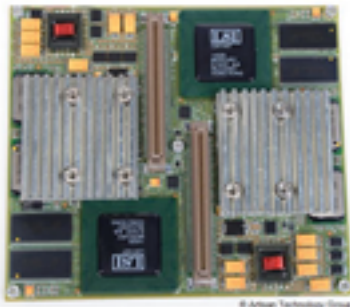


Mercury Computer Systems

RACE++ Series 400-MHz PowerPC 7410 Daughter Card



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Mercury Race Series MCJ6 Motherboard

Specifications

Electrical/Mechanical Specifications

Input voltage:

4.75 to 5.25 VDC

Power (exclusive of daughtercards):

MCJ6: 5W at 5 VDC

MCJ9: 15W* at 5 VDC

*Maximum configuration. Power consumption of MCJ9 varies with the number and type of daughtercards due to power conversion circuitry on the motherboard. Minimum efficiency in conversion from 5V to 3.3V used by some daughtercards is 85%.

Dimensions:

MCJ6: 6.30 x 9.19 in

MCJ9: 14.44 x 15.75 in

Slot-to-slot spacing:

0.8 in

Weight without daughtercards:

MCJ6: 0.8 lb

MCJ9: 3.0 lb

Environmental Specifications

Mercury offers multiple categories of environmental ruggedness for MCJ Series motherboards. The specifications detailed below are for the MCJ Series motherboards for standard commercial environments.

Recommended minimum airflow (per slot):

MCJ6: 10 CFM

MCJ9: 24 CFM

Operating temperature:

0°C to 40°C up to an altitude of 10,000 ft

(inlet air temperature at recommended minimum airflow)

Storage temperature:

-40°C to +85°C

Relative humidity:

10 to 90% (non-condensing)

Ordering Information

MCJ6:

Part number: 910-08000

Model number: MCJ6

Description: 6U VME RACE++ motherboards 160-pin (5-row) connectors

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