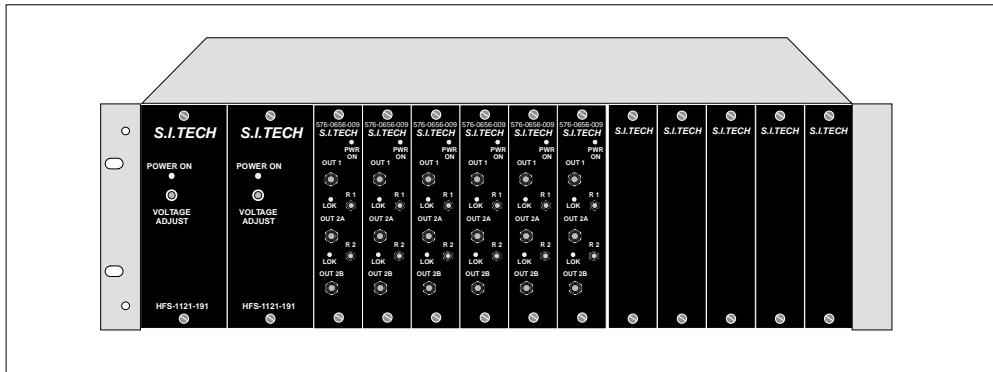


Digital MIL-188-114 Receiver Card Series 1000 Chassis, PC Board



Two MIL-188-114 Differential Drivers with 2 S.I.Tech tri-level transparent code low profile module fiber optic receivers on a standard sized plug-in card assembly (channel 2 has 2 electrical outputs)

Designed for use with Digital MIL-188-114 Transmitter Model#575-0656-010.

SMA Optical Connectors:
Twinax/Triax electrical connectors (Trompeter BJ77) for use with twinax cable (Trompeter PL-75-29 connector).

Power ON and 2 Carrier Detect (LinkOK) indicators:
LOK indicators illuminate when there is a valid optical signal of sufficient amplitude for the receiver to decode.

Tested at 26Mbps NRZ data rate.

Optical Link Budget with 575-0656-010 Transmitter is >9dB with 50/125 micron fiber, at better than 10⁻⁹ bit error rate.

*Meets FCC requirements of Class A, Part 15 Computing Devices Standard.
Specifications subject to change without notice.*

Absolute Maximum Ratings

Storage Temperature	-40° C to +85° C
Supply Voltage	+4.5 V to +5.5 V

Recommended Operating Conditions

Ambient Operating Temperature	0° C to +50° C
Supply Voltage	+4.9 V to +5.1 V
Fuse Rating (supplied on board)	3 A

Pinout Definitions

Bulkhead Connector Inner Conductor	Transmit Data A ¹
Bulkhead Connector Outer Conductor	Transmit Data B ¹
Bulkhead Connector Shield	Circuit Ground (isolated from front panel) ²

Note:

1. Outputs may be either Mark (A < B) or Space with no input, and will be Mark when input is from a transmitter with no input.
2. Cable shield is expected to be grounded at driver end only.
3. Works with Model # 575 - 0656 - 010 Transmitter.