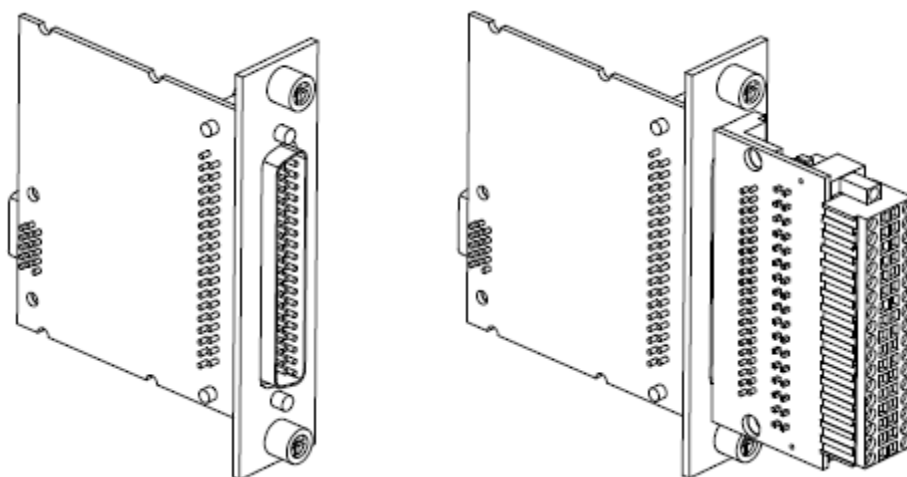


DATASHEET

MT E753

24V 16 DI/16 DO, 7us Sinking DI, 8us Sinking DO

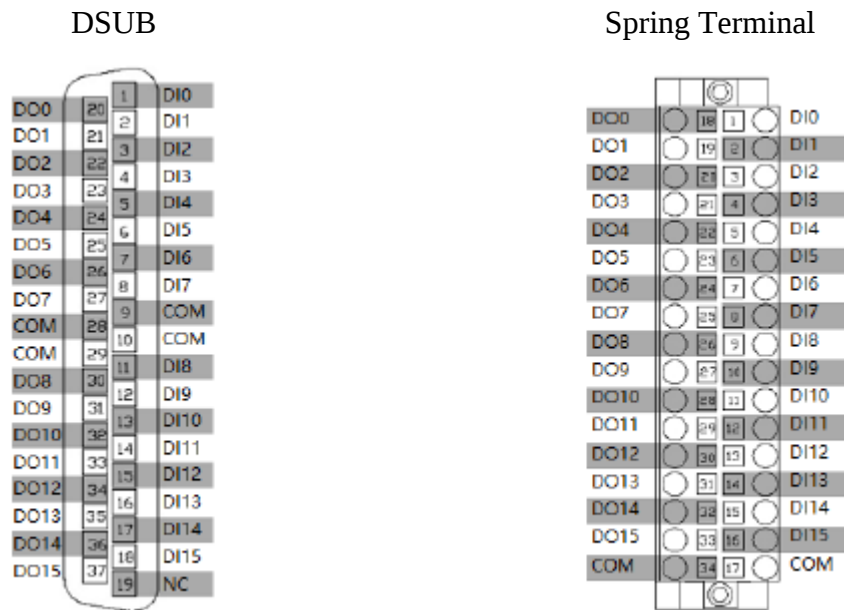


- DSUB or push-in Spring Terminal connectivity
- 60 VDC, CAT I, channel-to-earth isolation;
- -40 °C to 70 °C operating;

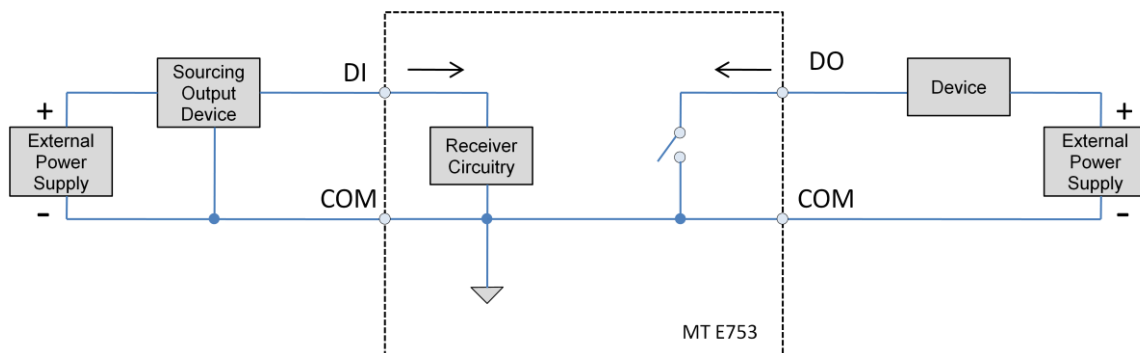
The MT E753 is a combination digital input,digital output module for RobustRIO and FlexDAQ systems. The MT E753 works with industrial logic levels and singals to connect directly to a wide array of industrial switches,transducers,devices and industrial relays,solenoids,motors.There are two connector options for the MT E753--a 34-position spring-terminal connector and a 37-position DSUB connector.

MT E753 Connectivity

Pin definition of DSUB connector and Spring Terminal connector.



Input/Output Circuitry



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

MT E753 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	32 channels: 16 digital input and 16 digital output
--------------------	---

Digital Input

Input type	Sinking
Digital logic levels	
OFF state	
Input voltage	$\leq 5V$
Input current	$\leq 150\mu A$
ON state	
Input voltage	$\geq 10V$
Input current	$\geq 330\mu A$
Hysteresis	
Input voltage	2V minimum
Input current	60 μA minimum
Input impedance	30 k Ω $\pm$ 5%
I/O protection	
Input voltage	
8 channels	60 V DC maximum
16 channels	30 V DC maximum
Reverse-biased voltage	
8 channels	-60 V DC maximum
16 channels	-30 V DC maximum
Update/transfer time	7 μs maximum

Digital Output

Output type	Sinking
Output voltage(V)	$I * R$
External power supply voltage range	0V DC to 30V DC
Continuous output current(I)	
Per channel	1 A maximum, on up to 16 channels
Module(sum of all channels)	16 A maximum
Output impedance(R)	0.065Ω maximum
Reversed-voltage protection	None
Short-circuit protection	None
Maximum update rate	8 us maximum
Propagation delay	1us maximum