

ABSTRACT

This application discloses a stretchable rigid-flex interconnector and a manufacturing method therefor. The method includes: separately printing silver paste and
5 a liquid metal polymer composite on a first side of a stretchable substrate to form a non-stretchable circuit layer and a stretchable circuit layer, so as to obtain a first rigid-flex composite structure, where the non-stretchable circuit layer and the stretchable circuit layer have an overlapping region at an interface; encapsulating the first rigid-flex composite structure using a sealant to form a sealing layer, so that the stretchable circuit
10 layer is covered by the sealing layer, to obtain a second rigid-flex composite structure; and attaching a support layer to a second side of the second rigid-flex composite structure, to obtain a target rigid-flex interconnector. According to this application, a rigid-flex interconnector for an electronic interconnection between a rigid circuit system and a flexible circuit system can be truly formed. The entire rigid-flex interconnector has
15 excellent stretchability.

FIG. 1