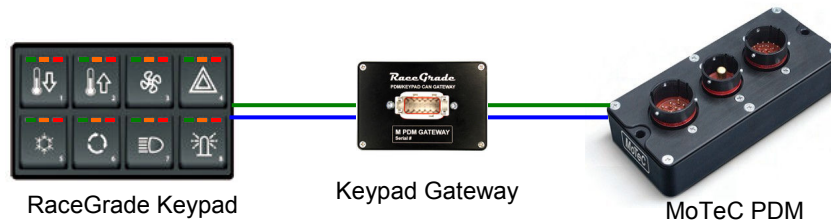


<b>Document Number</b>		RG_SPEC-00010	
<b>Title</b>		PDM / Keypad Gateway	
<b>Revision</b>	<b>Date</b>	<b>Prepared By</b>	<b>Change History</b>
1.0	12/07/11	Chris Brown	Initial release.

## Introduction

This box translates all the necessary CAN messages between the RaceGrade multi-button keypad and a MoTeC PDM (Power Distribution Module). It facilitates the button commands from the keypad to the PDM, and takes messages from the PDM to the keypad lights for each output status.



## Specifications

Part # M PDM GATEWAY  
 Voltage: 6v to 18v  
 Temperature: -10°C to 60°C  
 Weight: 141 grams

## Connection

Mating Connector: DTM-12S  
 Pin 1 - Ground in  
 Pin 2 - CAN LO 1, for MoTeC PDM side (1 Mbit/s)  
 Pin 3 - no connection. reserved for future use  
 Pin 4 - CAN LO 2, for RaceGrade Keypad side  
 Pin 5 - no connection. reserved for future use  
 Pin 6 - Ground out  
 Pin 7 - Power out, 12v  
 Pin 8 - no connection. reserved for future use  
 Pin 9 - CAN HI 2, for RaceGrade Keypad side  
 Pin 10 - no connection. reserved for future use  
 Pin 11 - CAN HI 1, for MoTeC PDM side (1 Mbit/s)  
 Pin 12 - Power in, 12v

