

ABSTRACT

An optical module (100), comprising: a circuit board (110), the circuit board (110) comprising a base material layer (111), a copper layer (112), and a solder mask layer (113), which are stacked, wherein a clearance area (114) is provided on the solder mask layer (113), and the clearance area (114) exposes the copper layer (112); a lens assembly (120) located on the side of the solder mask layer (113) facing away from the copper layer (112); and a connector (130) protruding from the surface of the lens assembly (120) facing the solder mask layer (113), the connector (130) being embedded in the clearance area (114) and being in contact with the copper layer (112). By means of providing the clearance area (114) on the solder mask layer (113), the connector (130) on the lens assembly (120) is embedded in the clearance area (114) so as to be in contact connection with the copper layer (112), thereby ensuring the coupling flatness of the lens assembly (120), and thus the manufacturing yield of optical module (100) products is improved.

Fig. 4