

Title (en)

Surface mount connector having improved terminal structure

Title (de)

Oberflächenmontierbarer Steckverbinder mit einer verbesserten Anschlussklemmenanordnung

Title (fr)

Connecteur monté sur une surface ayant une structure de terminaux améliorée

Publication

EP 1020956 A1 20000719 (EN)

Application

EP 99309189 A 19991118

Priority

US 9901027 W 19990115

Abstract (en)

A surface mount connector is disclosed having an improved terminal construction that avoid shorting between adjacent terminal contact portions, while maintaining a multipole structure with a reduced pitch of the terminal solder tail portions. The connector has an insulative connector housing with a plurality of terminals loaded in the housing on opposite sides of an opposing connector engaging slot. The terminals have contact portions that face into the slot and which are arranged in parallel in a predetermined pitch. Solder tail portions of the terminals extend underneath portions of the terminals and are arranged in parallel in a pitch that is one-half that of the pitch of the terminal contact portions. <IMAGE>

IPC 1-7

H01R 12/32; **H01R 12/22**; **H01R 43/02**

IPC 8 full level

H01R 12/32 (2006.01); **H01R 12/55** (2011.01); **H01R 43/02** (2006.01)

CPC (source: EP)

H01R 12/57 (2013.01); **H01R 12/722** (2013.01); **H01R 43/0256** (2013.01); **H01R 12/707** (2013.01)

Citation (search report)

- [A] US 5238412 A 19930824 - MORISHITA YOSHIMASA [JP], et al
- [A] US 5645436 A 19970708 - SHIMIZU MANABU [JP], et al
- [A] EP 0569893 A2 19931118 - MOLEX INC [US]
- [A] US 5516297 A 19960514 - ATOH KOYOSHI [JP], et al
- [A] WO 9704505 A2 19970206 - WHITAKER CORP [US]

Cited by

CN109216976A; DE19960856A1; DE19960857A1; US6530787B2; US6544048B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1020956 A1 20000719

DOCDB simple family (application)

EP 99309189 A 19991118