K Bytes ROM 16MHZ	MD-80C51xxx-1	5962-8506404QA	CDIL40 600 MILs
8Bit uC 4K Bytes ROM 12MHZ	MD-80C51xxx	5962-8506402QA	CDIL40 600 MILs
8Bit uC 4K Bytes ROM 6MHZ low voltage	MD-80C51xxx-L		CDIL40 600 MILs
8Bit uC 4K Bytes ROM 36MHZ	MQ-80C51μxxx-36		CQPJ44
8Bit uC 4K Bytes ROM 30MHZ	MQ-80C51μxxx-30		CQPJ44
8Bit uC 4K Bytes ROM 25MHZ	MQ-80C51μxxx-25		CQPJ44
8Bit uC 4K Bytes ROM 20MHZ	MQ-80C51μxxx-20		CQPJ44
8Bit uC 4K Bytes ROM 16MHZ	MQ-80C51xxx-1		CQPJ44
8Bit uC 4K Bytes ROM 12MHZ	MQ-80C51xxx		CQPJ44
8Bit uC 4K Bytes ROM 6MHZ low voltage	MQ-80C51xxx-L		CQPJ44
8Bit uC 4K Bytes ROM 36MHZ	MR-80C51μxxx-36		LCC44
8Bit uC 4K Bytes ROM 30MHZ	MR-80C51μxxx-30		LCC44
8Bit uC 4K Bytes ROM 25MHZ	MR-80C51μxxx-25		LCC44
8Bit uC 4K Bytes ROM 20MHZ	MR-80C51μxxx-20		LCC44
8Bit uC 4K Bytes ROM 16MHZ	MR-80C51xxx-1	5962-8506404XC	LCC44
8Bit uC 4K Bytes ROM 12MHZ	MR-80C51xxx	5962-8506402XC	LCC44
8Bit uC 4K Bytes ROM 6MHZ low voltage	MR-80C51xxx-L		LCC44
8Bit uC 8K Bytes ROM 36MHZ	MD-80C52μxxx-36		CDIL40 600 MILs
8Bit uC 8K Bytes ROM 30MHZ	MD-80C52μxxx-30		CDIL40 600 MILs
8Bit uC 8K Bytes ROM 25MHZ	MD-80C52μxxx-25		CDIL40 600 MILs
8Bit uC 8K Bytes ROM 20MHZ	MD-80C52μxxx-20		CDIL40 600 MILs
8Bit uC 8K Bytes ROM 16MHZ	MD-80C52xxx-1		CDIL40 600 MILs
8Bit uC 8K Bytes ROM 12MHZ	MD-80C52xxx		CDIL40 600 MILs
8Bit uC 8K Bytes ROM 6MHZ low voltage	MD-80C52xxx-L		CDIL40 600 MILs
8Bit uC 8K Bytes ROM 30MHZ rad tol	MC-80C52μExxx-30		SB 40 600 MILs
8Bit uC 8K Bytes ROM 25MHZ rad tol	MC-80C52μExxx-25		SB 40 600 MILs
8Bit uC 8K Bytes ROM 20MHZ rad tol	MC-80C52μExxx-20		SB 40 600 MILs
8Bit uC 8K Bytes ROM 36MHZ	MQ-80C52μxxx-36		CQPJ44
8Bit uC 8K Bytes ROM 30MHZ	MQ-80C52μxxx-30		CQPJ44
8Bit uC 8K Bytes ROM 25MHZ	MQ-80C52μxxx-25		CQPJ44
8Bit uC 8K Bytes ROM 20MHZ	MQ-80C52μxxx-20		CQPJ44
8Bit uC 8K Bytes ROM 16MHZ	MQ-80C52xxx-1		CQPJ44

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
8Bit uC 8K Bytes ROM 12MHZ	MQ-80C52xxx		CQPJ44
8Bit uC 8K Bytes ROM 6MHZ low voltage	MQ-80C52xxx-L		CQPJ44
8Bit uC 8K Bytes ROM 36MHZ	MR-80C52μxxx-36		LCC44
8Bit uC 8K Bytes ROM 30MHZ	MR-80C52μxxx-30		LCC44
8Bit uC 8K Bytes ROM 25MHZ	MR-80C52μxxx-25		LCC44
8Bit uC 8K Bytes ROM 20MHZ	MR-80C52μxxx-20		LCC44
8Bit uC 8K Bytes ROM 16MHZ	MR-80C52xxx-1		LCC44
8Bit uC 8K Bytes ROM 12MHZ	MR-80C52xxx		LCC44
8Bit uC 8K Bytes ROM 6MHZ low voltage	MR-80C52xxx-L		LCC44
8Bit uC 8K Bytes ROM 30MHZ rad tol	MR-80C52μExxx-30		LCC44
8Bit uC 8K Bytes ROM 25MHZ rad tol	MR-80C52μExxx-25		LCC44
8Bit uC 8K Bytes ROM 20MHZ rad tol	MR-80C52μExxx-20		LCC44
8Bit uC 8K Bytes ROM 30MHZ rad tol	MJ-80C52μExxx-30		J-LCC44
8Bit uC 8K Bytes ROM 25MHZ rad tol	MJ-80C52μExxx-25		J-LCC44
8Bit uC 8K Bytes ROM 20MHZ rad tol	MJ-80C52μExxx-20		J-LCC44
8 Bit uC 16K Bytes RAM 36 MHZ + watch dog	MD-83C154μ-36		CDIL40 600 MILs
8 Bit uC 16K Bytes RAM 30 MHZ + watch dog	MD-83C154μ-30		CDIL40 600 MILs
8 Bit uC 16K Bytes RAM 25 MHZ + watch dog	MD-83C154μ-25		CDIL40 600 MILs
8 Bit uC 16K Bytes RAM 20 MHZ +watch dog	MD-83C154μ-20		CDIL40 600 MILs
8 Bit uC 16K Bytes RAM 16 MHZ + watch dog	MD-83C154-1		CDIL40 600 MILs
8 Bit uC 16K Bytes RAM 12 MHZ + watch dog	MD-83C154		CDIL40 600 MILs
8 Bit uC 16K Bytes RAM 6 MHZ low volt + watch	MD-83C154-L		CDIL40 600 MILs
8 Bit uC 16K Bytes RAM 36 MHZ + watch dog	MQ-83C154μ-36		CQPJ44
8 Bit uC 16K Bytes RAM 30 MHZ + watch dog	MQ-83C154μ-30		CQPJ44
8 Bit uC 16K Bytes RAM 25 MHZ + watch dog	MQ-83C154μ-25		CQPJ44
8 Bit uC 16K Bytes RAM 20 MHZ +watch dog	MQ-83C154μ-20		CQPJ44
8 Bit uC 16K Bytes RAM 16 MHZ + watch dog	MQ-83C154-1		CQPJ44
8 Bit uC 16K Bytes RAM 12 MHZ + watch dog	MQ-83C154		CQPJ44
8 Bit uC 16K Bytes RAM 6 MHZ low volt + watch	MQ-83C154-L		CQPJ44

