

ELECTRICAL CONNECTOR ASSEMBLY FOR PRINTED CIRCUIT BOARDS

ABSTRACT

An electrical connector assembly comprises first and second circuit boards positioned proximate to each other. Each of the first and second circuit boards has a first side and a second side. A first flex circuit is electrically connected to said first sides of said first and second circuit boards and carries electrical signals therebetween. A pair of first load cells each have a spring, a base plate, and a cover plate. The spring has a peak portion and end portions that are compressed between said base plate and said cover plate. The peak portion engages one of said base plate and said cover plate, and the end portions engage the other of said base plate and said cover plate to exert a load force on said base plate and said cover plate, wherein said pair of first load cells compress said first flex circuit against said first sides of said first and second circuit boards.

Figure 1



162162



G00002