

CARD EDGE CONNECTOR WITH
IMPROVED REFERENCE TERMINALS

Abstract Of The Disclosure

A card edge connector for mounting on a circuit board and removeably receiving a circuit card includes an elongated housing defining a card receiving slot.

5 Numerous terminal receiving cavities intersect and extend to both sides of the slot. Alternate cavities include stamped reference (ground or power) terminals and signal terminals, all having downwardly extending board contacts and upwardly extending spring arms. There are numerous
10 similar sets of face to face contacts, each including a reference contact parallel to and substantially overlying an opposed pair of signal contacts. The upwardly extending reference terminal spring arms include oversize pad portions for reducing crosstalk by increasing
15 coupling between the reference and signal terminals. The circuit paths to the circuit board are in an array symmetrical about the centerline of the circuit card, with parallel inner lines of circuits containing only reference contacts and outer lines of circuits containing
20 only signal contacts.

Fig. 4



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