DESCRIPTION	MHS P/N	SMD (DESC)	PACKAGE
8 Bit uC 16K Bytes RAM 36 MHZ + watch dog	MR-83C154 μ -36		LCC44
8 Bit uC 16K Bytes RAM 30 MHZ + watch dog	MR-83C154 μ -30		LCC44
8 Bit uC 16K Bytes RAM 25 MHZ + watch dog	MR-83C154 μ -25		LCC44
8 Bit uC 16K Bytes RAM 20 MHZ + watch dog	MR-83C154 μ -20		LCC44
8 Bit uC 16K Bytes RAM 16 MHZ + watch dog	MR-83C154-1		LCC44
8 Bit uC 16K Bytes RAM 12 MHZ + watch dog	MR-83C154		LCC44
8 Bit uC 16K Bytes RAM 6 MHZ low volt + watch	MR-83C154-L		LCC44

ASICs & ASSPs

Total Capability in Integration

Functions :

- Sensors
- Control/compute
- Communicate/interface
- Memorize
- Activate
- Power

Processes :

- Digital CMOS, BICMOS
- Digital Rad tolerant CMOS, BICMOS

Quality :

- ISO 9001
- Mil/space
- Automotive
- Rugged

Performance :

- Low/high voltage
- Low power
- From DC to GHz
- High precision
- High integration

Packaging :

- Multichip modules
- Hybrid
- Surface mount
- Plastic/ceramic
- Tab

Methodologies :

- Sea of gates
- Standard cell
- Automated Custom
- Composite array
- ASSP

Services :

- Sourcing expertise
- Consultancy
- Training
- Design
- Technical centers
- PLD/FPGA replacement

Digital Capability

Sea of Gates

MHS Sea of Gates series pushes the limits of integration and speed for key market sectors such as Telecom, Defence or Aerospace. Using 3 metal layers 0.6 micron CMOS, integration can reach 465 000 cells/480 I/O's. Clock rates in excess of 200 MHz are achievable, as well as drastic die size improvements thanks to process and high silicon use.

Features Summary – Sea of Gates / Composite Sea of Gates

High Level System Integration :

High Speed/Low Power/High Integration
Embedded PLL for clock generation
Power on reset

Libraries

- Flexible I/O's, CMOS, TTL, BTL, Pseudo ECL fast and/or noise controlled
- PLL 200 MHz
- DPR, FIFO Generators up to 72 K bits
- Hard Blocks, Various protocol controllers : HDLC, X21, V110 ...
- Embedded Megacells : VAN, ATM, Smart RAMs ...

Platforms

- Cadence, Mentor, Synopsis
- VHDL Tools
- Floor planning Tools
- Timing driven Layout
- R, L, C Packaging Simulation

Physical Implementation

- CMOS 0.6 μ 3 metal layers
- From 3 k gates 44 I/O's up to 465 k gates 480 I/O's
- Mixed power supply 3 V and 5 V
- Very low power consumption 0.75 μ W/3 V per gate

CMOS Sea of Gates

Part Number	Function	Key Features	Source
MG : CMOS sea of gate family (*)	Gate array 5 V or 3.3 V	Line width 0.6 μ , 3 metal layers Cells from 3 K to 465 K I/O from 44 to 480 Clock rate greater than 200 MHz (PLL) Mixed power supply, 3 V and 5 V Very low power consumption, 0.75 μ W/MHz/gate @ 3 V	MHS

(*) Available in radiation tolerant versions (RT process). Please contact your sales office.

Type	Total Cells	Usable Gates RANDOM	Usable Memory Gates	Maximum I/O	Total Pads	Availability
MG1000	789	600	1600	24	42	TBD
MG1001	1566	1100	3100	32	50	TBD
MG1002	2046	1400	4100	30	54	Q1/95
MG1004	3608	2500	7200	48	66	Jan95
MG1009	8970	6300	17900	72	90	Q1/95
MG1014	13846	9700	27700	88	106	Q1/95
MG1020	19879	13900	39800	104	122	TBD
MG1033	32868	23000	65700	130	148	Dec94
MG1042	41869	29300	83700	146	164	TBD
MG1052	51958	36400	103900	162	180	TBD
MG1070	70059	49000	140100	188	206	Dec94
MG1090	88536	62000	177100	212	230	TBD
MG1120	118472	82900	236900	244	262	Feb95
MG1140	140049	98000	280000	264	282	Available
MG1200	196384	137500	392800	312	330	TBD
MG1265	264375	185100	528800	360	378	Available
MG1350	346203	242300	692400	412	430	Q2/95
MG1480	480250	336200	960500	484	502	Q3/95

Matrix planning available

Gate Arrays

MHS has an extended gate array family providing full solutions to customers. Several technologies 0.85 μ CMOS and BICMOS. A BiCMOS process is available to support high speed digital applications such as Network, 2 metal, offer speed and high levels of integration : ATM, Image processing etc.

