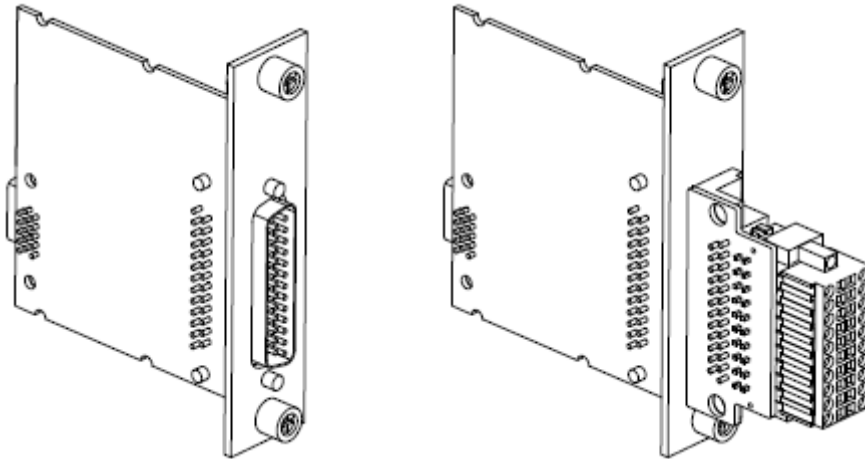


DATASHEET

MT E750

4 DI, 4 DO, 5V/TTL, 25 ns

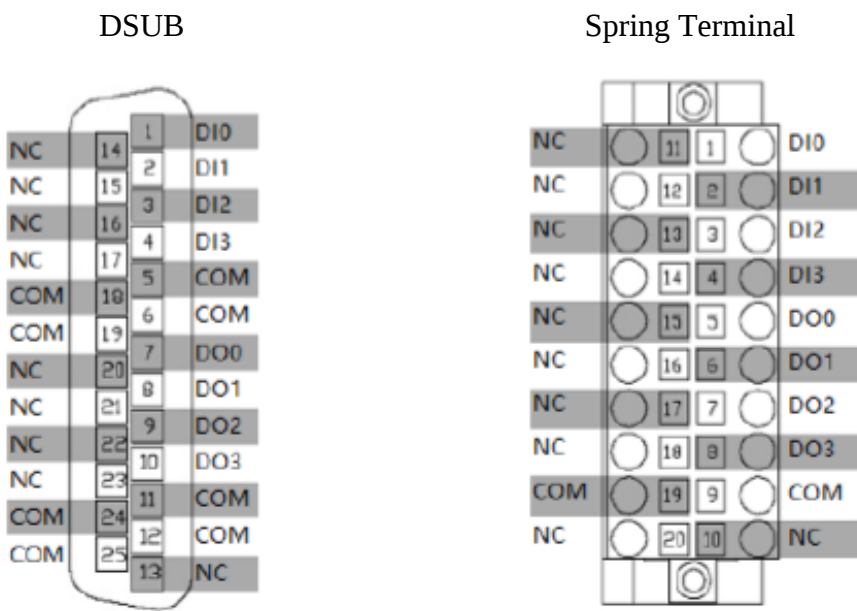


- DSUB or push-in Spring Terminal connectivity
- 60 VDC, CAT I, channel-to-earth isolation;
- -40 °C to 70 °C operating;

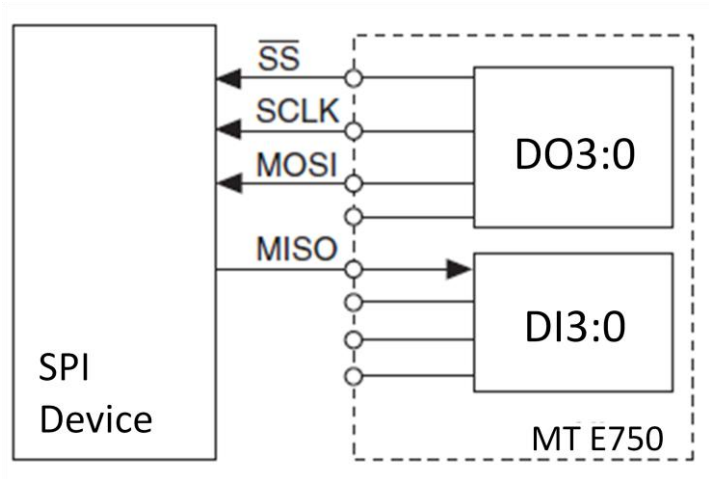
The MT E750 is a combination digital input,digital output module for RobustRIO and FlexDAQ systems.You can use the MT E750 to implement custom digital systems such as counters/timer digital communication protocols,pulse generation,and beyond.There are two connector options for the MT E750--a 20-position spring-terminal connector and a 25-position DSUB connector.

