BANSHEE BOX – GLV MODULE TEST TOOL

Model Number: T1088
Part Number: ASY-005023-01R

Features

Supports GLV module evaluation and testing

Configures GLV module parameters

Generates multiple test patterns to the module

Able to monitor GLV module status:
- Power voltages and currents
- Temperature

Description

Banshee Box contains AC/DC power supplies and custom designed single board computer utilizing Freescale ColdFire microprocessor MCF5307. The board features:
- High-speed LVDS and I2C interfaces to communicate with GLV module,
- RS-232 serial interface to communicate with a PC HyperTerminal using ASCII characters (115.2K baud rate, 8 bits, no parity, 1 stop, no flow control).

AC Power required: 90-264V AC, 47-63 Hz.

Banshee Box, High-Speed, RS-232 and power cables are integrated in SLM GLV Evaluation System (Kit) EVL-005256-01

Test Patterns

Test1 – Sets all pixels at one fixed amplitude level
Test2 – Single pixel 1024 level ramp (across columns) with fiducials and pixel IDs
Test4 – Toggles all pixels between 2 amplitude levels
Test5 – Toggles a block of pixels (from start-pixel to end-pixel)
Test9 – "Ramps" all pixels 1024 levels across columns on all pixels
Test10 – Triangle wave ramp between low-level and high-level (across columns) on all pixel
Test19 – Sets a block of pixels (from start-pixel to end-pixel) to the M-on/N-off replicated pattern
Test23 – Sets groups of 4 pixels to fixed levels, replicated across 1088 pixels
Test24 – "Walking one test": a single bit walking across the 20-bit data line to GLV drivers
Test30 – Full speed PWM test pattern (license required)