CMOS gate Arrays

Part Number	Function	Key Features	Source
MC : CMOS family (*)	Gate arrays 5 V or 3.3 V	Super CMOS technology – 1 μ m drawn – 2 metal layers Silicon gate 0.8 μ m effective channel length High speed performance : – 0.4 ns typical gate delay (nand 2 – fanout 2) – 150 MHz typical toggle frequency Low supply current : – 1 μ A/gate/MHz (operating) – 0.4 nA/gate (stand-by) Flexible I/O configuration : input, output, three-state VCC & VSS Integrated d-latch (optional) in every I/O Programmable output drive from 3.2 to 12.8 mA (2 to 8 TTL loads) Excellent ESD & latch-up immunity Dedicated software for optimum memory integrations	MHS

(*) Available in radiation tolerant versions (RT process). Please contact your sales office.

Type	Total gates	Usable Gates	Maximum I/O	Total Pads
MCT04K	364	330	28	32
MCT08K (*)	836	760	40	44
MCT2K (*)	2040	1800	64	68
MC5K (*)	5040	4500	86	90
MCT8K (*)	7292	7200	124	128
MC10K (*)	10000	9000	122	126
MCT12K (*)	11780	10500	156	160
MCR22K (*)	21925	15200	144	148
MCT29K (*)	29000	20000	196	200
MCR35K (*)	35040	24000	182	186
MCR50K (*)	50512	35000	216	220
MCT66K	66000	46000	276	292
MCT86K	86000	60000	316	332

Available in radiation tolerant versions (RT process). Please contact your sales office.

* ESA Qualification Parts List (QPL) in Q2 1995.

BiCMOS gate Arrays

Part Number	Function	Key Features	Source
MF : BiCMOS family (*)	Gate arrays 5 V or 3.3 V	BiCMOS technology – CMOS 0.85 μm drawn, 2 metal + NPN BIPOLAR transistors Silicon gate 0.7 μm effective channel length Large range of operating modes : – CMOS/TTL/PSEUDO ECL, (0 – +5 V) – ECL (–5 – 0) – Mixed supplies (–5 V – 0 – +5 V) High speed performance : – CMOS nand2 typ. delay : 0.44 ns (fanout 4) – BiCMOS nand2 typ. delay : 0.29 ns (fanout 4) – TTL input buffer delay : 0.95 ns (fanout \leq 10) – 32 mA TTL fast output buffer : 32 ns (load : R = 390 Ω , C = 50 pF) – 32 mA ECL output buffer : 0.75 ns (load : R = 50 Ω , C = 15 pF) Flexible I/O configuration : input, output, three-state, BI-directional, VCC, GND VEE 10K, 100K ECL standards supported programmable output drive from 3.2 to 40 mA (sink, source), (64 mA with parallel buffers) DFF available in any I/O Dedicated software for memory automatic generation Excellent ESD protection Latch-up free Max toggle frequency : 500 MHz	MHS

Type	Total gates	Usable Gates	Maximum I/O	Total Pads
MF5K (*)	5220	4700	76	92
MF13K (*)	13536	12100	120	136
MF32K (*)	32832	26300	186	202
MF50K (*)	50196	37700	232	248
MF92K	92232	64500	316	332

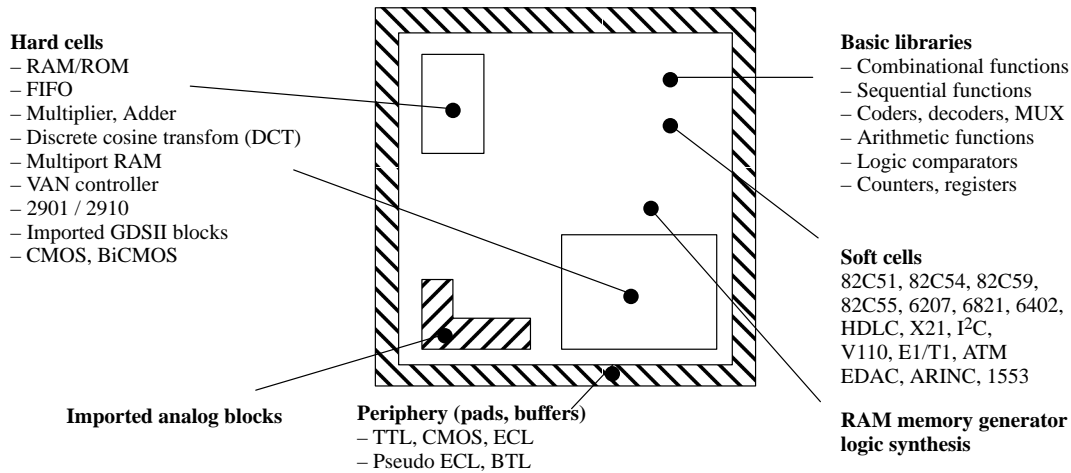
* Available in radiation tolerant versions (RT process). Please contact your sales office.

ASSPs

Part Number	Package	Function	Key features
29C429	CQPJ68/CPGA68	Arinc 429	2 Transmitters / 4 receivers single chip
29C80	132 pin CQFPL	Discrete cosine transformer (DCT)	Compression / Decompression up to 10 MHz
29C80A*	44 pin MQFPJ	Fast discrete cosine transformer (DCT)	Compression / Decompression up to 25 MHz
29C800*	160 pin MQFPL	Multimedia DCT – codec JPEG / MPEG / H261	User configurable device ~ 20 K gates + 12 Kbits SRAM
29C810*	160 pin MQFPL	Multimedia DCT – codec JPEG / MPEG / H261	User configurable device ~ 20 K gates

* Contact your sales office.

