



AN-06 CONNECTOR FOR THE HHL PACKAGE

Soldering directly to the HHL package pins is inconvenient and somewhat permanent. In most cases, a connector mating with the pins would be preferred.

The connector sockets must be compatible with the large (1mm/0.040") round pins of the HHL package, with a 0.100" pin spacing. The current rating of the sockets should be at least 4 A (to handle the TEC current) or higher, as required by the laser diode. Gold-plated contacts are strongly recommended to ensure stable, long-term, low-resistance connections. It is essential that there be a solid, stable connection between the laser diode and the current driver to prevent damage to the laser.

A suitable connector is manufactured by Mill-Max www.mill-max.com, part number 801-43-010-10-004000 (or 801-93-010-004000). This connector is rated for 8 amps and features gold-plated contacts compatible with 1mm round pins.

Note: Mill-Max 801-43-050-10-004000 (or 801-93-050-10-004000) may also be used. This version, with 50 pins per strip, can be cut down as needed and is more widely available in stock.