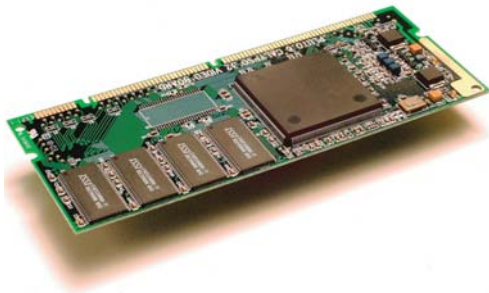




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Calypso 32

Bring your games to life.

Calypso 32

Calypso 32 is an add-on graphics display controller specifically designed for Pluto 6 to enable video capability. If you are developing a single or dual screen video game with Pluto 6 and need enhanced performance, extra processing power and exciting graphics - using Calypso 32 will bring your gaming application to life.

Stunning graphics effects

Calypso 32 utilises a powerful Fujitsu Cremson graphics processor with 32MB of video memory enabling CGA, VGA, and SVGA graphics to be produced. The layering feature enables up to six layers of solid, transparent or semi transparent images to be displayed. Background and foreground images can be used as they are loaded into the fast video memory. A scrolling function enables an image plane larger than the viewable area to be created, allowing specific areas to be revealed as the game progresses.

Powerful graphics processing

Calypso 32 utilises the powerful Fujitsu Cremson graphics processor to enable stunning graphics effects to be produced. 32 bit architecture enables high speed graphics data transfer.



Key features

- Fujitsu Cremson graphics controller
- Resolution up to 1024 x 768 x 16 bit
- High speed 32 bit interface
- 32MB beneficial graphics memory

Ideal for...

- Enabling single or dual video functionality with Pluto 6
- 2D Video graphics

The Heber advantage

When you buy Pluto 6 with Calypso 32 from Heber you benefit from:

- 25 years gaming industry experience
- 14 years Pluto design heritage
- Compliance with worldwide gaming standards
- Free customer support
- Our team of dedicated specialist engineers
- Total product dependability

Pluto 32 Technical specifications

Graphics Processor

Fujitsu Cremson

Resolutions up to 1024 x 768 @ 16 bits per pixel

2D video acceleration functions

Up to 6 layers of image overlay

Video Memory

32MB SDRAM

Host Interface

Pluto 6 expansion connectors with electrical connections to the VGA connector on Pluto 6

Enables direct connection to Freescale™ ColdFire® 5206E CPU on Pluto 6

Power Supply

Bus powered from Pluto 6 expansion connectors

Dimensions

133.4mm x 47.0mm (5.25" x 1.85")

Fujitsu Cremson Graphics Processor

Operating Frequency

100 MHz (External clock of 14.32 MHz)

Drawing Features

Drawing at a peak rate of 800Mpixels/sec. (at internal operating frequency of 100MHz)

2D drawing functions: point, line triangle, polygon, BLT, pattern drawing

3D drawing functions: point, line, triangle drawing, hidden surface removal by Z-buffering

Special effects: anti-aliasing, bold/dashed-line processing, alpha blending, Gouraud shading, texture mapping (bilinear filtering, perspective correct), and tiling.



Related datasheets

Pluto 6
Datasheet 80-20231

Pluto 6 Development Kit
Datasheet 80-20244

Datasheet 80-20242-1 07/08

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