Composite Arrays – MCM/MFM/MGM/MCMA CMOS & BiCMOS Families



Main Benefits

- Gate array flexibility :
 - Short design and production cycle
 - Same design tools
 - Customization of last layers
 - Low cost modifications and derived products
 - Generated and imported blocks
 - High integrated level : up to 4000 gates/mm² (Depending on the number of blocks)

ATM physical layer library of hard cells

- Comlib is a generic library of ATM physical layer hard cells defined for data transmission and reception up to 622 MHz serial communication and serialisation / deserialisation
- PLL serial clock generator
- PLL clock recovery from random NRZ datas to 622 Mbit/s

Foundry Services

Technology	Well	Geometry (microns)	Poly Layers	Metal Layers	Operating Voltage	Process Features		
						Digital Density	Analog Performance	Speed
Digital Series								
SCMOS 1/2	N	0.85	1	1	5/3	high	low	fast
SCMOS 1/2	N	0.85	1	2	5/3	high	low	fast
SCMOS 2	Twin	0.6	1	2	5/3	high	low	fast
SCMOS 2	Twin	0.6	1	3	5/3	high	low	fast
BiCMOS	Twin	0.85	1	2	5/3	high	high	ultra fast
Radiation Tolerant Series (10 to 100 Krads)								
SCMOS 1/2 RT	N	1	1	2	5	high	low	fast
BICMOS RT	Twin	0.85	1	2	5	high	high	ultra fast

Full Custom Integration

- ASIC offering for very high volume production
- Silicon optimization done by dedicated design teams
- Design handled from complete specification
- Retargetting service also available

Silicon Compilation

- Qualified on COMPASS tools with 0,85 µm and 0,6 µm standard cells libraries and compilers

Foundry Service

- Wide range of processes
- Design rules available under non disclosure agreement
- Design done by customer and manufactured by TEMIC
- Data exchanges through GDSII standard
- Delivery in wafer form, die form and/or packaged parts
- Test service available

Radiation Tolerant Products (RT)

Radiation Tolerant Memories

DESCRIPTION	MHS P/N	SCC SPEC NUMBER	PACKAGE
16K SRAM			
70ns 50uA 2Kx8 SRAM rad tol	HM4 -65162EB	SCC930101504	LCC32
85ns 50uA 2Kx8 SRAM rad tol	HM4 -65162E	SCC930101502	LCC32
70ns 50uA 2Kx8 SRAM rad tol	HMC -65162EB	SCC930101503	SB24 600 MILs
85ns 50uA 2Kx8 SRAM rad tol	HMC -65162E	SCC930101501	SB24 600 MILs
70ns 50uA 16Kx1 SRAM rad tol	HM4 -65262EB	SCC930101804	LCC20
85ns 50uA 16Kx1 SRAM rad tol	HM4 -65262E	SCC930101802	LCC20
70ns 50uA 16Kx1 SRAM rad tol	HMC -65262EB	SCC930101803	SB20 600 MILs
85ns 50uA 16Kx1 SRAM rad tol	HMC -65262E	SCC930101801	SB20 600 MILs
64K SRAM			
45ns 50uA 8Kx8 SRAM rad tol *	HMD -65664EB	SCC930102908	FP28 400MILs
55ns 50uA 8Kx8 SRAM rad tol *	HMD -65664E	SCC930102904	FP28 400MILs
45ns 50uA 8Kx8 SRAM rad tol	HM4 -65664EB	SCC930102907	LCC32
55ns 50uA 8Kx8 SRAM rad tol	HM4 -65664E	SCC930102903	LCC32
45ns 50uA 8Kx8 SRAM rad tol	HMC -65664EB	SCC930102905	SB28 300 MILs
55ns 50uA 8Kx8 SRAM rad tol	HMC -65664E	SCC930102901	SB28 300 MILs
45ns 50uA 8Kx8 SRAM rad tol	HMCE -65664EB		SB28 600 MILs
55ns 50uA 8Kx8 SRAM rad tol	HMCE -65664E		SB28 600 MILs
45ns 50uA 64Kx1 SRAM rad tol	HMD -65687EB		FP24 500 MILs
55ns 50uA 64Kx1 SRAM rad tol	HMD -65687E		FP24 500 MILs
45ns 50uA 64Kx1 SRAM rad tol	HM4 -65687EB	SCC930102606	LCC22
55ns 50uA 64Kx1 SRAM rad tol	HM4 -65687E	SCC930102603	LCC22
45ns 50uA 64Kx1 SRAM rad tol	HMC -65687EB	SCC930102604	SB22 300 MILs
55ns 50uA 64Kx1 SRAM rad tol	HMC -65687E	SCC930102601	SB22 300 MILs
45ns 50uA 64Kx1 SRAM rad tol	HMCE -65687EB		SB22 600 MILs
55ns 50uA 64Kx1 SRAM rad tol	HMCE -65687E		SB22 600 MILs
256K SRAM			
45ns 100uA 32Kx8 SRAM rad tol	MMDP-65656EV-55	SCC930103003	FP28 400 MILs
55ns 100uA 32Kx8 SRAM rad tol	MMDP-65656EV-45	SCC930103006	FP28 400 MILs
45ns 100uA 32Kx8 SRAM rad tol	MMCP-65656EV-55	SCC930103001	SB28 300 MILs
55ns 100uA 32Kx8 SRAM rad tol	MMCP-65656EV-45	SCC930103004	SB28 300 MILs

* Please contact your sales office.

DESCRIPTION	MHS P/N	SCC SPEC NUMBER	PACKAGE
256K SRAM			
45ns 100uA 32Kx8 SRAM rad tol	MMCI-65656EV-55	SCC930103002	SB28 600 MILs
55ns 100uA 32Kx8 SRAM rad tol	MMCI-65656EV-45	SCC930103005	SB28 600 MILs
55ns 100uA 256Kx1 SRAM rad tol	MMDP-65697EV-55	SCC930103802	FP28 400 MILs
45ns 100uA 256Kx1 SRAM rad tol	MMDP-65697EV-45	SCC930103804	FP28 400 MILs
55ns 100uA 256Kx1 SRAM rad tol	MMCZ-65697EV-55	SCC930103801	SB24 300 MILs
45ns 100uA 256Kx1 SRAM rad tol	MMCZ-65697EV-45	SCC930103803	SB24 300 MILs
1M BIT SRAM			
45 ns 300μA 128Kx8 SRAM rad tol *	MMD1-65608E V-45		FP32 400 MILs
35 ns 300μA 128Kx8 SRAM rad tol *	MMD1-65608E V-35		FP32 400 MILs
45 ns 300μA 128Kx8 SRAM rad tol *	MM4J-65608E V-45		LCC32
35 ns 300μA 128Kx8 SRAM rad tol *	MM4J-65608E V-35		LCC32
45 ns 300μA 128Kx8 SRAM rad tol *	MMCJ-65608E V-45		SB32 400 MILs
35 ns 300μA 128Kx8 SRAM rad tol *	MMCJ-65608E V-35		SB32 400 MILs
45 ns 300μA 1M SRAM rad tol *	MMD1-65601EV-45		FP32 400 MILs
35 ns 300μA 1M SRAM rad tol *	MMD1-65601EV-35		FP32 400 MILs
45 ns 300μA 1M SRAM rad tol *	MM4J-65601EV-45		LCC32
35 ns 300μA 1M SRAM rad tol *	MM4J-65601EV-35		LCC32
45 ns 300μA 1M SRAM rad tol *	MMCJ-65601EV-45		SB32 400 MILs
35 ns 300μA 1M SRAM rad tol *	MMCJ-65601EV-35		SB32 400 MILs
45 ns 300μA 256Kx4 SRAM rad tol *	MMD1-65604EV-45		FP32 400 MILs
35 ns 300μA 256Kx4 SRAM rad tol *	MMD1-65604EV-35		FP32 400 MILs
45 ns 300μA 256Kx4 SRAM rad tol *	MM4J-65604EV-45		LCC32
35 ns 300μA 256Kx4 SRAM rad tol *	MM4J-65604EV-35		LCC32
45 ns 300μA 256Kx4 SRAM rad tol *	MMCJ-65604EV-45		SB32 400 MILs
35 ns 300μA 256Kx4 SRAM rad tol *	MMCJ-65604EV-35		SB32 400 MILs

