

Title (en)
Electrical connector

Title (de)
Elektrischer Steckverbinder

Title (fr)
Connecteur électrique

Publication
EP 0994530 A2 20000419 (EN)

Application
EP 99203031 A 19990917

Priority
DE 19847369 A 19981014

Abstract (en)

An electrical connector (10) comprising a housing (12) having a first part (14) and a second part (16); and an electric contact (18); wherein the first part of the housing has a front face (20) and a rear face (22), a channel (24) formed in the front face and having an internal wall (28) remote from the front face and a side wall (30) with a shoulder (32) directed towards the front face and an angled surface (34) between the shoulder and the internal wall, and a through bore (26) extending between the rear face and the channel; wherein the second part of the housing has a front face (36), a rear face (38), and a through bore (40) extending between the front and rear faces and having a resilient latch tang (44) within the bore directed towards the front face with a lip (46) directed towards the front face; wherein the second part is positioned in the channel in the first part and is movable between an initial assembly position in which the rear face of the second part engages the shoulder in the channel and the bores are substantially aligned, and a fully assembled position in which the rear face of the second part engages the internal wall of the channel and the bores are out of alignment, the rear face of the second part engaging the angled surface during movement from the initial assembly position to the fully assembled position; and wherein the electric contact has a first rearwardly directed shoulder (50) and a second rearwardly directed shoulder (52), the contact being positioned in the bores with the first shoulder engaging the lip on the latch tang and the second shoulder engaging the internal wall of the channel when the second part of the housing is in the fully assembled position. Provides a double lock for the contact without the need for additional parts. <IMAGE>

IPC 1-7
H01R 13/436; H01R 13/424

IPC 8 full level
H01R 13/436 (2006.01); H01R 13/422 (2006.01)

CPC (source: EP)
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