

LBT FAMILIES

Connectors series made for connecting the lithium polymer battery or for the A Type connecting DC-IN.

As they're low profile connectors, it saves space for applying the high current by adopting the thermal dispersion structure (B Type) and the heat radiation structure (A Type)

L B T A T Y P E
L B T B T Y P E

W W W . J S T . F R

**LBT A TYPE &
LBT B TYPE
ARE:**

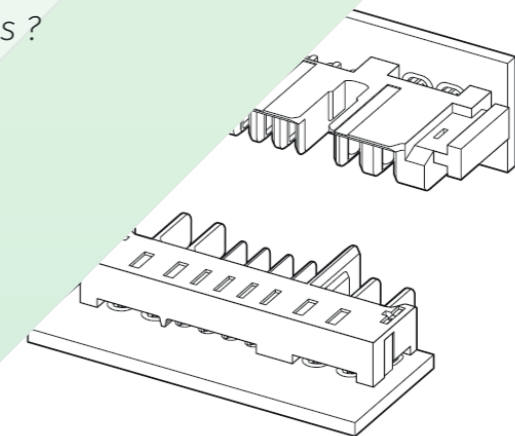
- Disconnectable & Crimp style connectors
- Emboss Tape
- Connectors for power supply (7A)
- Low Profile

For more information or samples ?
Feel free to contact us at:

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Emboss tape
Disconnectable crimp style connector
Heat radiation & sequence structure

For power supply (7A)
Low Profile (space saving)
High-strength

Hybrid model of Signal circuit + Power supply circuit
Check of incomplete mating

WTB connector

This connector is for connecting the lithium polymer battery or for connecting DC-IN, and has the sequence structure for connection to the power supply circuit in preference to connection to the signal circuit by dividing the signal circuit & power supply circuit clearly.

Moreover, this is the low profile connector for applying the high current by adopting the heat radiation structure.

For crimping our **SLBTAD-01T-M0.5** contact, the **PCR-LBTA** hand tool, is made for.

LBT A TYPE CONNECTOR

SPECIFICATIONS

Current rating: Signal circuit / 0.5A AC,DC (AWG#28)

Power supply circuit / 7.0A AC,DC (AWG#20)

Voltage rating: 50V AC,DC

Temperature range: -25°C to +85°C

Contact resistance: Signal circuit: Initial value / 20mΩ max. After environmental tests / 40mΩ max.

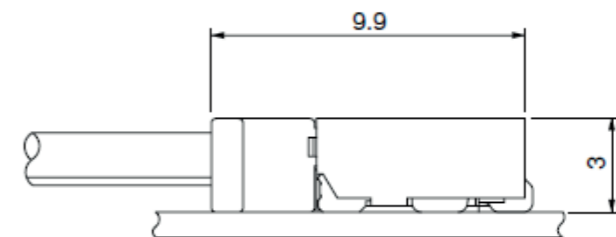
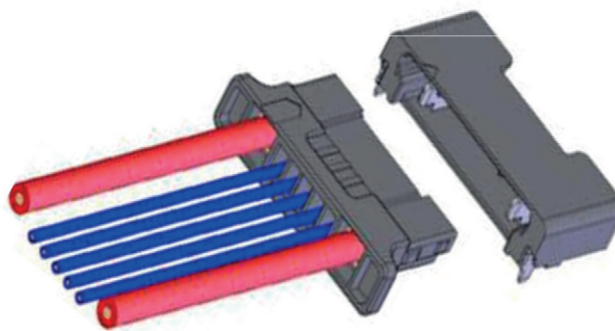
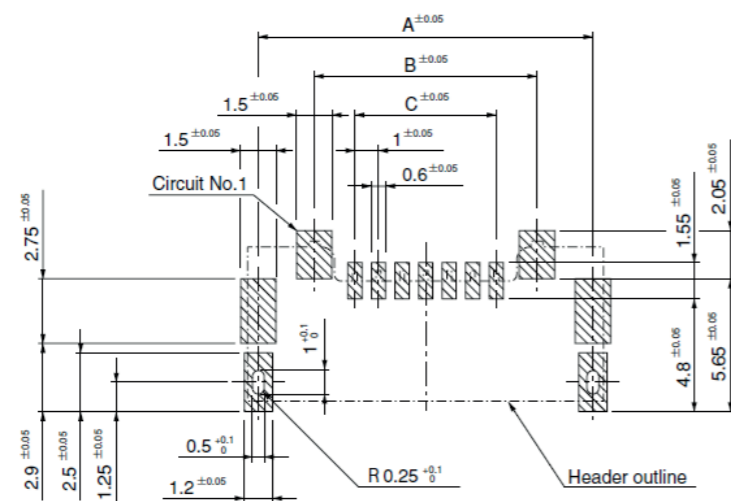
Power supply circuit: Initial value / 15mΩ max. After environmental tests / 30mΩ max.