* Please contact your sales office.

DESCRIPTION	MHS P/N	SCC SPEC NUMBER	PACKAGE
1Kx8 DPR			
55ns 1Kx8 DPR MASTER 200µA rad tol	MMDK-67130EV-55		FP48 400 MILs
45ns 1Kx8 DPR MASTER 200µA rad tol	MMDK-67130EV-45		FP48 400 MILs
55ns 1Kx8 DPR MASTER 200µA rad tol	MM4K-67130EV-55		LCC48
45ns 1Kx8 DPR MASTER 200µA rad tol	MM4K-67130EV-45		LCC48
55ns 1Kx8 DPR MASTER 200µA rad tol	MMCK-67130EV-55		SB48 600MILs
45ns 1Kx8 DPR MASTER 200µA rad tol	MMCK-67130EV-45		SB48 600MILs
55ns 1Kx8 DPR SLAVE 200µA rad tol	MMDK-67140EV-55		FP48 400 MILs
45ns 1Kx8 DPR SLAVE 200µA rad tol	MMDK-67140EV-45		FP48 400 MILs
55ns 1Kx8 DPR SLAVE 200µA rad tol	MM4K-67140EV-55		LCC48
45ns 1Kx8 DPR SLAVE 200µA rad tol	MM4K-67140EV-45		LCC48
55ns 1Kx8 DPR SLAVE 200µA rad tol	MMCK-67140EV-55		SB48 600MILs
45ns 1Kx8 DPR SLAVE 200µA rad tol	MMCK-67140EV-45		SB48 600MILs
2Kx8 DPR			
45ns 2Kx8 DPR MASTER rad tol 200µA	MM4K-67132EV-45	SCC9301033xy	LCC48
55ns 2Kx8 DPR MASTER rad tol 200µA	MM4K-67132EV-55	SCC9301033xy	LCC48
45ns 2Kx8 DPR MASTER rad tol 200µA	MMCK-67132EV-45	SCC9301033xy	SB48 600MILs
55ns 2Kx8 DPR MASTER rad tol 200µA	MMCK-67132EV-55	SCC9301033xy	SB48 600MILs
45ns 2Kx8 DPR MASTER rad tol 200µA	MMDK-67132EV-45	SCC9301033xy	FP48 400 MILs
55ns 2Kx8 DPR MASTER rad tol 200µA	MMDK-67132EV-55	SCC9301033xy	FP48 400 MILs
45ns 2Kx8 DPR MASTER with INT 200µA rad tol	* MM4K-671321EV-45		LCC48
55ns 2Kx8 DPR MASTER with INT 200µA rad tol	* MM4K-671321EV-55		LCC48
45ns 2Kx8 DPR MASTER with INT 200µA rad tol	* MMCK-671321EV-45		SB48 600MILs
55ns 2Kx8 DPR MASTER with INT 200µA rad tol	* MMCK-671321EV-55		SB48 600MILs
45ns 2Kx8 DPR MASTER with INT 200µA rad tol	* MMDK-671321EV-45		FP48 400 MILs
55ns 2Kx8 DPR MASTER with INT 200µA rad tol	* MMDK-671321EV-55		FP48 400 MILs
45ns 2Kx8 DPR SLAVE 200µA rad tol	MM4K-67142EV-45	SCC9301033xy	LCC48
55ns 2Kx8 DPR SLAVE 200µA rad tol	MM4K-67142EV-55	SCC9301033xy	LCC48
45ns 2Kx8 DPR SLAVE 200µA rad tol	MMCK-67142EV-45	SCC9301033xy	SB48 600MILs

* Please contact your sales office.
xy : variant number not yet known.

