

<b>Document Number</b>		RG_SPEC-0111	
<b>Title</b>		2 Channel Switch	
<b>Revision</b>	<b>Date</b>	<b>Prepared By</b>	<b>Change History</b>
1.0	06/1/2021	H. Westbrook	Initial Release
1.1	06/19/23	K. McClelland	Updated wiring diagram

The RaceGrade Two Channel switch is a multipurpose device that receives two high side inputs to control a single switched grounding output. The inputs are isolated from each other to prevent cross-feeding of the two independent activation circuits. The device works as an OR circuit so either high side input will trigger the switch output to ground. The current capacity of the output is suitable to drive a relay or digital input on an ECU. Do not connect this device directly to load requiring current more than 270mA.

## Part # RG.DV.0255.01

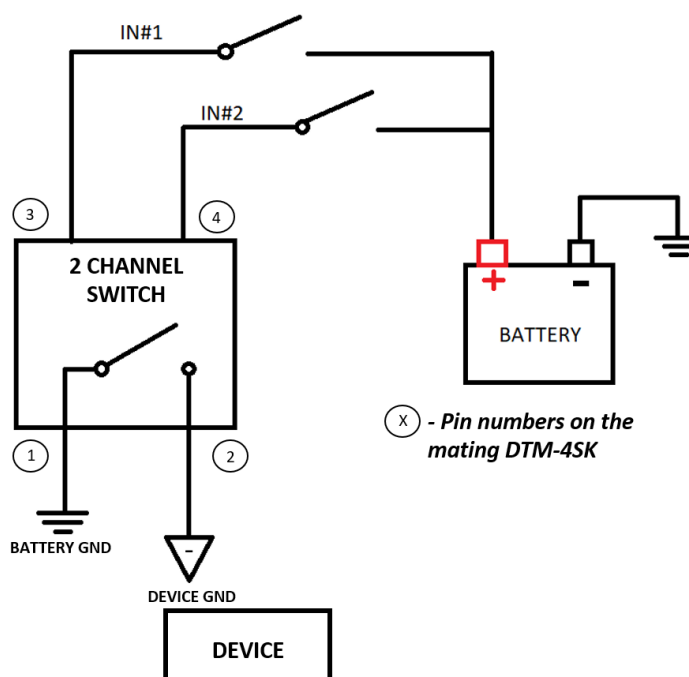
### Specifications:

Input Voltage Max:	20V
Current capacity:	270 mA
Temperature Range:	-20°C to +85°C
Dimensions:	43.9 x 18.6 x 18.7 mm
	1.72 x 0.73 x 0.73 in
Ingress Protection Rating:	IP 68 Potted



<b>Mating Connector</b>	DTM-4SK
<b>Pin Number</b>	<b>Function</b>
1	Ground
2	Switched Grounding Output
3	Input 1 (High = ON)
4	Input 2 (High = ON)

### Wiring example:



**Note:** The inputs each have a 1k pull down resistor to ground.