MT E750 Connectivity

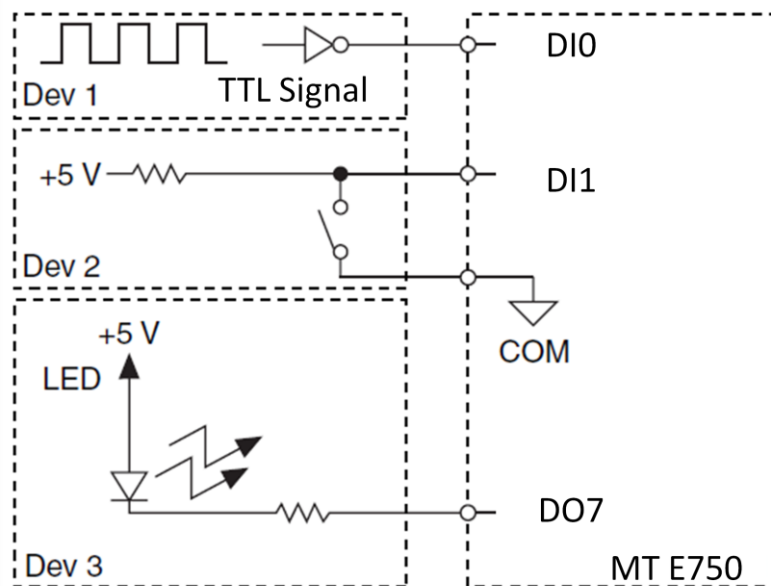
Pin definition of DSUB connector and Spring Terminal connector.



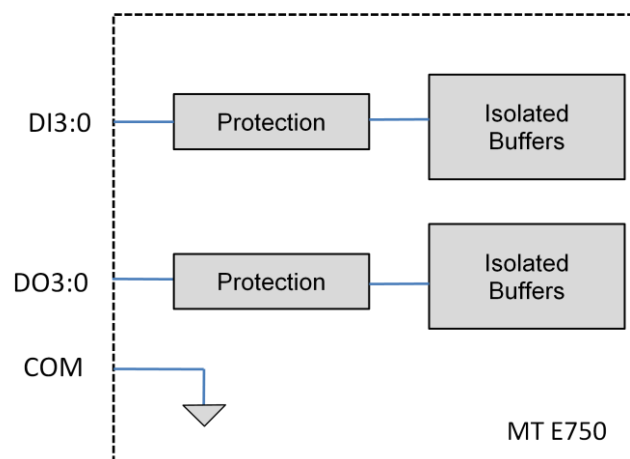
Connect SPI Device to MT E750.



Connect different digital devices to MT E750.



Input/Output Circuitry



There are four digital input channels and four digital output channels. All channels are internally referenced to COM.

MT E750 Specifications

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

Input/Output Characteristics

Number of channels	4 DI channels,4 DO channels
Input/output type	TTL,single-ended
Digital logic levels	
Input	
Voltage	5.23V maximum
High,VIH	3.5V minimum
LOW,VIL	1.5V maximum
Output	
Voltage	5.23V maximum
High,VOH	4.8V minimum
LOW,VOL	0.1V maximum
Maximum signal switching frequency,per channel	
Input	20MHz
Output	40MHz
I/O propagation delay	13 ns maximum
I/O pulse width distortion	3ns
Input current per channel	± 10uA
Input capacitance	4pF
Overvoltage protection	±30 V