RJ45 DROP JAW DESIGN

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**RJ45 drop jaw design**

Ethernet connector with two springs to help retain the Ethernet jack. One spring helps to hold the jack in the Z direction while the other spring helps to hold the jack in the X direction.

- **Concept:**
  - (A) Support rib. → Support RJ45 plug in Z direction.
  - (B) Drop jaw body.
  - (C) Hook.
  - (D) Spring-1. → Co-work with Hook (C) to fix RJ45 plug in X direction.
  - (E) Spring-2. → Co-work with Support rib (A) to fix RJ45 plug in Z direction.
  - (F) RJ45 connector.

- **Operating principles:**
  1) RJ45 plug with lower limit dimension:
     Spring-1 (D) will push RJ45 plug forward to Hook (C) when end-user’s hand leave. The plug will be fixed.
2) RJ45 plug with upper limit dimension:
Spring-1 (D) will be pushed backward by RJ45 plug when end-user insert RJ45 plug. The plug will be fixed.

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