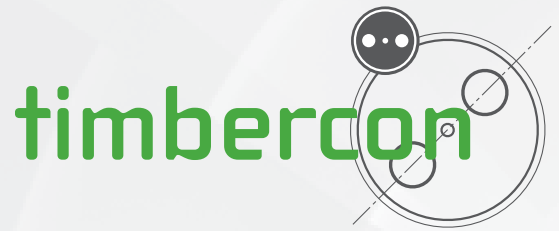# QSFP/QSFP+
Host Test Board

timbercon

Applications

– Test and Incoming Inspection for Transceivers, and Electrical Loopbacks
– Memory Map Programming for Transceivers and Electrical Loopbacks
– Transceiver Development and Analysis

Features

– QSFP/QSFP+ MSA Compliant
– Current/ Power Supply Monitoring
– High Performance PCB Traces Support up to 4 x 14Gb/s
– 16 SMA Connectors for Testing the TX and RX Channels
– USB Controlled
– User Friendly Graphic User Interface (GUI) Exceeds XLAUI Compliance Criteria

Benefits

– Economical QSFP/QSFP+ Port Testing
– Independent of Module Manufacturer
– Electrically Transparent
– Easy to Use / Easy to Set Up
– Board Level System Testing
– Superior Signal Integrity

Software Capabilities
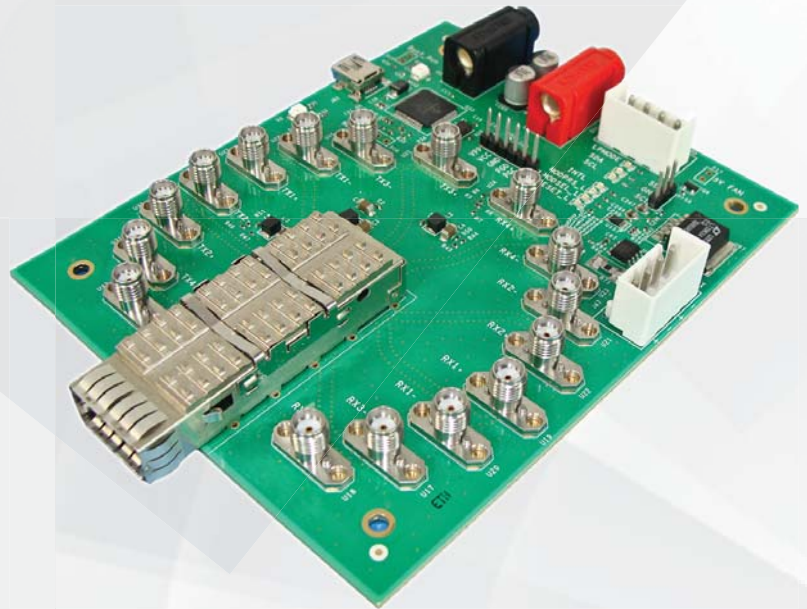
– QSFP+ Module Status/Control
– MSA Compliant

Power Requirements

Parameter	Conditions	Max	Units
External 3.3V supply	External	1	A
The QSFP+ Host Test Board is powered from an external source through the power jack.			

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Overview

The Timbercon QSFP/QSFP+ (Quad Small Form Factor Pluggable) MSA Compliant Host Test Board is designed to provide an efficient and easy method of programming and high speed AC testing of 40G QSFP/QSFP+ transceivers and customizing Timbercon's QSFP/QSFP+ electrical loopbacks.

The Timbercon QSFP/QSFP+ Host Test Board comes complete with Windows based software (Windows 98 & above) to enable intuitive memory map programming and testing, controlled via a mini B USB port. It is designed to simulate an ideal environment for QSFP/QSFP+ transceiver module testing, characterization and manufacturing test. Its high speed properties make the host board as electrically transparent as possible, allowing for a more accurate assessment of the module's performance.

About Timbercon

Timbercon, Inc., founded in 1997 is a fiber optic product and solution manufacturing company providing a variety of connectivity solutions to the defense, aerospace, medical, data storage, telecommunications and industrial industries. In addition to standard fiber optic assemblies and attenuated loopbacks, Timbercon has pioneered many proprietary products. Additional company information can be found at www.timbercon.com.