PDU Keypad

The **PDU Keypad** is an intelligent and slim membrane panel designed to replace traditional switch panels in a vehicle’s cockpit simplifying wiring and packaging. The PDU Keypad features **20** snap action trans-illuminated buttons in conjunction with **24** programmable LEDs with adjustable brightness control. The input and output states of the keypad are transmitted / received via CAN 2.0B allowing the system to full flexibility with many ECUs & controllers. Used in conjunction with a Life Racing PDU the keypad blends easily with ‘PDU Setup’ schematic software allowing for quick and easy system integration.

**General**
- Microprocessor controlled 24 x 20 switch and LED keypad

**Outputs**
- 20 user configurable general purpose switch outputs

**Inputs**
- 24 user configurable LED indicators with adjustable brightness

**Interfaces**
- 1 CAN 2.0B interface for communication with other controllers
- USB for firmware upgrades

**Power Supply**
- 6V to 32V input voltage range with reverse polarity protection

**Physical**
- 9Way D-type connector
- Ruggedised plastic moulded case sealed to IP65
- Splash resistant for motorsport fluids
- Maximum dimensions including the connectors are 170 x 105 x 35 mm
- Operating Temperature -25 to +85°C
- Total mass is ~210 grams
PDU Keypad Pinout

Mating Connector: Harting 09670094701
Connector Crimps: Harting 09670008277
Connector Hood: TE Connectivity 5745171-2

<table>
<thead>
<tr>
<th>PIN</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DO NOT CONNECT (1)</td>
</tr>
<tr>
<td>2</td>
<td>BATTERY SUPPLY</td>
</tr>
<tr>
<td>3</td>
<td>CAN LO</td>
</tr>
<tr>
<td>4</td>
<td>CAN HI</td>
</tr>
<tr>
<td>5</td>
<td>POWER GROUND</td>
</tr>
<tr>
<td>6</td>
<td>DO NOT CONNECT (1)</td>
</tr>
<tr>
<td>7</td>
<td>DO NOT CONNECT (1)</td>
</tr>
<tr>
<td>8</td>
<td>DO NOT CONNECT (1)</td>
</tr>
<tr>
<td>9</td>
<td>DO NOT CONNECT (1)</td>
</tr>
</tbody>
</table>

FOOTNOTES:
(1) LR internal use only or custom projects

PDU Keypad Sticker Kit

The image below shows the overlay sticker set supplied with each PDU keypad. Each sticker set consists of six colour pallets using high tactile adhesive.