

PLUGGABLE CONNECTOR CONFIGURED TO TRANSFER THERMAL ENERGY AWAY FROM INTERNAL ELECTRONICS OF THE PLUGGABLE CONNECTOR

ABSTRACT

A pluggable connector (108) comprises a connector housing (130) having an interior cavity (132). A communication assembly (162) held by the connector housing includes internal electronics (128) located within the interior cavity (132). A thermal-transfer assembly (160) is disposed within the interior cavity (132). The thermal-transfer assembly includes first and second thermal-transfer modules (204, 206) that each include a plurality of spaced-apart projections (214, 224). The projections (214, 224) of the first and second thermal-transfer modules (204, 206) are interleaved with one another. The first thermal-transfer module is coupled to the internal electronics (128) and the second thermal-transfer module is coupled to the connector housing (130) such that the first and second thermal-transfer modules form a thermal-transfer path (210) between the internal electronics and the connector housing.

Fig. 2