

Q14 series

Ø14 mm panel mount LED indicators



DISTINCTIVE FEATURES

10 mm colored diffused epoxy lens or 10 mm water clear super bright LEDs

Prominent and flush bezel styles

(2.8 x 0.8) solder lug/faston terminals, pins or (200 mm long) wire terminations

Custom engraving available

ENVIRONMENTAL SPECIFICATIONS

- IP67 sealing option (EN60529)
- Operating & Storage Temperature Range:
Rear plastic body: -30 °C to +65° C (-22 °F to +149 °F)
Rear epoxy body: -40 °C to +85° C (-40 °F to +185 °F)

GENERAL SPECIFICATIONS

- Max Reverse Voltage: 5 V
- Viewing Angle: 30–100° (dependant on model)
- Life Expectancy: 100,000 hours
- Torque: 4 cNm (dependent on option)
- Maximum panel thickness 11 mm

MATERIALS

- Plated brass bezel finished in bright chrome, black chrome or satin grey and moulded polycarbonate rear body

MOUNTING



The company reserves the right to change specifications without notice.

All LED characteristics are dependent upon environmental conditions. Therefore published data should be considered nominal and subject to variations.

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ELECTRICAL SPECIFICATIONS

STANDARD LED INTENSITY

| LED COMPONENT SPECIFICATIONS | | | |
|--|------------------------|--------------|-------------------|
| | Prominent and Recessed | Flush | Forward Voltage |
| HE Red | 80 mcd | 10 mcd | 2.0 V |
| Green | 60 mcd | 5 mcd | 2.2 V |
| Yellow | 50 mcd | 4 mcd | 2.1 V |
| Blue | 540 mcd | 100 mcd | 3.3 V |
| White | 1000 mcd | 150 mcd | 3.3 V |
| Orange | 80 mcd | 200 mcd | 2.2 V |
| Bi-color (Typical) (Red/Green) | 15/15 mcd | 14/10 mcd | 2.0V/2.2 V |
| Tri-color (Typical) (Red/Green/Yellow) | 60/50/50mcd | 15/10/30 mcd | 2.0 V/2.2 V/2.1 V |

Bi-color - The color is changed by reversing the polarity of the supply voltage.
Tri-color - The indicator has red and green LEDs, when both connected yellow is produced.

SUPER BRIGHT LED INTENSITY

| LED COMPONENT SPECIFICATIONS | | | |
|------------------------------|------------------------|-----------|-----------------|
| | Prominent and Recessed | Flush | Forward Voltage |
| HE Red | 17,000 mcd | 2,000 mcd | 2.2 V |
| Green | 11,000 mcd | 680 mcd | 3.3 V |
| Yellow | 4,000 mcd | 350 mcd | 2.0 V |
| Blue | 2,500mcd | 250 mcd | 3.3 V |
| White | 4,400 mcd | 250 mcd | 3.3 V |
| Orange | 2,800 mcd | 300 mcd | 2.2 V |

HYPER BRIGHT LED INTENSITY

| LED COMPONENT SPECIFICATIONS | | | |
|------------------------------|------------------------|---------|-----------------|
| | Prominent and Recessed | Flush | Forward Voltage |
| HE Red | 2,800 mcd | 800 mcd | 2.1 V |
| Green | 2,200 mcd | 250 mcd | 3.2 V |
| Yellow | 1,300 mcd | 250 mcd | 2.0 V |
| Orange | 850 mcd | 200 mcd | 2.1 V |

- The operating voltage must not be exceeded by more than 10% as this will result in reduced life expectancy
- Luminous intensity is measured at 20 mA on a discrete led unless otherwise stated.
- Luminous intensities and color shades of white LEDs may vary within a batch.
- Luminous intensity will be reduced with lower operating current.

| Voltage | Operating Voltage | Operating Current |
|------------------|-------------------|---------------------|
| | (Min to Max) | (Typical All Types) |
| 02 (No Resistor) | 1.8 to 3.3 VDC | 20 mA max |
| 6 VDC | 5.4 to 6.6 VDC | 20 mA |
| 12 VDC | 10.8 to 13.2 VDC | 20 mA |
| 24 VDC | 21.6 to 26.4 VDC | 20 mA |
| 28 VDC | 25.2 to 30.8 VDC | 20 mA |
| 110 VAC | 99 to 121 VAC | 6 mA |
| 220 VAC | 207 to 235 VAC | 3 mA |

* Customer to supply resistor for desired operating current.

