

Z80B 6MHz CPU CARD-6080

The Pulsar 6080 Z80B CPU card may be used as either a master or slave in the network environment as well as a stand-alone computer.

The 6080 uses the state of the art Mil Spec multi-wire technology to ensure very high standards of reliability.

The 6080 CPU card includes 128k of DRAM as a standard feature along with a maximum of 32 k of PROM. The 1.5Mb/sec external LAN enables a (remote) 6080 CPU card to be used in a network system.*

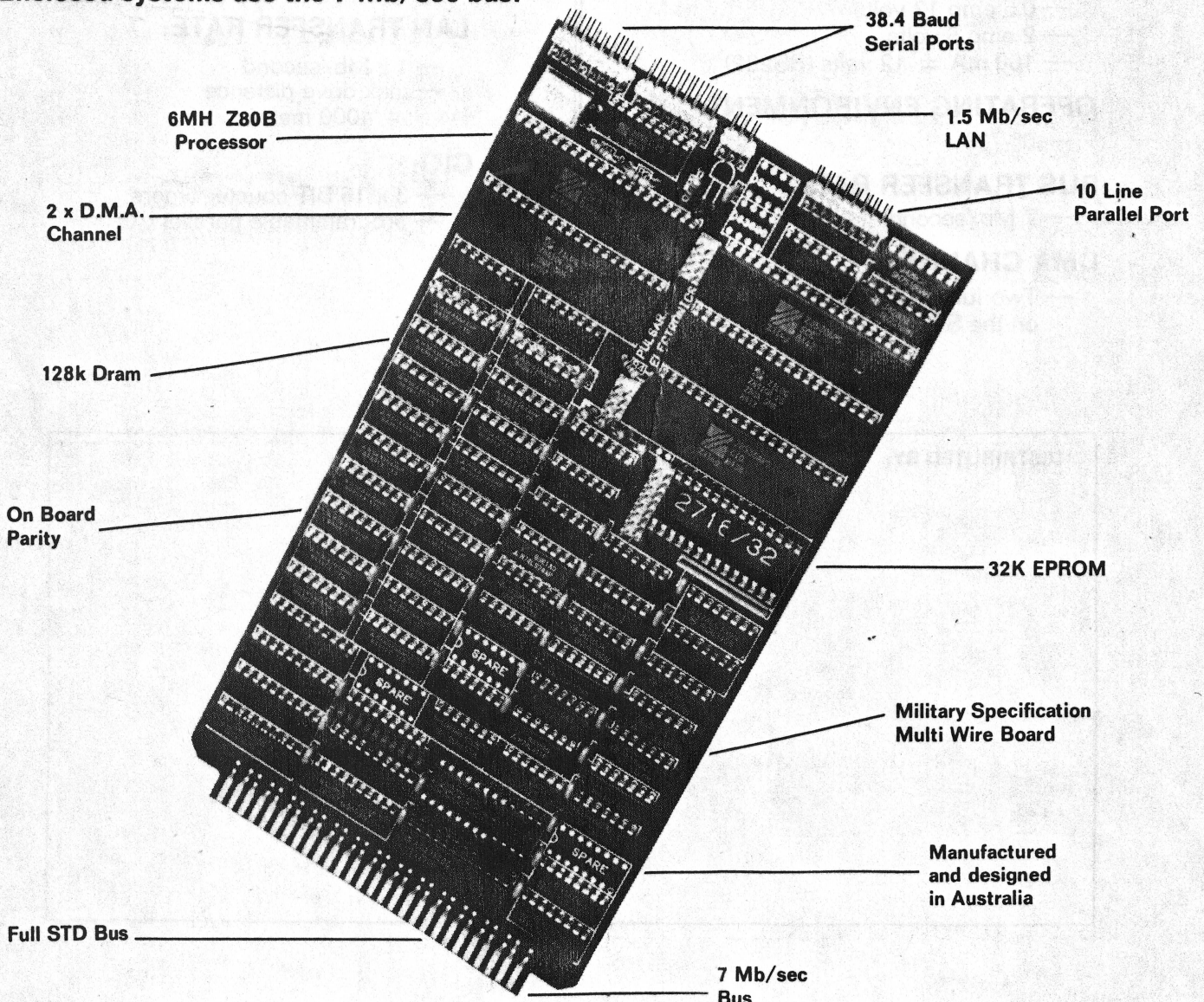
* Enclosed systems use the 7 Mb/sec bus.

The fully programmable 10 line parallel port allows easy connection to all centronics devices.

The 6080 CPU card running at 6MHz produces performance comparable with many 16 bit machines. The card may be ordered in OEM form or packaged as specified by the end user.

The 6080 card meets all STD bus electrical specifications.

The 6080 CPU card has been designed and built in Australia to exacting tolerances.



BUS INTERFACE:

- STD bus
- with vectored interrupts

EXTERNAL CONNECTIONS:

- 2 x serial ports RS232
- 1 x LAN RS485
- 1 x parallel port 10 line

DIMENSIONS:

- 114.3 mm (4.5in) width by
- 221 mm (8.75in) length

POWER REQUIREMENTS:

- 0.5 amp 12 volts
- 2 amp 5 volts
- 100 mA \pm 12 volts (RS232)

OPERATING ENVIRONMENT:

- 0°-70°

BUS TRANSFER RATE:

- 7 Mb/second

DMA CHANNEL:

- Two fully implemented on the STD Bus.

RAM AVAILABLE:

- 128 k standard
- on board error detection

CLOCK RATE:

- 8 mHz

SERIAL PORTS:

- 50 baud min
- 38.4 k baud max supporting A-sync
Bi-sync
SDLC
HDLC
and other bit protocols

LAN TRANSFER RATE:

- 1.5 Mb/second
- max drive distance = 4000 metres

CIO:

- 3 x 16 BIT counter timers
- programmable parallel I/O

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