

ONU TRANSCEIVER DESIGN

ABSTRACT OF THE DISCLOSURE

In one example embodiment, a pluggable ONU transceiver module comprises a top shell, a bottom shell configured to mate with the top shell to form a cavity, and a PCB disposed within the cavity. A plurality of pins are coupled to the PCB and are configured to be inserted into a protruding socket of a host device through the bottom shell. The protruding socket is mounted on a PCB of the host device. The pluggable ONU transceiver module further comprises one or more guiding features integrated with the bottom shell and configured to ensure that the pins are inserted correctly into the protruding socket, and means for positioning the top shell at a predetermined height above the PCB of the host device to allow coupling of the top shell to a heatsink of the host device.

[Fig. 3A]