HALO LED CONNECTORS
DISPLAY CONNECTION STATUS

The LEMO Halo LED connectors include a RGB LED lighted flange to display connection status. This product is compatible with existing 0B-0T, 1B-1T and 2B-2T series. The connectors are available with crimp or solder contacts.

Benefits:
- Displays connection status
- Push-Pull connector
- Innovative functionalities

Features:
- IP50 (IP68 for T series)
- Available in various colours: red, blue, white, green, yellow
- Robust construction
- PEEK insulator with high insulating properties
- Operating temp. range: -40°C to +100°C
- Power supply: 3.3V

* LEMO launches its first IAC – intelligent active connector line - embedded with a special chip to help maintain secure connections in medical, aerospace/military and other critical applications. LEMO’s new IAC connector uses Halo LED technology to indicate connection status.
**Part number system**

**Fixed socket**

**Model**

**Alignment key**

**Series:**
- 0B-0T, 1B-1T, 2B-2T

**Insert configuration**

**Contact:**
- L = solder, C = crimp

**Insulator:**
- L = solder, Y = crimp

**Housing**

LEG.1B.306.CLL = fixed socket with LED flange, nut fixing, with key (G), 1B series, multipole type with 6 contacts, outer shell in chrome-plated brass, PEEK extended insulator, female solder contacts, with red, green and blue (RGB) halo LED.

LNG.1B.306.CLL = fixed socket with narrow LED flange, nut fixing, with key (G), 1B series, multipole type with 6 contacts, outer shell in chrome-plated brass, PEEK extended insulator, female solder contacts, with red, green and blue (RGB) halo LED.

LMG.1B.306.CLL = fixed socket with single standby LED flange, nut fixing, with key (G), 1B series, multipole type with 6 contacts, outer shell in chrome-plated brass, PEEK extended insulator, female solder contacts, with red, green and blue (RGB) halo LED.

**LEG** Fixed socket, nut fixing, key (G) or keys (A…L)

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Model</th>
<th>Series</th>
<th>A</th>
<th>B</th>
<th>e</th>
<th>E</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>S1</th>
<th>S2</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEG</td>
<td>0B</td>
<td>19</td>
<td>18.0</td>
<td>0</td>
<td>19.0</td>
<td>0</td>
<td>18.0</td>
<td>0</td>
<td>19.0</td>
<td>0</td>
<td>18.0</td>
</tr>
<tr>
<td>LEG</td>
<td>1B</td>
<td>22</td>
<td>20.2</td>
<td>0</td>
<td>20.2</td>
<td>0</td>
<td>20.2</td>
<td>0</td>
<td>20.2</td>
<td>0</td>
<td>20.2</td>
</tr>
<tr>
<td>LEG</td>
<td>2B</td>
<td>25</td>
<td>27.0</td>
<td>0</td>
<td>27.0</td>
<td>0</td>
<td>27.0</td>
<td>0</td>
<td>27.0</td>
<td>0</td>
<td>27.0</td>
</tr>
<tr>
<td>LEG</td>
<td>0T</td>
<td>19</td>
<td>18.2</td>
<td>0</td>
<td>18.2</td>
<td>0</td>
<td>18.2</td>
<td>0</td>
<td>18.2</td>
<td>0</td>
<td>18.2</td>
</tr>
<tr>
<td>LEG</td>
<td>1T</td>
<td>21</td>
<td>19.2</td>
<td>0</td>
<td>19.2</td>
<td>0</td>
<td>19.2</td>
<td>0</td>
<td>19.2</td>
<td>0</td>
<td>19.2</td>
</tr>
<tr>
<td>LEG</td>
<td>2T</td>
<td>25</td>
<td>27.0</td>
<td>0</td>
<td>27.0</td>
<td>0</td>
<td>27.0</td>
<td>0</td>
<td>27.0</td>
<td>0</td>
<td>27.0</td>
</tr>
</tbody>
</table>

Pulse Width Modulation (or PWM) is a technique for power control. In this application it can be used to control the brightness of each LED, with a value ranging from 0 to 255, making it possible to use virtually any colour.

The Halo LED connectors use a tricolor chip-type LED with common anode. Power consumption per LED is 20 mA (15mA when driven individually).

**Note:** Recommended power supply for the LED control: 3.3 to 3.6V. A trimmer/ resistor or PWM can be used also to reduce the LED brightness to obtain the appropriate setting (indoor/ outdoor use).

To see full contact configuration choice, see Unipole / Multipole catalogue.

**www.lemo.com**