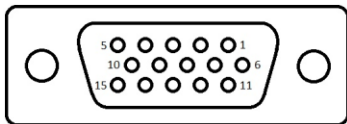


TSR PRO and TSR PRO-HB



DB15M(HD)

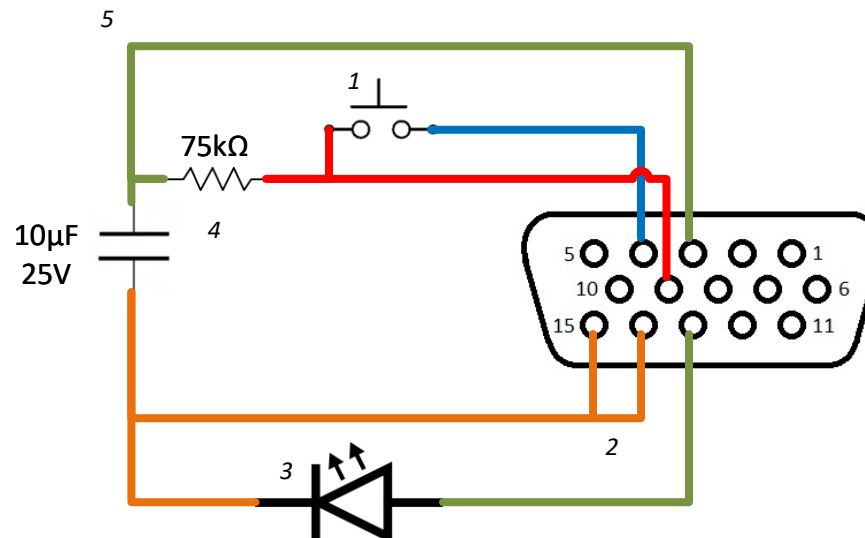


Pin	Function
1	USB Data Positive (to/from PC USB port)
2	+Status output. Opto-coupler switch closure with respect to pin 12, "-Status Output", (maximum 36 VDC and/or 30 mA)
3	+Event output. Opto-coupler switch closure with respect to pin 13, "-Event Output", normally open (maximum 36 VDC and/or 30 mA)
4	+Event input. Opto-coupler input with respect to pin 14, "-Event input". Apply 1.6 to 6.5 VDC to trigger data recording.
5	Ground
6	Ground
7	External power input (+6-36 VDC)
8	USB PWR (+5 V from PC USB port)
9	+2.7 V referenced to Ground. May be used as power for Event input, or other uses.
10	Do Not Connect. Factory use only.
11	USB Data Minus (to/from PC USB port)
12	-Status output
13	-Event output ²
14	-Event input
15	Ground

¹ Most configurations do not support external event power. For more information, please contact DTS Technical Support.
² Event output turns on when either the event input is active or the accelerometer signals are above the threshold.

Trigger Indication

1. Connect trigger switch between pin 9 (+2.7 VDC) and pin 4 (+Event input)
2. Short pin 14 (-Event input) to pin 15 (GND)
3. Connect low-current LED (10mA or less) between pin 13 (-Event output) and pin 15 (GND)
4. Connect 75kΩ resistor and 10μF, 25V capacitor in series between pin 9 (+2.7VDC) and pin 15 (GND) on first unit
5. Short pin 3 (+Event output) to junction between resistor and capacitor



NOTE: LED will be ACTIVE when manual trigger switch is closed.