Insulation resistance: 100MΩ min.

Withstanding voltage: 500VAC/minute

Applicable wire: Signal circuit: Conductor size / AWG#28 / Insulation O.D. / 0.6 to 0.8mm

Power supply circuit: Conductor size / AWG#28 to #20 / Insulation O.D. / 1.11 to 1.44mm



CONNECTOR EXPLODED VIEW

LBT A TYPE CONNECTOR

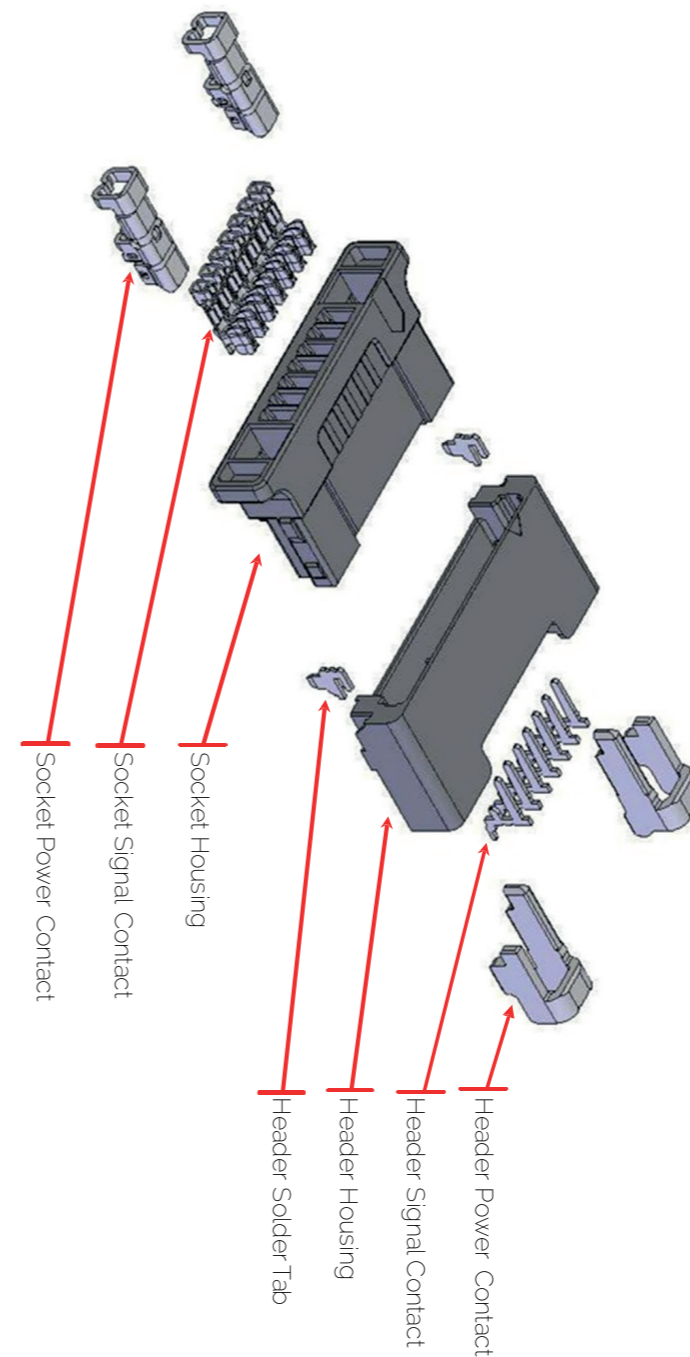
Many applications require a small form factor connector system for WTB connections, that incorporates both «power» & «signal» circuits.

