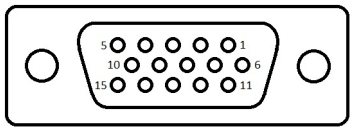
TSR PRO and TSR PRO-HB

DB15M(HD)

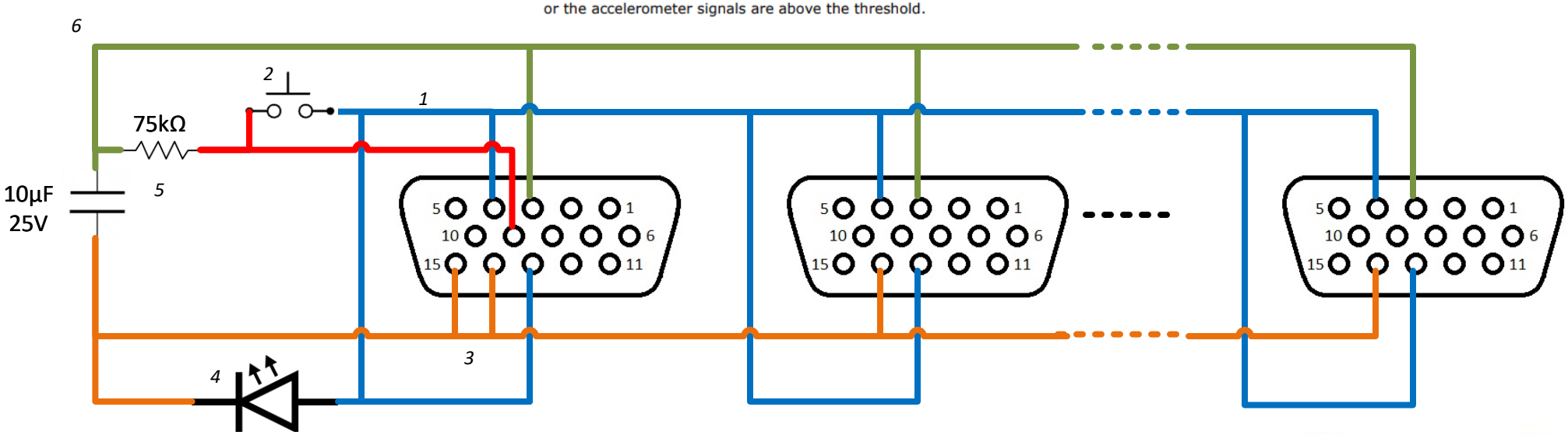


Pin	Function
1	USB Data Positive (to/from PC USB port)
2	+Status output. Opto-coupler switch closure with respect to pin 12, "-Status Output", (maximum 36 VDC and/or 30 mA)
3	+Event output. Opto-coupler switch closure with respect to pin 13, "-Event Output", normally open (maximum 36 VDC and/or 30 mA)
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.

Same Event Triggering of Multiple Units with Trigger Indication

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



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

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