DESCRIPTION	MHS P/N	SCC SPEC NUMBER	PACKAGE
2Kx8 DPR			
55ns 2Kx8 DPR SLAVE 200µA rad tol	MMCK-67142EV-55	SCC9301033xy	SB48 600MILs
45ns 2Kx8 DPR SLAVE 200µA rad tol	MMDK-67142EV-45	SCC9301033xy	FP48 400 MILs
55ns 2Kx8 DPR SLAVE 200µA rad tol	MMDK-67142EV-55	SCC9301033xy	FP48 400 MILs
45ns 2Kx8 DPR SLAVE with INT 200µA rad tol *	MM4K-671421EV-45		LCC48
55ns 2Kx8 DPR SLAVE with INT 200µA rad tol *	MM4K-671421EV-55		LCC48
45ns 2Kx8 DPR SLAVE with INT 200µA rad tol *	MMCK-671421EV-45		SB48 600MILs
55ns 2Kx8 DPR SLAVE with INT 200µA rad tol *	MMCK-671421EV-55		SB48 600MILs
45ns 2Kx8 DPR SLAVE with INT 200µA rad tol *	MMDK-671421EV-45		FP48 400 MILs
55ns 2Kx8 DPR SLAVE with INT 200µA rad tol *	MMDK-671421EV-55		FP48 400 MILs
4Kx8 DPR			
25ns 4Kx8 DPR 200µA rad tol *	MM4K-67134EV-25		LCC48
30ns 4Kx8 DPR 200µA rad tol *	MM4K-67134EV-30		LCC48
40ns 4Kx8 DPR 200µA rad tol *	MM4K-67134EV-40		LCC48
50ns 4Kx8 DPR 200µA rad tol *	MM4K-67134EV-50		LCC48
25ns 4Kx8 DPR 200µA rad tol *	MMCK-67134EV-25		SB48 600MILs
30ns 4Kx8 DPR 200µA rad tol *	MMCK-67134EV-30		SB48 600MILs
40ns 4Kx8 DPR 200µA rad tol *	MMCK-67134EV-40		SB48 600MILs
50ns 4Kx8 DPR 200µA rad tol *	MMCK-67134EV-50		SB48 600MILs
25ns 4Kx8 DPR 200µA rad tol *	MMDK-67134EV-25		FP48 400 MILs
30ns 4Kx8 DPR 200µA rad tol *	MMDK-67134EV-30		FP48 400 MILs
40ns 4Kx8 DPR 200µA rad tol *	MMDK-67134EV-40		FP48 400 MILs
50ns 4Kx8 DPR 200µA rad tol *	MMDK-67134EV-50		FP48 400 MILs
25ns 4Kx8 DPR + SEM 200µA rad tol *	MM43-671342EV-25		LCC52
30ns 4Kx8 DPR + SEM 200µA rad tol *	MM43-671342EV-30		LCC52
40ns 4Kx8 DPR + SEM 200µA rad tol *	MM43-671342EV-40		LCC52
50ns 4Kx8 DPR + SEM 200µA rad tol *	MM43-671342EV-50		LCC52
25ns 4Kx8 DPR + SEM 200µA rad tol *	MMD3-671342EV-25		FP52 400 MILs
30ns 4Kx8 DPR + SEM 200µA rad tol *	MMD3-671342EV-30		FP52 400 MILs

* Please contact your sales office.

DESCRIPTION	MHS P/N	SCC SPEC NUMBER	PACKAGE
4Kx8 DPR			
40ns 4Kx8 DPR + SEM 200µA rad tol *	MMD3-671342EV-40		FP52 400 MILs
50ns 4Kx8 DPR + SEM 200µA rad tol *	MMD3-671342EV-50		FP52 400 MILs
8Kx8 DPR			
55 ns 8Kx8 DPR 400µA rad tol	MMDM-67005EV-55		FP68 400 MILs
45 ns 8Kx8 DPR 400µA rad tol	MMDM-67005EV-45		FP68 400 MILs
55 ns 8Kx8 DPR 400µA rad tol	MM40-67005EV-55		LCC68
45 ns 8Kx8 DPR 400µA rad tol	MM40-67005EV-45		LCC68
4Kx16 DPR			
55ns 4Kx16 DPR 400µA rad tol	MMK2-67024EV-55	SCC930103403	MQFPF84 50 MILs
45ns 4Kx16 DPR 400µA rad tol	MMK2-67024EV-45	SCC930103401	MQFPF84 50 MILs
55ns 4Kx16 DPR 400µA rad tol	MM4R-67024EV-55	SCC930103404	LCC84 40 MILs
45ns 4Kx16 DPR 400µA rad tol	MM4R-67024EV-45	SCC930103402	LCC84 40 MILs
55ns 4Kx16 DPR 400µA rad tol	MM42-67024EV-55		LCC84 50 MILs
45ns 4Kx16 DPR 400µA rad tol	MM42-67024EV-45		LCC84 50 MILs
8Kx16 DPR			
55ns 8Kx16 DPR 400µA rad tol	MMK2-67025EV-55		MQFPF84 50 MILs
45ns 8Kx16 DPR 400µA rad tol	MMK2-67025EV-45		MQFPF84 50 MILs
35ns 8Kx16 DPR 400µA rad tol	MMK2-67025EV-35		MQFPF84 50 MILs
55ns 8Kx16 DPR 400µA rad tol	MM4R-67025EV-55		LCC84 40 MILs
45ns 8Kx16 DPR 400µA rad tol	MM4R-67025EV-45		LCC84 40 MILs
35ns 8Kx16 DPR 400µA rad tol	MM4R-67025EV-35		LCC84 40 MILs

* Please contact your sales office.