The LBT A type series, crimp style connector system is offered in a WTB, molded in a RoHS compliant 94V-0, SMT headers & housings, and incorporate polarization & designed to prevent contact stubbing / back-out when mated.

PCB mounted headers are available in «side» entry configuration.

The series has an operating temperature range of -25°C to +85°C including temperature rise when applying an electrical current.

The series is offered in 3-5-7 & 9 circuit sizes.



LBT B TYPE CONNECTOR

Thermal dispersion structure
Sequence structure (when mating to the vertical & horizontal directions)

Structure to prevent contact from exposing
For power supply (7A)
Low Profile (space saving)

Hybrid type connector with signal circuit & power supply circuit

Check of incomplete mating

BTB Connector

This connector is for connecting the lithium polymer battery and has the sequence structure for connection to the power supply circuit when mating to the vertical & horizontal directions by dividing the signal circuit & power supply circuit clearly.

Moreover, this is the low profile connector for applying the high current (power supply circuit 7A/Single circuit, total 4-circuit) by adopting the thermal dispersion structure.

SPECIFICATIONS

BRAND NEW CONNECTOR SERIE

Current rating: Signal circuit / 0.5A AC,DC (AWG#28)

Power supply circuit / 7.0A AC,DC (AWG#20)

Voltage rating: 50V AC,DC

Temperature range: -25°C to +85°C

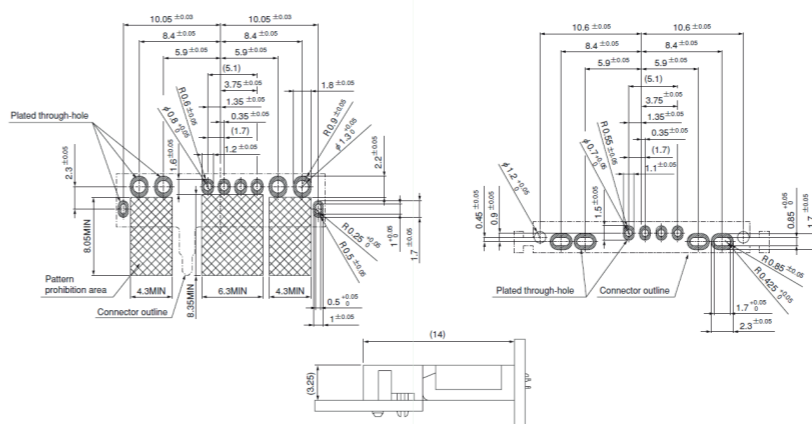
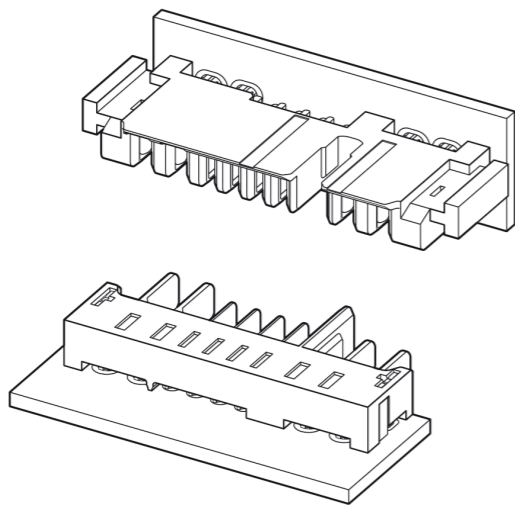
Contact resistance: Signal circuit: Initial value / 20mΩ max. After environmental tests / 40mΩ max.

Power supply circuit: Initial value / 15mΩ max. After environmental tests / 30mΩ max.

Insulation resistance: 100MΩ min.

