

Title (en)

One-piece latching shield for a circular din connector.

Title (de)

Einstückiger, verriegelbarer Schirm für einen kreisförmigen DIN Verbinder.

Title (fr)

Blindage d'une pièce à verrouillage pour un connecteur circulaire din.

Publication

EP 0344972 A1 19891206 (EN)

Application

EP 89305297 A 19890525

Priority

- US 20206988 A 19880603
- US 20227688 A 19880603

Abstract (en)

A one-piece metal shield (12) for a surface mounted connector (10) having a substantially rectangular body (14) from which a plug portion (16) projects forwardly, is in the form of a rectangular box-like structure having a top wall (24) side walls (26) and a front wall (28). The front wall (28) has a circular opening (30) from the edge (32) of which spring fingers (34) project inwardly of the shield (12) for engaging the shielding (19) of a shielded electrical socket inserted through the opening (30) to mate with the plug portion (16). The shield (12) is secured to the body (14) by means of flanges (48 and 50) thereon which engage with a snap action in grooves in the body (14). At least the side walls (26) have mounting legs (54) for securing the shield (12) and thus the body (14) to a substrate. A latching finger (180) shorter than a spring finger (34), projects from edge of opening (30) for latching behind a depressible protuberance (90) on a complementary connector (20). During mating, the protuberance (90) displaces the latching finger (180) which resiles behind protuberance (90) when mating is completed.

IPC 1-7

H01R 13/658

IPC 8 full level

H01R 13/648 (2006.01); **H01R 13/627** (2006.01); **H01R 24/00** (2006.01); **H01R 13/658** (2011.01)

CPC (source: EP KR)

H01R 13/516 (2013.01 - KR); **H01R 13/627** (2013.01 - EP); **H01R 13/6582** (2013.01 - EP); **H01R 13/6594** (2013.01 - EP)

Citation (search report)

- [AD] US 4637669 A 19870120 - TAJIMA KYOUSUKE [JP]
- [A] US 4623211 A 19861118 - DAMBACH PHILIP J [US], et al

Cited by

CN108598768A; EP0540310A1; EP0524426A1; US5207597A; EP0801446A1; FR2747517A1; US5879193A; EP0543300A1

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0344972 A1 19891206; **EP 0344972 B1 19940330**; BR 8902563 A 19900123; CA 1303163 C 19920609; DE 68914194 D1 19940505; DE 68914194 T2 19941006; ES 2050799 T3 19940601; JP 2928267 B2 19990803; JP H0230076 A 19900131; KR 900001064 A 19900131; KR 940010426 B1 19941022

DOCDB simple family (application)

EP 89305297 A 19890525; BR 8902563 A 19890602; CA 599066 A 19890509; DE 68914194 T 19890525; ES 89305297 T 19890525; JP 14094289 A 19890602; KR 890007587 A 19890602