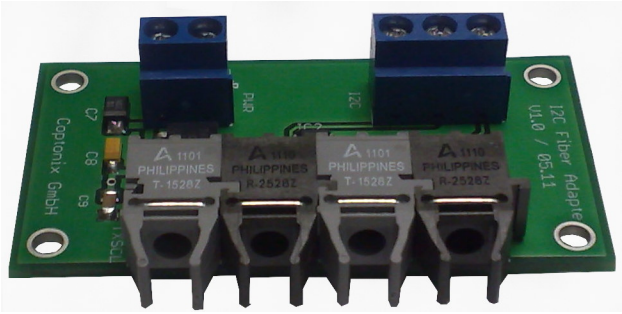

I2C Fiber Adapter

Manual

(Rev. 1.0)

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INTRODUCTION

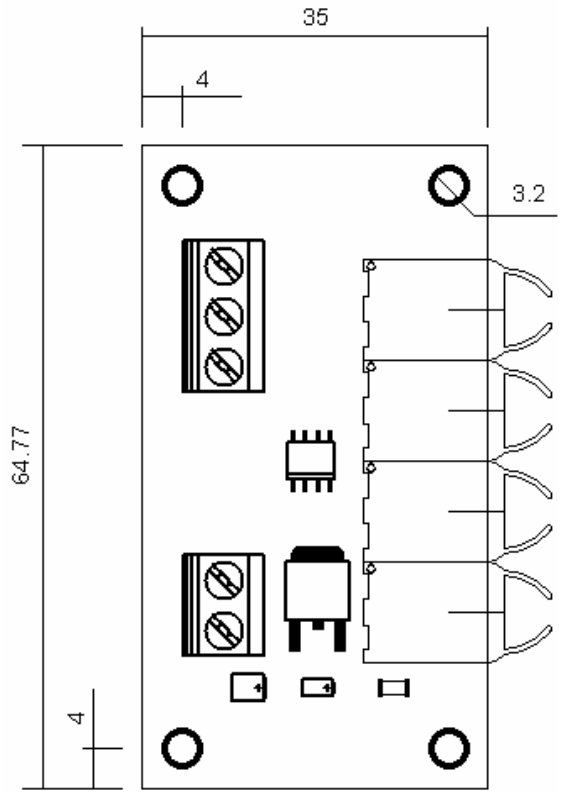
The *I2C Fiber Adapter* is bi-directional externally powered I2C to Single Mode Fiber Optic converter. It allows the communication between I2C devices using fiber cables over long distances. The adapter comes with 2-Way Terminal Block for power supply, 3-Way Terminal Block for I2C-Bus and 4 VLink type connectors for fiber optic links.

The adapter is hot-pluggable (plug-and-play) and requires no software or drivers.

SPECIFICATIONS:

Fibre optic	2x TXER VLINK 10MBD
	2x RCVR VLINK 10MBD
Wavelength	650 nm
I2C Clock	up to 400kHz
Distance (Fiber Optic)	50m @25°C @100kHz
Power Supply	8-34 VDC
Power Consumption	Typ. 60mA; max. 260mA
Fiber Optic Cables	Single Mode 1mm POF
Connector (Fiber Optic)	4x VLink
	2x DUPLEX CONNECTORS or 4x SIMPLEX CONNECTORS
Connector (I2C-Bus)	3-Way Terminal Block
Connector (Power)	2-Way Terminal Block
Dimension [mm]	65 x 35

DIMENSIONS



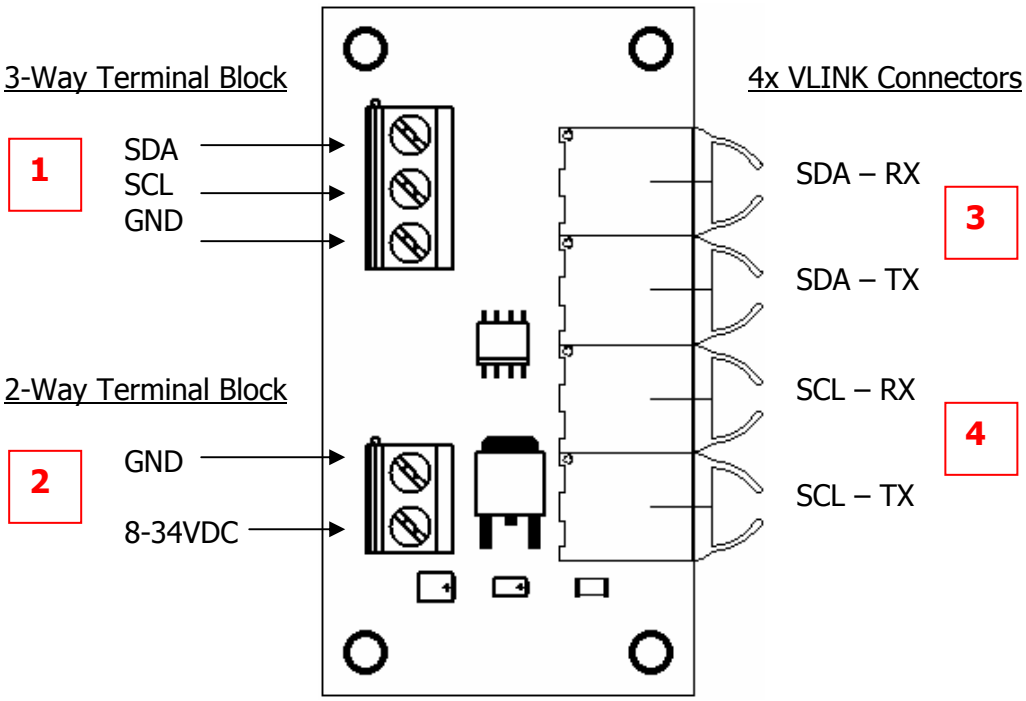
PINOUT CONFIGURATION:

1 I2C-Bus Connector:
3-Way Terminal Block
SDA: I2C Serial Data Line
SCL: I2C Serial Clock Line
GND: Ground

2 Power Supply Connector:
2-Way Terminal Block
GND: Ground
Power: 8 – 34 VDC

3 SDA VLink Connector:
2x Fiber VLink
SDA - RX: Fiber Optic - Serial Data Line Receiver
SDA - TX: Fiber Optic - Serial Data Line Transmitter

4 SCL VLink Connector:
2x Fiber VLink
SCL - RX: Fiber Optic - Serial Clock Line Receiver
SCL - TX: Fiber Optic - Serial Clock Line Transmitter



APPLICATIONS