Withstanding voltage: 500VAC/minute

Applicable PC Board thickness: 1.0mm



B TYPE

BRAND NEW LBT

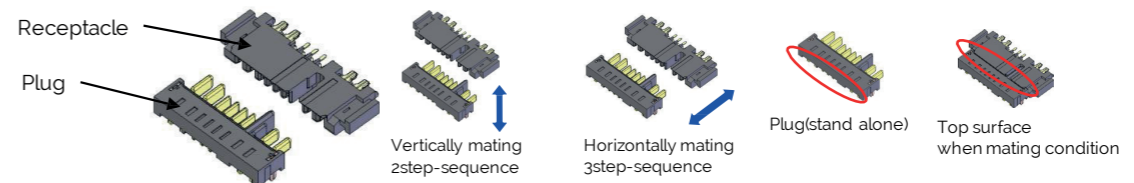
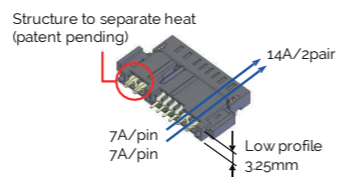
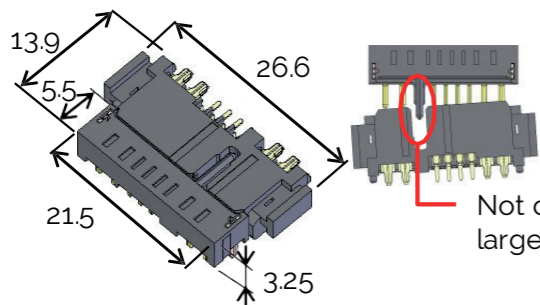
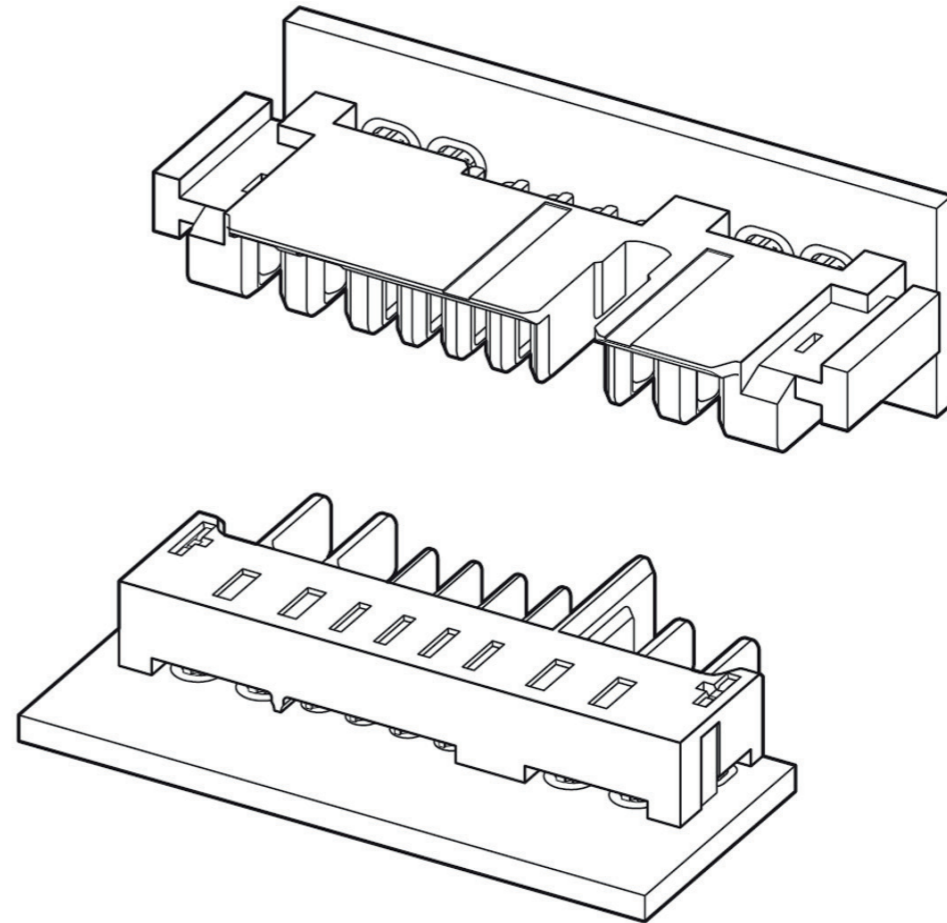
The low profile & high current 14A/2 pair can be applied & realized. The 4 signal contacts & the 4 power supply contacts are clearly separating blade type connector for battery.

