

REMOVABLE TRANSCEIVER MODULE AND RECEPTACLE

ABSTRACT OF THE DISCLOSURE

A robust optoelectronic transceiver module which is quick, easy, and inexpensive to manufacture. The transceiver module has a main housing which consists of a potting box with potting material inserted therein. In addition, a circuit board is encased by the potting material. The circuit board has an optical subassembly mounted thereon. The optical subassembly extends outside of the potting box through a recess. Correspondingly, a recess cover is provided for forming a liquid tight seal between the recess cover, the potting box, and the optical subassembly. The module housing may be pluggable via release levers having detentes received in apertures of a receptacle and a pluggable connector of the module mated within the receptacle. The receptacle may include grounding means such as a ground clip mounted within the receptacle and a protective door to limit electromagnetic emissions.

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