

# Trombetta J1939 I/O Expansion Module

- 4 digital inputs\*
- 2 Sourcing outputs (7A max)
- 1 Sinking output (2.5A max)
- 13A max total output current

\* Analog inputs (0-5V) available



## Features

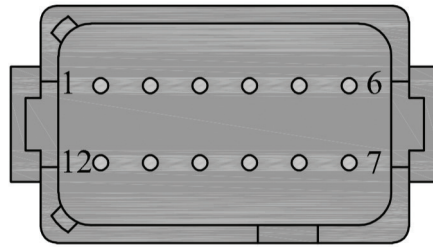
- Small footprint
- Output open load detection
- Over voltage protection
- IP67 rated
- Output short circuit / overload protection
- Reverse battery protection
- Nominal 12V/24V operation

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## DTF13-12PB

Top View

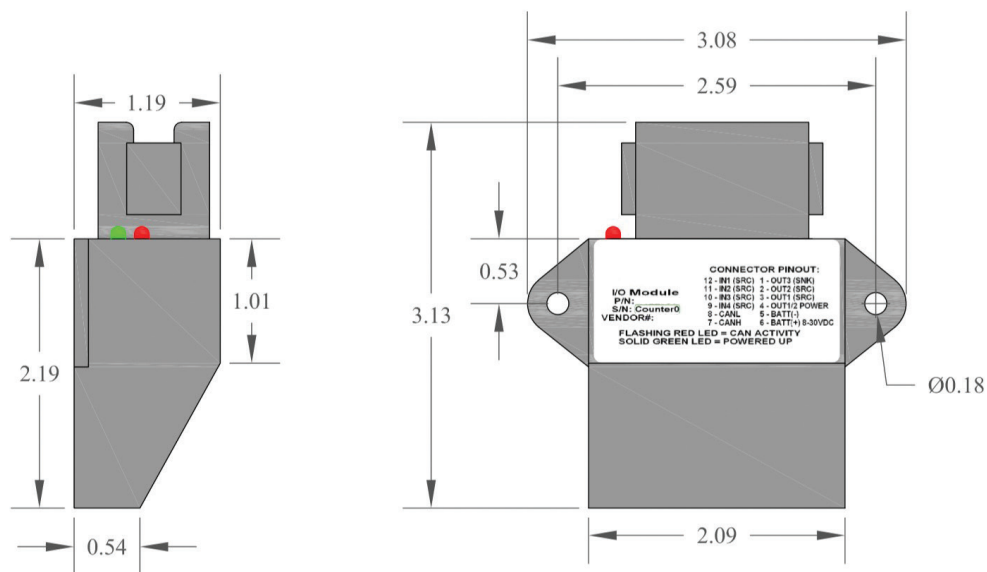


### LED Definition

Flashing Red	CAN activity
Solid Green	Power

### Pinout

- 1 - Output 3 (sinking – 2.5A max)
- 2 - Output 2 (sourcing – 7A max)
- 3 - Output 1 (sourcing – 7A max)
- 4 - Output power
- 5 - Battery (-)
- 6 - Battery (+) 8-30VDC
- 7 - CAN high
- 8 - CAN low
- 9 - Input 4
- 10 - Input 3
- 11 - Input 2
- 12 - Input 1



### Mechanical Parameters

Storage Temperature	-40°C to 70°
Operating Temperature	-40°C to 70°
Ingress Protection	IP67
Mating connector	DT06-12SB-P012, W12S wedgelock

Electrical Parameters	Min	Type	Max	Units
Supply Voltage	8	14	30	VDC
Reverse Battery Voltage	-	-	-30	VDC
System Standby Current	-	25	30	mA
Continuous Total Current	-	-	13	A
CAN Baud Rate	-	250	-	Kbps
CAN ID	-	0X9E	-	Default *

\* addressing input pins may be used to change ID from 0x9B – 0x9E

This product is RoHS 3, REACH and Conflict Free Compliant.

Revised 6/20