

AN ELECTRICAL CONNECTOR

ABSTRACT

An electrical connector comprising a housing having a plurality of conductive element receiving regions within which a plurality of conductive elements are provided. The conductive elements are of a kind formed from an elongate sheet material which has been bent out of plane to define at least a first contact region a second contact region and a beam region intermediate of the first and second regions, the first and second contact regions being in a resiliently movable disposition relative to each other. Each conductive element is captured with the receiving region yet allowing movement of the contact regions relative to the housing. The capture includes the inter-engagement a locking section of conductive element and of the housing as a result of a cantilevered fixing of the conductive element to the housing in the in plane direction and the biasing of the locking section of the conductive element towards inter engagement as a result of the in plane rigidity of the conductive elements. The movement of the beam region, in the direction parallel to the direction of resilient movement of the first and second contact regions towards each other the, is unrestricted by the interlocking relationship of the locking sections.

Figure 4.



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