CLAIMS

1. An electrical connector assembly (10) for an electrical device (1), comprising:
   a) an electrical connector connected to said electrical device (1) extending between a first fluid chamber (3) and a second fluid chamber (4) through a junction between said chambers (3, 4), wherein each of said fluid chambers (3, 4) contain fluid; and
   b) a housing (12) positioned at said junction and at least partially enclosing said electrical connector,
   characterized in that said housing (12) includes:
      i. an inner layer (13) formed by low pressure molding and encapsulating at least a portion of said electrical connector; and
      ii. an outer layer (14) formed by high pressure molding and encapsulating said inner layer (13), wherein said outer layer (14) is configured to form an air-tight seal between said fluid chambers (2, 3), when the electrical connector assembly (10) is positioned at said junction.
2. The electrical connector assembly (10) of claim 1, wherein said outer layer (14) includes at least one gasket (15) coming in contact with said junction when the electrical connector assembly (10) is positioned at said junction.
3. The electrical connector assembly (10) of claim 1, wherein said outer layer (14) is snap-fitted to at least one of said fluid chambers (3, 4).

4. The electrical connector assembly (10) of claim 1, wherein said electrical device (1) is a sensor for detecting a parameter of a gearbox.

5. The electrical connector assembly (10) of claim 1, wherein at least one of said inner layer (13) and said outer layer (14) is formed of plastic material.

6. The electrical connector assembly (10) of claim 5, wherein said plastic material is at least one of polyamide and glass fiber-reinforced polymer.

7. The electrical connector assembly (10) of claim 1, wherein said electrical connector is at least one of a flexible printed circuit (11), rigid printed circuit and flat electric cable.