

Design flexibility for all your application ideas

- Overall or selective contact plating with tin, gold, silver or PdNi
- Connector packaging design matching your automated PCB assembly process
- Material and space-saving design
- Flexibility in tooling and adaption of production line with exchangeable tooling parts
- Various housing colors and coding
- Various PCB mounting technologies such as Press-Fit, SMT, THT, THR (PIP)

STAR-O STAMPED CHARGING PINS

Stamped and rolled crown-spring contacts from highly conductive copper alloy with galvanic silver plating

- Low temperature rise, insertion and pull-out forces
- 20,000 mating cycles
- Insert-molded for IP54
- Customizable to individual charger system housings and wire termination technologies in various industries
- Pin carrier reels for automated wire assembly
- Currently up to 250 amps

Typical applications:

- Charging ports and stations
- Charging adapters
- Wallboxes



www.dbv-electronic.com

Headquarters / Firmensitz:
DBV electronic GmbH & Co.KG
Bahnhofstr. 30
D-86470 Thannhausen
Telefon: +49-8281-4585
juergen.baumann@dbv-electronic.com

Sales office / Vertriebsbüro:
DBV electronic GmbH & Co.KG
Bahnhofstr. 30
D-86470 Thannhausen
Telefon: +49-8281-7987200
Fax: +49-8281-7987201
thomas.duft@dbv-electronic.com

C-MACH™ MACHINED CHARGING PINS OR SOCKET

Contact pins and sockets

- Customizable contact pins according to your individual charging housing and wire termination
- Highly conductive copper alloy with galvanic silver plating protected by lubricant
- Capable of handling the rated currents required for fast charging
- High current options 200A, 250A, 300A etc.

Typical applications:

- Charging ports and stations
- Charging adapters



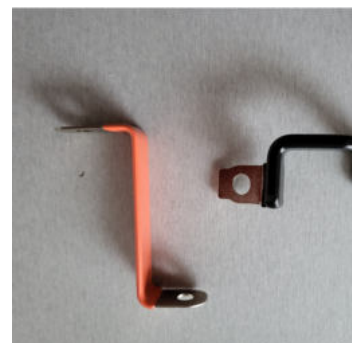
BUSBARS

Designed for power distribution in e-mobility.

- Tight production tolerances for perfect electric contact with high conductivity
- Wide range of high IACS copper alloy and aluminum materials available
- Custom designs with currently up to 1000 mm length and 10 mm thickness

Typical applications:

- EV power conversion & distribution
- EV motor connections
- EV battery packs and –modules
- Electrical switchyards in power, rail, medical, marine & aerospace applications



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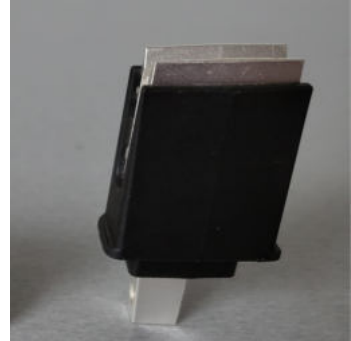
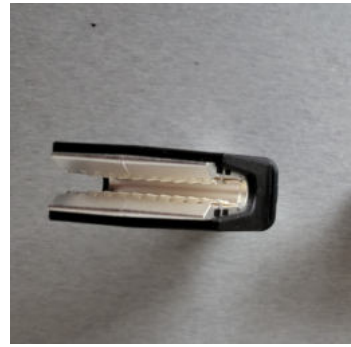
BUSBAR CLIP CONNECTOR

Designed for power distribution in e-mobility.

- Tightly more contact spring points
- Higher conductivity and longer-term reliability
- Dielectric withstand test (Hipot) 100%: 4300 VDC for 1 sec
- Screw mount and solder type available
- Customizable shape and current

Typical applications:

- EV power conversion & distribution
- Charging stations



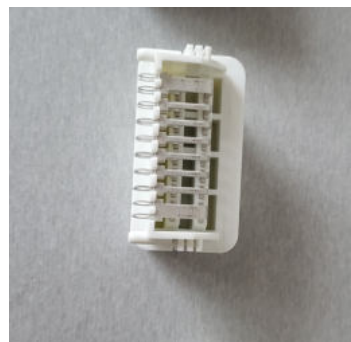
PRESS-FIT CONNECTORS

Increasing reliability with solderless PCB mounting

- Solderless processing without thermal stress on the components
- Higher throughput in PCB assembly thanks to simple mechanical mounting
- Higher reliability compared to conventional solder joint connections
- Significantly lower risk of tin whisker formation
- Environmentally friendly technology Certification according to IEC 60352-5
- Currently available pin thickness: 0.40 - 0.60 - 0.64 - 0.80 mm
- Base materials CuSn or CuNiSi

Typical applications:

- Airbag control modules
- Belt start generator unit
- EV/PHEV battery mgmt.



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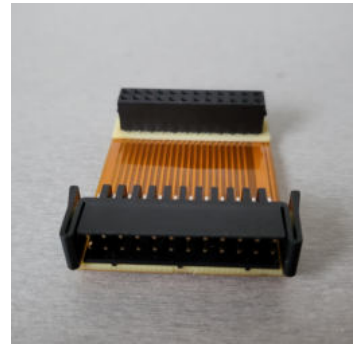
RIGID-FLEX-CONNECTORS

PCB connections with higher vibration and shock resistance

- Rigid FR4 board with SMT- or THT-soldered connectors
- FPCs in every length and number of copper traces
- Multi-layer FPC for individual pin mapping

Typical applications:

- Digital insulin pen
- DC/AC inverters
- EV power-transmission control



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