Model 6765 Four Channel TTL Logic-to-ST Fiber Interface Converter, Board Unit

- Converts TTL Logic signals to ST Fiber Optic signals.
- Ideal for Commercial-Off-The-Shelf (COTS) purchase applications.

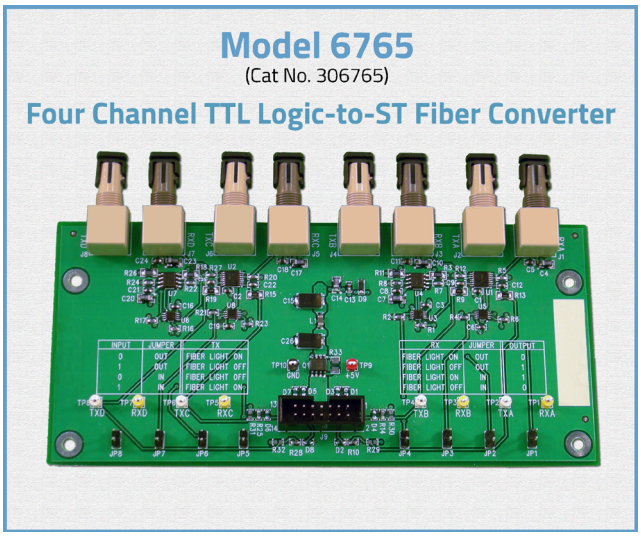
INTRODUCTION

The Model 6765 is a high speed digital logic level to fiber interface converter from Electro Standards Laboratories. It translates four input/output logic pairs into four fiber pairs, resulting in a total of eight fiber optic connections. Typical operating speeds are up to 5 Mbps.

Features include user selectable fiber light ON/OFF polarity, convenient ST fiber connectors, and logic test points available for signal monitoring.

The unit is powered from 5 VDC. The power supply input is protected from overvoltage, overcurrent. All TTL copper connections feature advanced ESD protection of ±8kV contact discharge, ±15kV air discharge, (IEC61000-4-2).

See Model 6766, Cat No 306766 for a desktop version of this board unit.



SPECIFICATIONS:

Optical Interface:
TX Power: -17dBm
RX Sensitivity: -27.5 dBm
Wavelength: 820 nm, multimode
Fiber Size: Accepts 50/125 µm, 62.5/125 µm, or 100/140 µm

Fiber Polarity:
Logical 0 = Light ON/OFF: User Selectable via Jumper
Logical 1 = Light ON/OFF: User Selectable via Jumper

Copper Interface:
Type: TTL Logic
Vih range: (3.3 - 5) Vdc Voh range: (3.8-50) Vdc
Vil range: (0-1.5) Vdc Vol range: (.1-.5) Vdc

Bit Rate (nom.):
0 to 5 Mbps, Nominal

Operating Environment:
0˚C to +70˚C

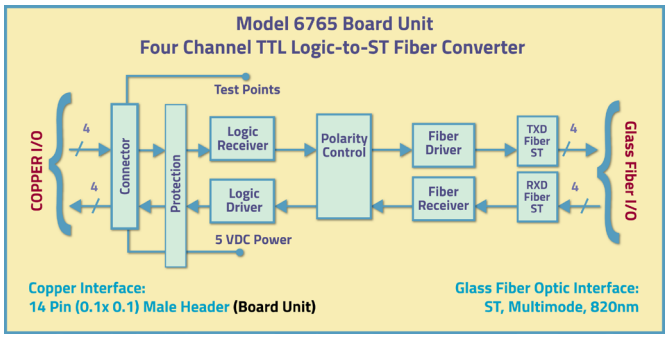
Model 6765 / Cat. No. 306765

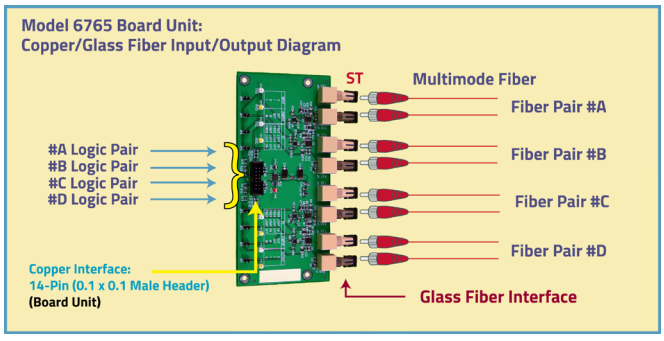
Copper Connectors:
Copper I/O: (1) 14-pin 0.1 x 0.1 Male Header
Test Points on Board: For monitoring purposes. (See Manual)

Glass Fiber Connectors:
(8) ST Connectors: (4) RX / (4) TX

Power:
Supply Voltage: (4.75 - 5.25) VDC

Mechanical:
Size: 6.45" x 3" x 0.55"
Weight: 2.6 oz (74g)
Mounting: 4 Mounting Holes





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