DESCRIPTION	MHS P/N	SCC SPEC NUMBER	PACKAGE
512x9 FIFO			
55ns 4Kx16 DPR 400µA rad tol	MM42-67024EV-55		LCC84 50 MILs
45ns 4Kx16 DPR 400µA rad tol	MM42-67024EV-45		LCC84 50 MILs
50ns 512X9 FIFO 80 µA rad tol	MMDP-67201FV-50		FP28 400 MILs
40ns 512X9 FIFO 80 µA rad tol	MMDP-67201FV-40		FP28 400 MILs
30ns 512X9 FIFO 80 µA rad tol	MMDP-67201FV-30		FP28 400 MILs
50ns 512X9 FIFO 80 µA rad tol	MM4J-67201FV-50		LCC 32
40ns 512X9 FIFO 80 µA rad tol	MM4J-67201FV-40		LCC 32
30ns 512X9 FIFO 80 µA rad tol	MM4J-67201FV-30		LCC 32
50ns 512X9 FIFO 80 µA rad tol	MMCP-67201FV-50		SB28 300 MILs
40ns 512X9 FIFO 80 µA rad tol	MMCP-67201FV-40		SB28 300 MILs
30ns 512X9 FIFO 80 µA rad tol	MMCP-67201FV-30		SB28 300 MILs
1Kx9 FIFO			
50ns 1024X9 FIFO 80 µA rad tol	MMDP-67202FV-50	SCC930103209	FP28 400 MILs
40ns 1024X9 FIFO 80 µA rad tol	MMDP-67202FV-40	SCC930103206	FP28 400 MILs
30ns 1024X9 FIFO 80 µA rad tol	MMDP-67202FV-30	SCC930103203	FP28 400 MILs
50ns 1024X9 FIFO 80 µA rad tol	MM4J-67202FV-50	SCC930103208	LCC32
40ns 1024X9 FIFO 80 µA rad tol	MM4J-67202FV-40	SCC930103205	LCC32
30ns 1024X9 FIFO 80 µA rad tol	MM4J-67202FV-30	SCC930103202	LCC32
50ns 1024X9 FIFO 80 µA rad tol	MMCP-67202FV-50	SCC930103207	SB28 300 MILs
40ns 1024X9 FIFO 80 µA rad tol	MMCP-67202FV-40	SCC930103204	SB28 300 MILs
30ns 1024X9 FIFO 80 µA rad tol	MMCP-67202FV-30	SCC930103201	SB28 300 MILs
2Kx9 FIFO			
50ns 2048X9 FIFO 200 µA rad tol	MMDP-67203EV-50	SCC930103509	FP28 400 MILs
40ns 2048X9 FIFO 200 µA rad tol	MMDP-67203EV-40	SCC930103506	FP28 400 MILs
30ns 2048X9 FIFO 200 µA rad tol	MMDP-67203EV-30	SCC930103503	FP28 400 MILs
50ns 2048X9 FIFO 200 µA rad tol	MM4J-67203EV-50	SCC930103508	LCC32
40ns 2048X9 FIFO 200 µA rad tol	MM4J-67203EV-40	SCC930103505	LCC32
30ns 2048X9 FIFO 200 µA rad tol	MM4J-67203EV-30	SCC930103502	LCC32
50ns 2048X9 FIFO 200 µA rad tol	MMCP-67203EV-50	SCC930103507	SB28 300 MILs
40ns 2048X9 FIFO 200 µA rad tol	MMCP-67203EV-40	SCC930103504	SB28 300 MILs
30ns 2048X9 FIFO 200 µA rad tol	MMCP-67203EV-30	SCC930103501	SB28 300 MILs
4Kx9 FIFO			
50ns 4096X9 FIFO 200 µA rad tol	MMDP-67204EV-50		FP28 400 MILs
40ns 4096X9 FIFO 200 µA rad tol	MMDP-67204EV-40		FP28 400 MILs
30ns 4096X9 FIFO 200 µA rad tol	MMDP-67204EV-30		FP28 400 MILs

DESCRIPTION	MHS P/N	SCC SPEC NUMBER	PACKAGE
4Kx9 FIFO			
50ns 4096X9 FIFO 200 μ A rad tol	MM4J-67204EV-50		LCC32
40ns 4096X9 FIFO 200 μ A rad tol	MM4J-67204EV-40		LCC32
30ns 4096X9 FIFO 200 μ A rad tol	MM4J-67204EV-30		LCC32
50ns 4096X9 FIFO 200 μ A rad tol	MMCP-67204EV-50		SB28 300 MILs
40ns 4096X9 FIFO 200 μ A rad tol	MMCP-67204EV-40		SB28 300 MILs
30ns 4096X9 FIFO 200 μ A rad tol	MMCP-67204EV-30		SB28 300 MILs
8Kx9 FIFO			
50ns 8192X9 FIFO 400 μ A rad tol	MMDP-67205EV-50		FP28 400 MILs
40ns 8192X9 FIFO 400 μ A rad tol	MMDP-67205EV-40		FP28 400 MILs
50ns 8192X9 FIFO 400 μ A rad tol	MM4J-67205EV-50		LCC 32
40ns 8192X9 FIFO 400 μ A rad tol	MM4J-67205EV-40		LCC 32
50ns 8192X9 FIFO 400 μ A rad tol	MMCP-67205EV-50		SB28 300 MILs
40ns 8192X9 FIFO 400 μ A rad tol	MMCP-67205EV-40		SB28 300 MILs
16Kx9 FIFO			
50ns 200 μ A 16Kx9 FIFO rad tol	* MMDP-67206EV-50		FP28 400 MILs
40ns 200 μ A 16Kx9 FIFO rad tol	* MMDP-67206EV-40		FP28 400 MILs
30ns 200 μ A 16Kx9 FIFO rad tol	* MMDP-67206EV-30		FP28 400 MILs
25ns 200 μ A 16Kx9 FIFO rad tol	* MMDP-67206EV-25		FP28 400 MILs
20ns 200 μ A 16Kx9 FIFO rad tol	* MMDP-67206EV-20		FP28 400 MILs
50ns 200 μ A 16Kx9 FIFO rad tol	* MM4J-67206EV-50		LCC32
40ns 200 μ A 16Kx9 FIFO rad tol	* MM4J-67206EV-40		LCC32
30ns 200 μ A 16Kx9 FIFO rad tol	* MM4J-67206EV-30		LCC32
25ns 200 μ A 16Kx9 FIFO rad tol	* MM4J-67206EV-25		LCC32
20ns 200 μ A 16Kx9 FIFO rad tol	* MM4J-67206EV-20		LCC32
50ns 200 μ A 16Kx9 FIFO rad tol	* MMCP-67206EV-50		SB28 300 MILs
40ns 200 μ A 16Kx9 FIFO rad tol	* MMCP-67206EV-40		SB28 300 MILs
30ns 200 μ A 16Kx9 FIFO rad tol	* MMCP-67206EV-30		SB28 300 MILs
25ns 200 μ A 16Kx9 FIFO rad tol	* MMCP-67206EV-25		SB28 300 MILs
20ns 200 μ A 16Kx9 FIFO rad tol	* MMCP-67206EV-20		SB28 300 MILs
50ns 200 μ A 16Kx9 FIFO rad tol	* MMCI-67206EV-50		SB28 600 MILs
40ns 200 μ A 16Kx9 FIFO rad tol	* MMCI-67206EV-40		SB28 600 MILs
30ns 200 μ A 16Kx9 FIFO rad tol	* MMCI-67206EV-30		SB28 600 MILs
25ns 200 μ A 16Kx9 FIFO rad tol	* MMCI-67206EV-25		SB28 600 MILs
20ns 200 μ A 16Kx9 FIFO rad tol	* MMCI-67206EV-20		SB28 600 MILs

