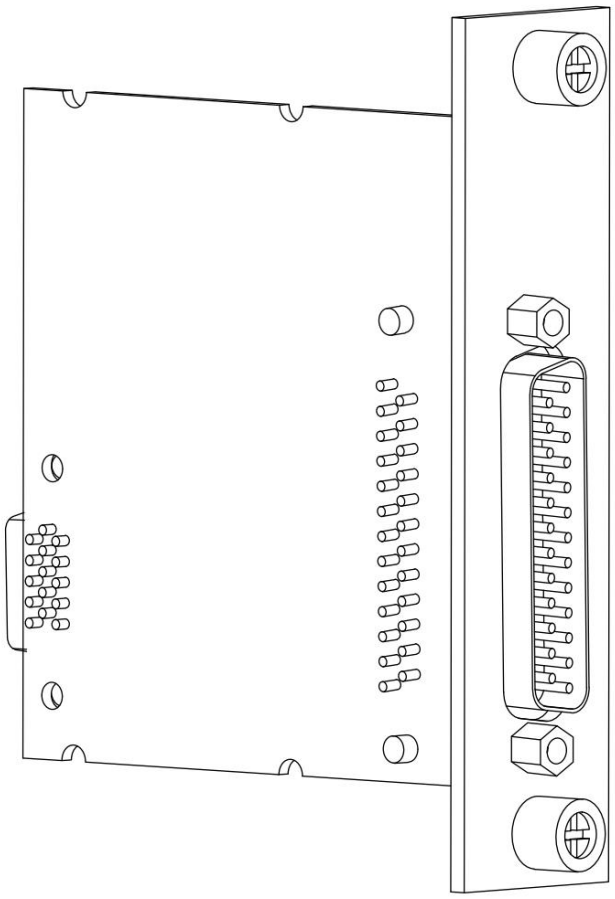
DATASHEET

MT E793

2-Port SPI Interface Module

This document contains the specifications for MT-E793.Specifications are typical at 25°C unless otherwise noted.

Caution Using the MT-E793 in a manner not described in this document may impair the protection the MT-E793 provides.



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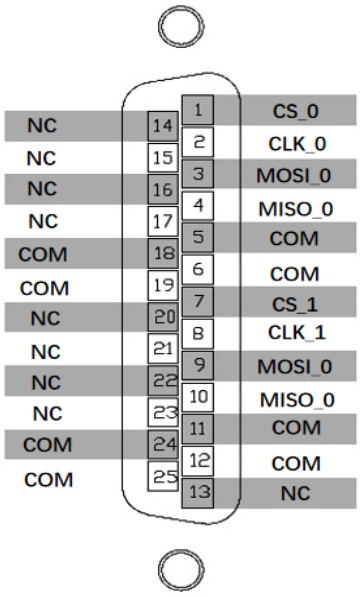
MT-E793 Connectivity

Pin definition of DSUB connector.

DSUB



MT-E793 Hardware Overview

The MT E793 has two independent SPI interface that are isolated from the other modules in the system.

MT-E793 Specifications

The following specifications are typical for the range -40 °C to 70 °C unless otherwise noted.

SPI CS <0,1>	Output
SPI CLK (SCLK)	Output (24MHz max)
SPI MOSI (SDO)	Output
SPI MISO (SDI)	Input
Supported clock rates	⩽ 24MHz
Absolute voltage range	-0.5V to +5.8V with respect to COM
Transfer size	8 bits

Power Requirements

Power consumption from chassis	500 mW max
Thermal dissipation (at 70 °C)	1500 mW max

Safety Voltages

Connect only voltages that are within the following limits:

Port-to-earth ground	
Continuous	60 VDC, Measurement Category I up to 5,000 m in altitude
Withstand up to 2,000 m	1,000 Vrms, verified by a 5 s dielectric withstand test
Withstand up to 5,000 m	500 Vrms, verified by a 5 s dielectric withstand test

Measurement Category I is for measurements performed on circuits not directly connected to the electrical distribution system referred to as MAINS voltage. MAINS is a hazardous live electrical supply system that powers equipment. This category is for measurements of voltages from specially protected secondary circuits. Such voltage measurements include signal levels, special equipment, limited-energy parts of equipment, circuits powered by regulated low- voltage sources, and electronics.

CE Compliance CE

This product meets the essential requirements of applicable European Directives, as follows:

- 2014/35/EU; Low-Voltage Directive (safety)
- 2014/30/EU; Electromagnetic Compatibility Directive (EMC)
- 2014/34/EU; Potentially Explosive Atmospheres (ATEX)

Shock and Vibration

To meet these specifications, you must panel mount the system.

Operating vibration	
Random (IEC 60068-2-64)	5 g_{rms}, 10 Hz to 500 Hz
Sinusoidal (IEC 60068-2-6)	5 g, 10 Hz to 500 Hz
Operating shock (IEC 60068-2-27)	30 g, 11 ms half sine; 50 g, 3 ms half sine; 18 shocks at 6 orientations

Environmental

Refer to the manual for the chassis you are using for more information about meeting these specifications.

Operating temperature	-40 °C to 70 °C (IEC 60068-2-1, IEC 60068-2-2)
Storage temperature	-40 °C to 85 °C (IEC 60068-2-1, IEC 60068-2-2)
Ingress protection	IP40
Operating humidity (IEC 60068-2-78)	10% RH to 90% RH, noncondensing Storage
humidity (IEC 60068-2-78)	5% RH to 95% RH, noncondensing Pollution
Degree	2
Maximum altitude	5000 m

Indoor use only.

Support

MT-RIO上手指南：

http://server.mangotree.cn:9000/WebFile/Downloads/上手指南/MT-RIO/

RIO上手指南

MT-RIO视频教程：

http://server.mangotree.cn:9000/WebFile/Downloads/视频教程/MT-RIO/

RIO视频教程

MT-Master上手指南：

http://server.mangotree.cn:9000/WebFile/Downloads/上手指南/MT-Master/

Master上手指南

MT-Master视频教程：

http://server.mangotree.cn:9000/WebFile/Downloads/视频教程/MT-Master/

Master视频教程

Dimensions:(mm)