



AN-11 CONNECTORS FOR BFC & FCP FIBER PACKAGES

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

Laser pins (HHL, 8-pin BFC, 2-pin FCP fiber packages):

The connector sockets for the laser pins must be compatible with the large (1mm/0.040") round pins of the package, with a 2.54mm/0.100" pin spacing. High-quality 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 801-43-050-10-004000 (or 801-93-050-10-004000). These connector sockets are rated for 8 amps and feature gold-plated multi-finger contacts designed for 1mm round pins.

PD, thermistor, and TEC pins (8-pin BFC package):

The 6 pins in the sidewalls of the 8-pin BFC fiber package are small (0.5mm/0.020") round pins, with a 2.0mm pin spacing..

A suitable connector is manufactured by Mill-Max (www.mill-max.com), part number 831-43-050-10-001000 (or 831-93-050-10-001000).