

Title (en)

CONNECTION ELEMENT FOR ELECTRICALLY CONNECTING TWO CIRCUIT CARRIERS

Title (de)

VERBINDUNGSELEMENT ZUM ELEKTRISCHEN VERBINDEN VON ZWEI SCHALTUNGSTRÄGERN

Title (fr)

ÉLÉMENT DE CONNEXION POUR LA CONNEXION ÉLECTRIQUE DE DEUX SUPPORTS DE CIRCUIT

Publication

EP 4230006 A1 20230823 (DE)

Application

EP 21777488 A 20210913

Priority

- DE 102020212934 A 20201014
- EP 2021075098 W 20210913

Abstract (en)

[origin: WO2022078683A1] The invention relates to a connection element (1) for electrically connecting a circuit carrier (25) to another circuit carrier (20). The connection element (1) has at least one solder connection (7, 8, 28, 29) for soldering onto the surface of the circuit carrier (25) and a connection pin, which is electrically connected to the solder connection (7, 8, 28, 29), for inserting into the other circuit carrier (20). According to the invention, the connection element (1) has a holding body (2), in particular a plastic body (2), and a contact element (3, 4, 16, 26, 34) which is connected to the holding body (2) and which is designed to be elastic. The contact element (3, 4, 16, 26, 34) has an end section, said solder connection being formed on the end section. The connection element (1) has a locking element which is connected to the connection element (1) in a movable manner back and forth between a locking position and a release position. The locking element is designed to limit the displacement of the contact element (3, 4, 16, 26, 34) in the locking position and release an elastic movement of the contact element (3, 4, 16, 26, 34) in the release position.

IPC 8 full level

H05K 1/14 (2006.01); **H05K 3/30** (2006.01); **H05K 3/32** (2006.01); **H05K 3/34** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2022078683A1

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