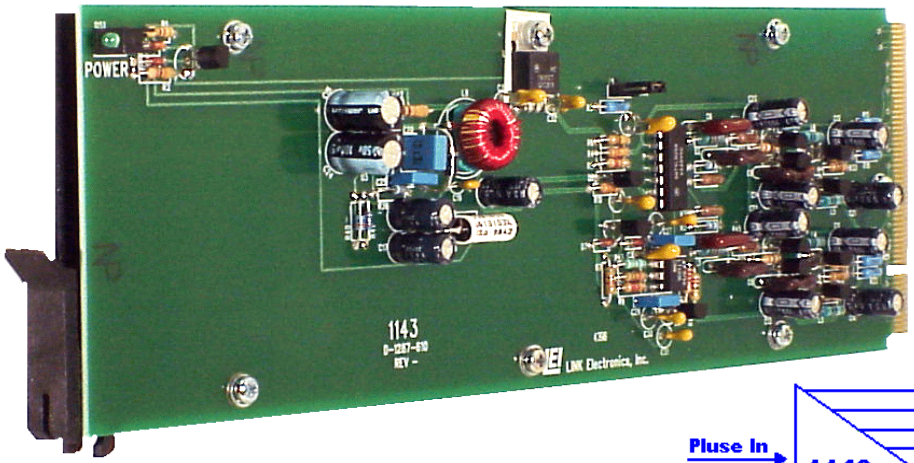
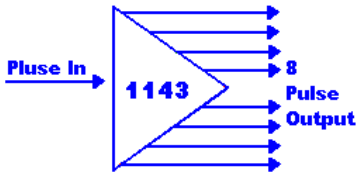
LINK ELECTRONICS, INC.

ANALOG PULSE DISTRIBUTION AMPLIFIER 1 X 8
DigiFlex 1143

MADE IN THE USA





FEATURES
- ◆ Pulse DA
- ◆ Regenerative
- ◆ Eight Outputs
- ◆ Fixed Level Output, 4Vp-p
- ◆ Two to Eight Vp-p Input
- ◆ Slice at 50% Point

Mounting Frame Options

1000 - Single Power Supply, Holds 11 Modules
1000/2 - Dual Power Supply, Holds 10 Modules
7200 - Mounting Frame, Holds 1 Module

The DigiFlex 1143 is a regenerative pulse distribution amplifier designed to operate in the DigiFlex 1000 or 7200 frame. Its input is connected through a companion rear cell, Model 1011. The input pulse is re-sliced at the 50% point by a level-tracking comparator circuit. Regardless of the input level, it always slices at the 50% point. The output width is constant, based on the input signal at the 50% point. Overshoot and ringing are eliminated due to this process.

Discrete linear amplifiers are used in the output drivers to insure that pulse shape and rise/fall times are accurately set by LC filter circuits. The outputs are therefore fixed at 4.0Vpp with 140ns rise/fall times and pulse width equal to the input width at the 50% point. No internal adjustment or calibration is required. A jumper is incorporated to select between high impedance or 75Ω termination of the input signal.

Backed by Link's 10-year warranty, the DigiFlex 1143 is ready to provide years of error-free operation.

LINK **ELECTRONICS, INC.** ◆ 2137 Rust Avenue ◆ Cape Girardeau, MO 63703-7668
Phone 573 334 4433 ◆ FAX 573 334 9255

DIGIFLEX 1143 ANALOG PULSE DA

INPUT:

Connector: . . . . . 75Ω BNC
Impedance: . . . . . 75Ω ±1%, terminating
. . . . . 50kΩ, bridging
Level: . . . . . 2.0Vpp to 8.0Vpp

OUTPUTS:

Number: . . . . . Eight (8)
Connector: . . . . . 75Ω BNC
Impedance: . . . . . 75Ω ±1%
Level: . . . . . 4.0Vpp ±10%
Rise & Fall Time: . . . . . 140ns ±20ns
Overshoot: . . . . . <10%

FRONT PANEL CONTROLS AND INDICATORS:

Power: . . . . . Green LED
Termination: . . . . . 2 Pos. Jumper

ENVIRONMENTAL:

Temperature: . . . . . 0° to 50°C Ambient
Humidity: . . . . . 10% to 90% non-condensing
Power: 320mW

MECHANICAL:

Height: . . . . . 3.2 Inch
Width: . . . . . 1.0 Inch
Length: . . . . . 10 Inch
Weight: . . . . . 7.25 Oz

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PROFESSIONAL SERIES--
modular system products--by *LINK*

Rear Cell I/O
0. Input
1. Out
2. Out
3. Out
4. Out
5. Out
6. Out
7. Out
8. Out

REARCELL 1011