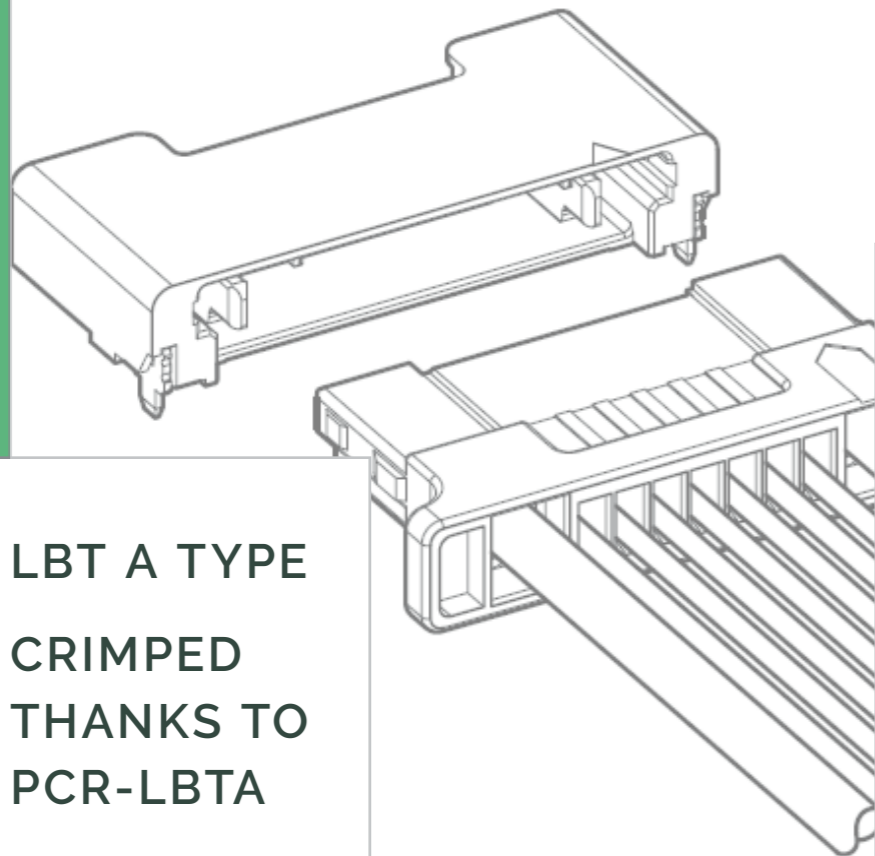
Due to the structure to separate heat is designed for Power Supply contact of receptacle contact (patent pending) in order to low profile 3.25mm & high current 14A/2 pair.

It provides both vertically & horizontally mating flexibly connected to requests for mating angle.

> When vertically mating: 2 step-sequence connected in order of «Power(-) precedes other contacts».

> When horizontally mating: 3 step-sequence connected in order of «power supply (-)>> power supply (+)>> signal».



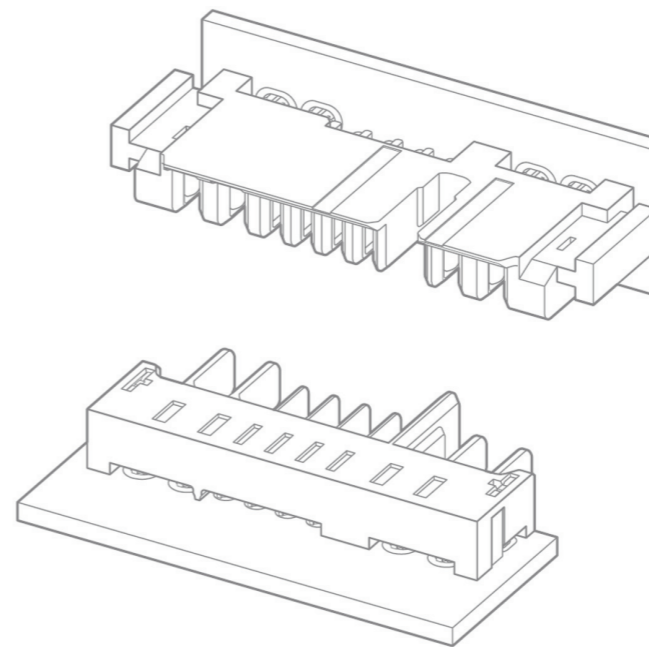


**LBT A TYPE
CRIMPED
THANKS TO
PCR-LBTA
WTB**

WWW.JST.FR

*Feel free to contact us for more details
about those two series.*

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**NEW
LBT B TYPE
BTB**