



Assembled in Canada

# NewAE's LoonBoard

Advanced Video Development System

PS/2 Mouse/Keyboard

Extra reverse polarity protection against regulator failure

AVR Programming or DebugWIRE Connection

Input voltage protection

Ground or leave floating the mounting holes

JTAG Connection

Expansion Connector

4-pin socket for Oscillator

On-board RCA Jacks

Video encoder

Video decoder

Antialiasing Filter

Gold plated connectors

2 video inputs  
3 video outputs  
Equal NTSC/PAL Support

AtMega168

External oscillator input to AVR

Ground and power test probe connections

Silkscreen on top and bottom with reference information

4 MBit Configuration DataFLASH

4-layer immersion gold finish PCB

Configuration FLASH write protect

Additional video outputs

Battery Backup

8MBit of 15nS SRAM

Switching regulator for efficiency or linear regulator for low noise

Current Limited I/O

27 MHz Oscillator

4 MBit user DataFLASH

Reverse polarity protection for battery

Real Time Clock with Battery Backup



NewAE  
<http://www.newae.com>