

ABSTRACTELECTRICAL CONNECTOR ASSEMBLY WITH TERMINAL ALIGNMENT
SYSTEM

5 A terminal alignment system is provided for an
electrical connector assembly (10) disclosed as an
insulation displacement type connector for terminating a
plurality of insulated conductors (14) of a multi-conductor
cable (12). The connector includes a dielectric housing
10 (16) having a plurality of terminal-receiving passageways
(54, 56) for the insertion thereinto of a plurality of
terminals (18) in a given insertion direction (A). Each
terminal (18) includes an insulation displacement section
(44) at one end for piercing the insulation about one of
15 the conductors, a contact section (46) at an opposite end
for mating with a mating terminal, and an intermediate
securing section (48) between the ends for securing the
terminal in a respective one of the passageways. The
insulation displacement section (44) of each terminal (18)
includes a notch (52) facing in the insertion direction
20 (A). The housing includes a rib (60) for interengagement
with each notch. Therefore, upon insertion of the
terminals into the passageways, the notch of each terminal
engages a respective rib to accurately align the insulation
displacement section of the terminal prior to termination
25 thereof to one of the insulated conductors. The terminal
notches (52) and the housing ribs (60) are located within
the bounds (50) of the insulation displacement sections
(44).

This Sheet Has Been Replaced

