

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 |

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|---------------|---|
| 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 |

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|--------------|---|
| 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 |

* please contact your sales office

| 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 |
| 25ns 8Kx8 SRAM | | HM1 -65764H | 5962-3829415MZA |
| 35ns 8Kx8 SRAM | | HM1 -65764K | 5962-3829413MZA |
| 45ns 8Kx8 SRAM | | HM1 -65764M | 5962-3829411MZA |
| 55ns 8Kx8 SRAM | | HM1 -65764N | 5962-3829409MZA |
| 20ns 8Kx8 SRAM | | HM1E-65764F | 5962-3829417MXA |
| 25ns 8Kx8 SRAM | | HM1E-65764H | 5962-3829415MXA |
| 35ns 8Kx8 SRAM | | HM1E-65764K | 5962-3829413MXA |
| 45ns 8Kx8 SRAM | | HM1E-65764M | 5962-3829411MXA |
| 55ns 8Kx8 SRAM | | HM1E-65764N | 5962-3829409MXA |
| 20ns 8Kx8 SRAM | | HM4 -65764F | 5962-3829417MYC |
| 25ns 8Kx8 SRAM | | HM4 -65764H | 5962-3829415MYC |
| 35ns 8Kx8 SRAM | | HM4 -65764K | 5962-3829413MYC |
| 45ns 8Kx8 SRAM | | HM4 -65764M | 5962-3829411MYC |
| 55ns 8Kx8 SRAM | | HM4 -65764N | 5962-3829409MYC |
| 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 |

* please contact your sales office

| 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 |
| | | | |

* please contact your sales office

| 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 |

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| 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 |

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| 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 300μA 256Kx4 SRAM | * | MMD1-65604 V-35 | FP32 400 MILs |
| 45 ns 300μA 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 300μA 256Kx4 SRAM rad tol | * | MMD1-65604EV-35 | FP32 400 MILs |
| 45 ns 300μA 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 | | CQPI52 |
| 24 ns synchronous 16Kx16 SRAM | MQ-90C157-24 | | CQPI52 |
| 20 ns synchronous 16Kx16 SRAM | MQ-90C157-20 | | CQPI52 |
| 18 ns synchronous 16Kx16 SRAM | MQ-90C157-18 | | CQPI52 |

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-83C154μ-36 | | LCC44 |
| 8 Bit uC 16K Bytes RAM 30 MHZ + watch dog | MR-83C154μ-30 | | LCC44 |
| 8 Bit uC 16K Bytes RAM 25 MHZ + watch dog | MR-83C154μ-25 | | LCC44 |
| 8 Bit uC 16K Bytes RAM 20 MHZ +watch dog | MR-83C154μ-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 |

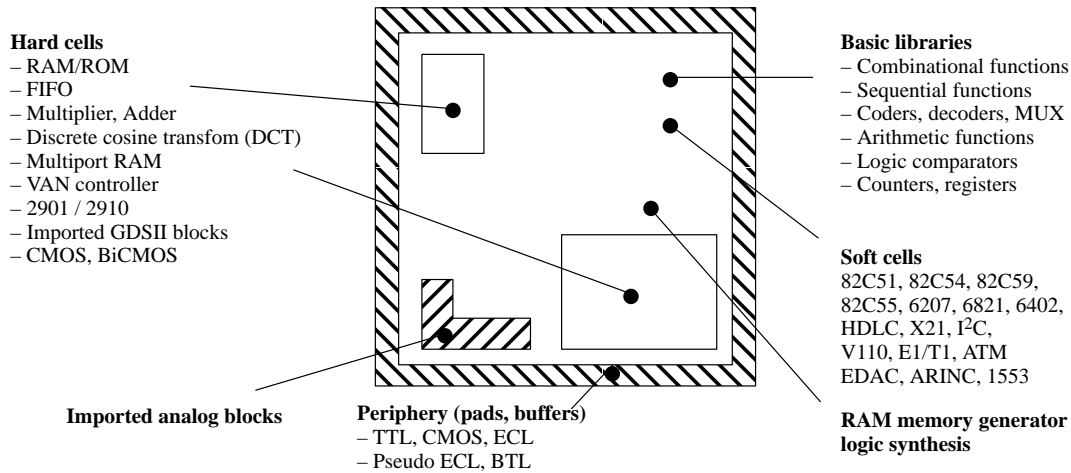
* Available in radiation tolerant versions (RT process). Please contact your sales office.

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.