* Please contact your sales office.x

Radiation Tolerant Microcontrollers & Microprocessors

8 BIT MICROCONTROLLERS			
8 Bit uC 128 Bytes RAM 12 MHZ rad tol	MJ-80C31E		J-LCC44
8 Bit uC 128 Bytes RAM 12 MHZ rad tol	MR-80C31E		LCC44
8 Bit uC 128 Bytes RAM 12 MHZ rad tol	MC-80C31E	SCC952100101	SB 40 600 MILs
8 Bit uC 256Bytes RAM 20 MHZ rad tol	MJ-80C32μE-20		J-LCC44
8 Bit uC 256Bytes RAM 25 MHZ rad tol	MJ-80C32μE-25		J-LCC44
8 Bit uC 256Bytes RAM 30 MHZ rad tol	MJ-80C32μE-30		J-LCC44
8 Bit uC 256Bytes RAM 20 MHZ rad tol	MR-80C32μE-20		LCC44
8 Bit uC 256Bytes RAM 25 MHZ rad tol	MR-80C32μE-25		LCC44
8 Bit uC 256Bytes RAM 30 MHZ rad tol	MR-80C32μE-30		LCC44
8 Bit uC 256Bytes RAM 20 MHZ rad tol	MC-80C32μE-20		SB 40 600 MILs
8 Bit uC 256Bytes RAM 25 MHZ rad tol	MC-80C32μE-25		SB 40 600 MILs
8 Bit uC 256Bytes RAM 30 MHZ rad tol	MC-80C32μE-30		SB 40 600 MILs
8Bit uC 8K Bytes ROM 20MHZ rad tol	MJ-80C52μExxx-20		J-LCC44
8Bit uC 8K Bytes ROM 25MHZ rad tol	MJ-80C52μExxx-25		J-LCC44
8Bit uC 8K Bytes ROM 30MHZ rad tol	MJ-80C52μExxx-30		J-LCC44
8Bit uC 8K Bytes ROM 20MHZ rad tol	MR-80C52μExxx-20		LCC44
8Bit uC 8K Bytes ROM 25MHZ rad tol	MR-80C52μExxx-25		LCC44
8Bit uC 8K Bytes ROM 30MHZ rad tol	MR-80C52μExxx-30		LCC44
8Bit uC 8K Bytes ROM 20MHZ rad tol	MC-80C52μExxx-20		SB 40 600 MILs
8Bit uC 8K Bytes ROM 25MHZ rad tol	MC-80C52μExxx-25		SB 40 600 MILs
8Bit uC 8K Bytes ROM 30MHZ rad tol	MC-80C52μExxx-30		SB 40 600 MILs
32 BIT MICROPROCESSORS : SPARC FAMILY			
Integer unit 25 MHz rad tol	MK-90C601E-25		MQFPF256
Integer unit 20 MHz rad tol	MK-90C601E-20		MQFPF256
Floating point unit 25 MHz rad tol	MF-90C602E-25		MQFPL160
Floating point unit 20 MHz rad tol	MF-90C602E-20		MQFPL160
Memory controller rad tol	MK-90C609E		MQFPF256

Radiation Tolerant ASICs and ASSPs

The TEMIC dual strategy pays off there, as it allows to have most of our ASIC available in Radiation tolerant version, with limited additional costs. They are all latch up immune (better than 140 MeV).

First, the MCRT, which has been assigned a specific subset library, the MCRT, with specific space design rules, which allows to simulate behavior of the design

under any level of total dose up to 100 Krads. On top of that, this ASIC family is the only one submicronic CMOS to be under ESA (European Space Agency) qualification.

Second is the MGRT, which is full library and mask compatible with the MG offering, and which will allow to offer also simulation up to 100 Krads for total dose.

ESA Capability approval domain of MC Gate Array

Product Range

Type	Total gates	Usable Gates	Maxi I/O	Total pads	Die Attach technique
MCT08KE	836	760	40	44	Eutectic
MCT2KE	2 040	1 800	64	68	Eutectic
MC5KE	5 040	4 500	86	90	Eutectic
MCT8KE	7 992	7 200	124	128	Silver Glass
MC10KE	10 000	9 000	122	126	Silver Glass
MCT12KE	11 780	10 500	156	160	Silver Glass
MCR22KE	21 952	15 200	144	148	Silver Glass
MCT29KE	29 000	20 000	196	200	Silver Glass
MCR35KE	35 040	24 000	182	186	Silver Glass
MCR50KE	50 512	35 000	216	220	Silver Glass

Packages

MIL STD 1835 Designation	MATRA MHS Type	PIN Count
Side-Brazed	Side-Brazed	24 to 64
Ceramic metal sealed Unformed lead Chip Carrier Style	MQFPF	68 to 196
Ceramic metal sealed Gullwing lead Chip Carrier Style	MQFPL	68 to 196
Ceramic metal sealed J lead Chip Carrier Style	MQFPJ	28 to 84

MGRT Sea of Gate Family

Part Number	Total Cells	Usable Cells	Maximum I/O	Total Pads	Availability
MGRT : CMOS Sea of Gates Family Matrix from MG 1000 to MG 1265	789 to 264 375	≈ 70 % of total cells	24 to 360	42 to 378	2 H 95

ASSPs

Part Number	Package	Function	Key Features
29C516E	100 pin MQFPL	EDAC 16 bits	Fast error detection : 30 ns max Fast error correction : 33 ns max Detects chip errors x1, x4 and x8 RAM format
29C80E	132 pin MQFPL	Discrete cosine transformer (DCT)	Compression/Decompression up to 10 MHz
29C80AE*	44 pin MQFPJ	Fast discrete cosine transformer (DCT)	Compression/Decompression up to 25 MHz
29C800E*	160 pin MQFPL	Multimedia DCT – codec JPEG/MPEG/H261	User configurable device ~ 20 K gates + 12 Kbits SRAM
29C810E*	160 pin MQFPL	Multimedia DCT – codec JPEG/MPEG/H261	User configurable device ~ 20 K gates

* Contact your sales office.