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BUILD YOUR PART NUMBER

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Q | — | — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SERIES | MOUNTING HOLE | BEZEL STYLE | TERMINALS | ANODIZED FLUSH | BEZEL FINISH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 Ø14mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | <table border="0"> <tr><td>1</td><td>Solder Lug/ Fastons (2.8 x 0.8)</td></tr> <tr><td>2</td><td>Pins</td></tr> <tr><td>3</td><td>Wires</td></tr> <tr><td>4</td><td>Rear epoxy Pins</td></tr> </table> | 1 | Solder Lug/ Fastons (2.8 x 0.8) | 2 | Pins | 3 | Wires | 4 | Rear epoxy Pins | <table border="0"> <tr><td>5</td><td>Rear epoxy Wires</td></tr> <tr><td>6</td><td>Short body Pins</td></tr> <tr><td>7</td><td>Short body Wires</td></tr> </table> | 5 | Rear epoxy Wires | 6 | Short body Pins | 7 | Short body Wires | <table border="0"> <tr><td>AR</td><td>Red</td></tr> <tr><td>AG</td><td>Green</td></tr> <tr><td>AY</td><td>Yellow</td></tr> <tr><td>AB</td><td>Blue</td></tr> <tr><td>AN</td><td>Black</td></tr> </table> | AR | Red | AG | Green | AY | Yellow | AB | Blue | AN | Black | <table border="0"> <tr><td>C</td><td>Bright Chrome</td></tr> <tr><td>B</td><td>Black Chrome</td></tr> <tr><td>G</td><td>Satin Grey</td></tr> </table> | C | Bright Chrome | B | Black Chrome | G | Satin Grey | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Solder Lug/ Fastons (2.8 x 0.8) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Pins | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Wires | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Rear epoxy Pins | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Rear epoxy Wires | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Short body Pins | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Short body Wires | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AR | Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AG | Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AY | Yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AB | Blue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AN | Black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Bright Chrome | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Black Chrome | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | Satin Grey | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="0"> <tr><td>P</td><td>Prominent</td></tr> <tr><td>R</td><td>Recessed</td></tr> <tr><td>F</td><td>Flush</td></tr> </table> | P | Prominent | R | Recessed | F | Flush | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P | Prominent | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R | Recessed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | Flush | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| — | — | — | — | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TYPE OF ILLUMINATION | LED COLOR | LED COLOR | LED COLOR | VOLTAGE | SEALING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr><td>XX</td><td>Fixed Light</td></tr> <tr><td>KK</td><td>Flashing Light (12V – 28VDC)</td></tr> <tr><td>YY</td><td>Bi-color</td></tr> <tr><td>ZZ</td><td>Tri-color</td></tr> </table> | XX | Fixed Light | KK | Flashing Light (12V – 28VDC) | YY | Bi-color | ZZ | Tri-color | <table border="0"> <tr><td>R</td><td>Red</td></tr> <tr><td>G</td><td>Green</td></tr> <tr><td>Y</td><td>Yellow</td></tr> <tr><td>B</td><td>Blue</td></tr> <tr><td>W</td><td>White</td></tr> <tr><td>O</td><td>Orange</td></tr> <tr><td>HR</td><td>Hyper Bright Red</td></tr> </table> | R | Red | G | Green | Y | Yellow | B | Blue | W | White | O | Orange | HR | Hyper Bright Red | <table border="0"> <tr><td>HG</td><td>Hyper Bright Green</td></tr> <tr><td>HY</td><td>Hyper Bright Yellow</td></tr> <tr><td>HO</td><td>Hyper Bright Orange</td></tr> <tr><td>SR</td><td>Super Bright Red</td></tr> <tr><td>SG</td><td>Super Bright Green</td></tr> <tr><td>SY</td><td>Super Bright Yellow</td></tr> </table> | HG | Hyper Bright Green | HY | Hyper Bright Yellow | HO | Hyper Bright Orange | SR | Super Bright Red | SG | Super Bright Green | SY | Super Bright Yellow | <table border="0"> <tr><td>SB</td><td>Super Bright Blue</td></tr> <tr><td>SW</td><td>Super Bright White</td></tr> <tr><td>RG</td><td>Red/Green</td></tr> <tr><td>RY</td><td>Red/Yellow</td></tr> <tr><td>GY</td><td>Green/Yellow</td></tr> <tr><td>RYG</td><td>Red/Yellow/Green</td></tr> </table> | SB | Super Bright Blue | SW | Super Bright White | RG | Red/Green | RY | Red/Yellow | GY | Green/Yellow | RYG | Red/Yellow/Green | <table border="0"> <tr><td>02</td><td>no resistor</td></tr> <tr><td>06</td><td>6VDC</td></tr> <tr><td>12</td><td>12VDC</td></tr> <tr><td>12A</td><td>12VAC/DC</td></tr> <tr><td>24</td><td>24VDC</td></tr> <tr><td>24A</td><td>24VAC/DC</td></tr> <tr><td>28</td><td>28VDC</td></tr> <tr><td>28A</td><td>28VAC/DC</td></tr> <tr><td>110</td><td>110VAC</td></tr> <tr><td>220</td><td>220VAC</td></tr> </table> | 02 | no resistor | 06 | 6VDC | 12 | 12VDC | 12A | 12VAC/DC | 24 | 24VDC | 24A | 24VAC/DC | 28 | 28VDC | 28A | 28VAC/DC | 110 | 110VAC | 220 | 220VAC | <table border="0"> <tr><td>(Blank)</td><td>Unsealed</td></tr> <tr><td>E</td><td>IP67</td></tr> </table> | (Blank) | Unsealed | E | IP67 |
| XX | Fixed Light | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KK | Flashing Light (12V – 28VDC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| YY | Bi-color | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZ | Tri-color | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R | Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y | Yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Blue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W | White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O | Orange | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HR | Hyper Bright Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HG | Hyper Bright Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HY | Hyper Bright Yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HO | Hyper Bright Orange | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SR | Super Bright Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SG | Super Bright Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SY | Super Bright Yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB | Super Bright Blue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SW | Super Bright White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RG | Red/Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RY | Red/Yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GY | Green/Yellow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RYG | Red/Yellow/Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02 | no resistor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 6VDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 12VDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12A | 12VAC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 24VDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24A | 24VAC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 28VDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28A | 28VAC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | 110VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 220VAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (Blank) | Unsealed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | IP67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



