

RIBBON CABLE CONNECTOR WITH GROUND BUS

ABSTRACT

An electrical connector for terminating flat cable (30) of the type having a plurality of signal conductors (32) and ground conductors (34) in parallel alignment
5 comprises a housing (10) which holds a plurality of signal contacts (12) and a ground bus (14). Each of the signal contacts has a signal conductor termination slot (66) configured for insulation displacement termination of a respective said signal conductor. The ground bus
10 has a plurality of ground conductor termination slots (72) each configured for insulation displacement termination of a respective said ground conductor, and at least one bypass slot (74) configured to permit at least one of said signal conductors (32) to pass through
15 said ground bus without termination thereto. The signal conductor termination slots, the ground conductor termination slots and the at least one bypass slot are arranged such that the plurality of signal and ground conductors reside in a common plane in the connector
20 after termination thereto.

Figure: 1