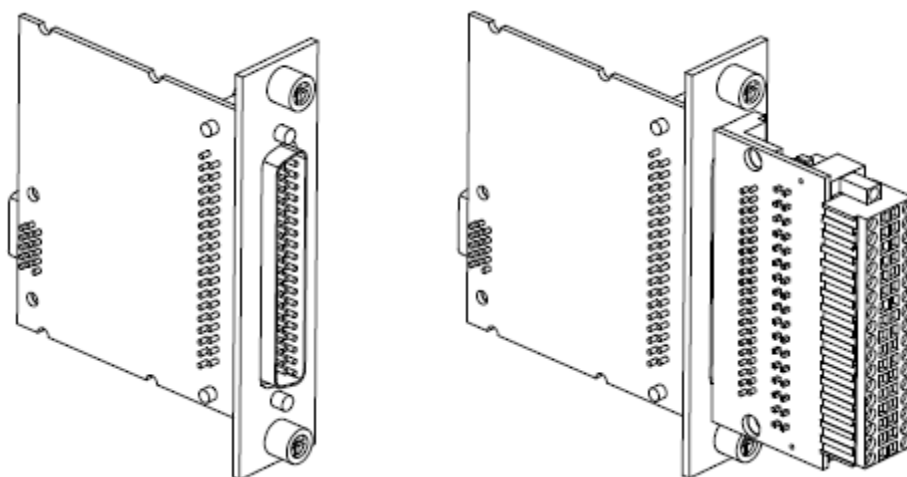


DATASHEET

MT E782

24 V, 32-Channels(Sourcing Output), 8us



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

The MT E782 is a digital output module for RobustRIO and FlexDAQ systems. The MT E782 works with industrial logic levels and signals to connect directly to a wide array of industrial relays, solenoids, motors. There are two connector options for the MT E782--a 34-position spring-terminal connector and a 37-position DSUB connector.

MT E782 Connectivity

Pin definition of DSUB and Spring Terminal connector.

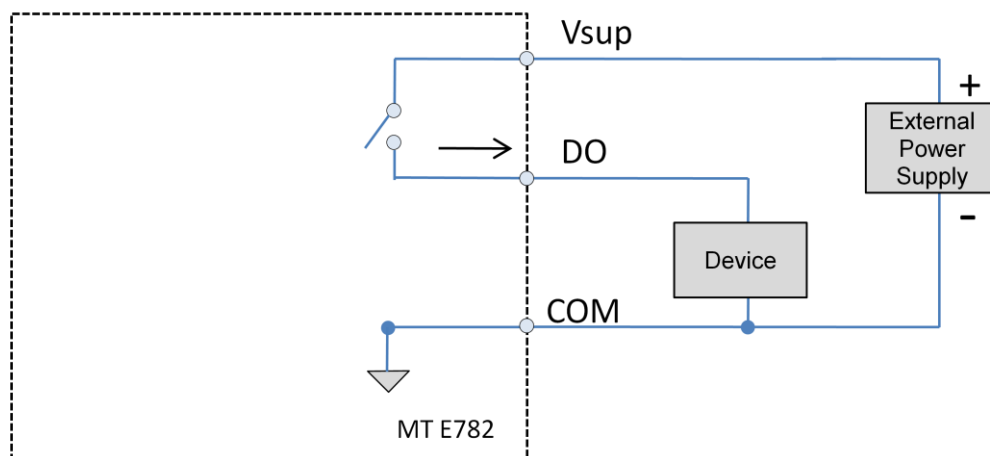
DSUB

DO16	20	1	DO00
DO17	21	2	DO01
DO18	22	3	DO02
DO19	23	4	DO03
DO20	24	5	DO04
DO21	25	6	DO05
DO22	26	7	DO06
DO23	27	8	DO07
COM	28	9	COM
COM	29	10	COM
DO24	30	11	DO08
DO25	31	12	DO09
DO26	32	13	DO10
DO27	33	14	DO11
DO28	34	15	DO12
DO29	35	16	DO13
DO30	36	17	DO14
DO31	37	18	DO15
		19	VSUP

Spring Terminal

DO16	18	1	DO00
DO17	19	2	DO01
DO18	20	3	DO02
DO19	21	4	DO03
DO20	22	5	DO04
DO21	23	6	DO05
DO22	24	7	DO06
DO23	25	8	DO07
DO24	26	9	DO08
DO25	27	10	DO09
DO26	28	11	DO10
DO27	29	12	DO11
DO28	30	13	DO12
DO29	31	14	DO13
DO30	32	15	DO14
DO31	33	16	DO15
COM	34	17	VSUP

Output Circuitry



There are 32 digital output channels. All channels are internally referenced to COM.

MT E782 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.

Output Characteristics

Output type	Sourcing
External power supply voltage range(V_{sup})	5V DC to 30V DC
Continuous output current(I), per channel	1 A maximum
Output impedance(R)	0.07 Ω maximum
Output voltage(V)	$V_{sup} - (I \cdot R)$
Reversed-voltage protection	None
I/O protection voltage	30 VDC maximum
Maximum update rate	7 μ s maximum
Propagation delay	1 μ s maximum