ABOUT THIS SERIES



Notice: please note that not all combinations of above numbers are available.

- Gold faston terminal denotes anode (+), silver terminal denotes cathode (-)
- Standard wire length is 200 mm, 22 AWG UL1061, red wire denotes anode (+), black wire denotes cathode (-) for other wire lengths consult APEM
- For LEDs with alternative voltages and multi-voltage options consult APEM
- 110 VAC and 220 VAC, short body terminal options, 5, 6 and 7 please consult the factory
- Bi-color leds, by connecting the gold faston (+) one color is produced, by reversing the supply voltage another color is produced – bi-colors are available up to 28 VDC

- Take care when soldering to the faston terminals (recommended solder temperature 300 °C - 3 sec)
- Short body pins and wires are only available up to 28 VDC
- The Tri-color LED has red and green LEDs when both are connected yellow is produced
- Standard tri-color faston terminals are two anodes (+) and one cathode (-)
- Tri-color wires are one red (+) and one green (+) anode and one black (-) cathode
- Tri-color pins are center (-) cathode, shortest (+) anode pin green, longest (+) anode pin red
- We recommend using Hyperbright or Superbright LEDs for use at 110 VAC and 220 VAC

Q14 series

Ø14 mm panel mount LED indicators

PROMINENT BEZEL



WIRES



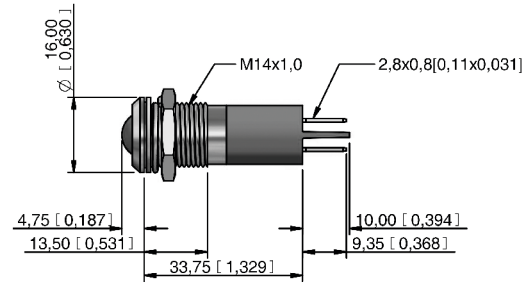
REAR EPOXY WIRES



SHORT BODY WIRES



SOLDER LUG/FASTON



PINS



REAR EPOXY PINS



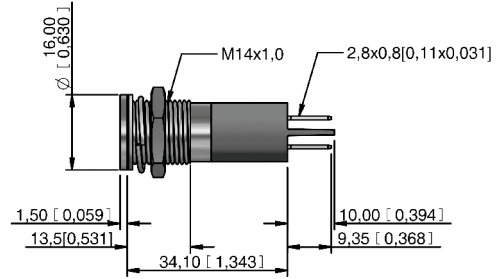
SHORT BODY PINS



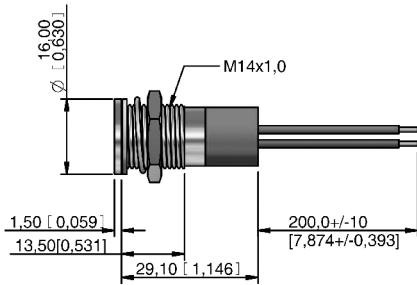
FLUSH BEZEL



