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between adjacent spring biased pin assemblies of the plurality of spring-biased pin assemblies.

6. The electronic device as recited in claim 1, further comprising a spring coupling device coupled to the spring and positioned adjacent the magnet.

7. The electronic device as recited in claim 1, wherein the contact structure comprises three or more spring-biased pin assemblies.

8. The electronic device as recited in claim 1, wherein the contact structure comprises a retractable mating component.

9. The electronic device as recited in claim 1, wherein the non-planar surface biases the movable pin assembly toward one side of the channel.

10. The electronic device as recited in claim 1, further comprising a plurality of magnets aligned with the plurality of spring-biased pin assemblies and configured to attract magnetically attractable elements proximate a corresponding receptacle connector.

11. The electronic device as recited in claim 10, wherein the plurality of spring-biased pin assemblies and plurality of magnets form a magnetic connector capable of being magnetically coupled to a portable electronic device having a compatible magnetically attractable connector.

12. The electronic device as recited in claim 10, wherein the plurality of magnets and the plurality of spring-biased pin assemblies are collinear.

13. An electronic device, comprising:

a device enclosure;

a contact structure located within the device enclosure, the contact structure comprising:

a plurality of pin assemblies configured to carry an electrical signal, each one of the plurality of pin assemblies comprising:

a barrel defining a cavity, the barrel having a closed first end opposite a second end that defines a pin opening;

a movable contact positioned at least partially within the barrel and a having a portion extending out of the

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pin opening such that a contact surface of the movable contact protrudes through an exterior surface of the device enclosure;

a magnet positioned within the barrel; and

a spring positioned within the barrel and located between the closed first end and the spring, the spring configured to bias the movable contact toward the pin opening.

14. The electronic device as recited in claim 13, wherein the contact structure further comprises a housing having a plurality of passages defining openings in a surface of the housing, corresponding ones of the plurality of pin assemblies being disposed within respective ones of the plurality of passages.

15. The electronic device as recited in claim 13, wherein movement of the movable contact within the channel is along a longitudinal axis of the barrel.

16. An electrical connector comprising:

a barrel including a first closed end opposite a second end, the second end defining an opening in communication with an interior of the barrel;

an electrical contact partially positioned within the barrel and having a tip extending through the opening;

a magnet positioned within the barrel and adjacent the first closed end of the barrel;

a spring coupling device positioned within the barrel and adjacent the magnet; and

a compression spring positioned within the barrel and between the spring coupling device and at least a portion of the electrical contact.

17. The electrical connector of claim 16 wherein the magnet is arranged to apply compressive force to the compression spring when the electrical connector is in a mated position.

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