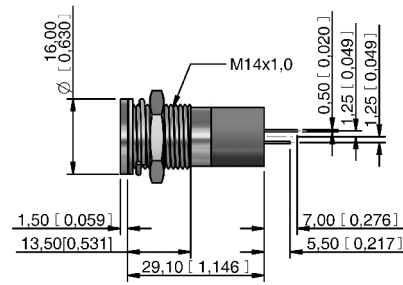
SOLDER LUG/FASTON



WIRES



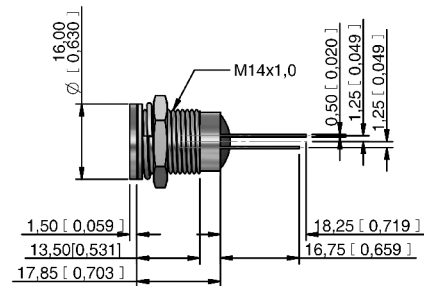
PINS



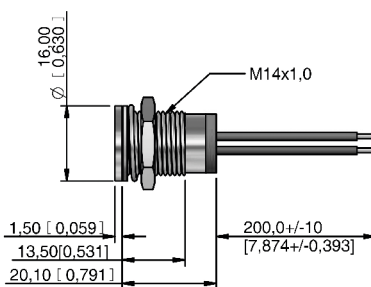
REAR EPOXY WIRES



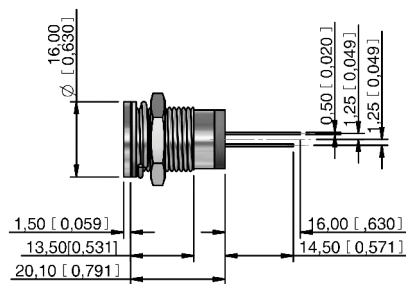
REAR EPOXY PINS



SHORT BODY WIRES



SHORT BODY PINS



Q14 series

Ø14 mm panel mount LED indicators

RECESSED BEZEL



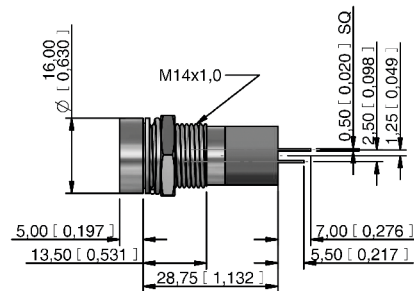
SOLDER LUG/FASTON



WIRES



PINS



REAR EPOXY WIRES



REAR EPOXY PINS



SHORT BODY WIRES



SHORT BODY PINS



Q14 series

Ø14 mm panel mount LED indicators

CUSTOM ENGRAVING

Some common codes are listed above, for your custom requirements please contact APEM.
Unless specified standard engraving with white infill will be supplied.
Suffix the part number with legend code :

| | | | | | | |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| High beam -0AJ | Low beam -097 | Rear fog -027 | Front fog -026 | Windscreen wiper -021 | Windscreen washer -022 | Ventilator fan -023 |
|  |  |  |  |  |  |  |
| Turn Signal -0AH | Side lights -098 | Horn -041 | Hazard warning -013 | Heating -018 | Brake test -0BU | Arrow -0K6 |
|  |  |  |  |  |  |  |
| Battery -0AG | Oil can -0GP | Windscreen heating -020 | ABS -086 | Engine coil -0EL | Seat belt -0SB | USB connection -0UB |
|  |  |  |  |  |  | |
| Steam -0ST | ECU -0EU | Side step -0AD | Air con -012 | Engine -040 | Boot/Trunk Release -0BR | |



CABLE LENGTH AND CONNECTOR



For custom cable length and connectors contact APEM.

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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