

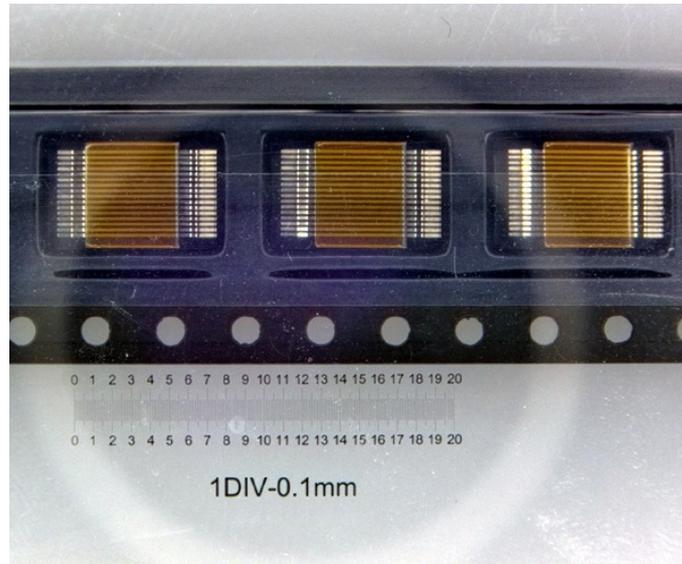
1. Application Scope and product features

Our board to board cables are the special versions with the smallest pitch in the SMD JUMPER CABLE product series, currently available in 0.3mm and 0.35mm pitch options.

The kind of 0.3mm and 0.35mm pitch board to board cables can perfectly replace conventional board-to-board connectors in certain product applications. These traditional board-to-board connectors have significant limitations in terms of stacking height and number of position.

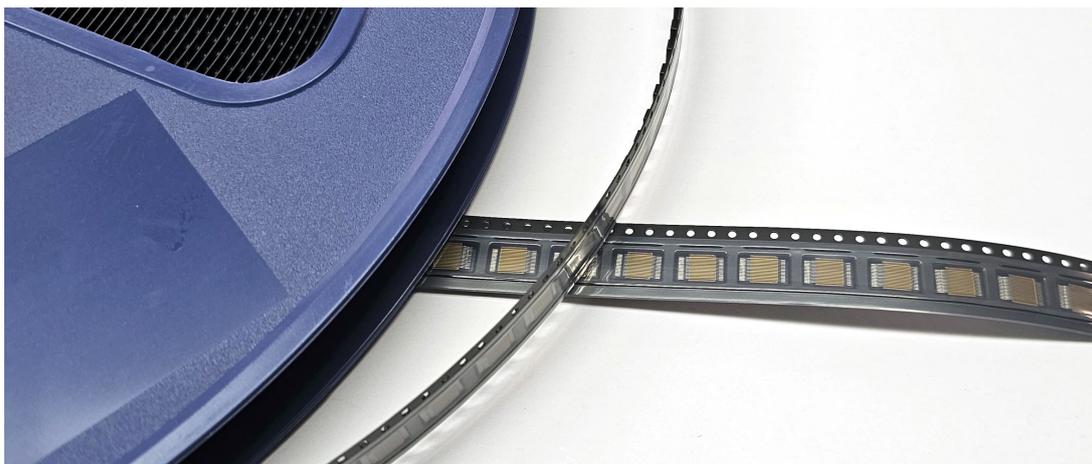
Overcoming these limitations requires high mold development costs and long development cycles. However, board to board cables offer a more flexible range of choices in cable length and number of positions, providing designers with a new and innovative approach to development.

The kind of 0.3mm and 0.35mm pitch board to board cables are suitable for sensors, electronic components, microcomputer, micro PLC, drones, smartphones, smartwatch, wearable devices, mini cameras and camcorders, mini health monitoring devices, etc.



2. Tape-reel packaging

It is packaged in a tape-reel and goes through all pick-and-place processes by SMD automatic placement machine. It is designed for reflow soldering for surface mount interconnect (SMI).



3. PCBA informations

board to board
interconnection



90 degrees board to
board interconnection



90 degrees board to board
interconnection (bend inward)



180 degrees board to
board interconnection



180 degrees board to board
interconnection (bend inward)



4. The specifications of board to board cable

- 4.1 Contact pitch: 0.3mm, 0.35mm.
- 4.2 No. of Pos.: 8 to 40
- 4.3 Cable length: 6mm to 30mm
- 4.4 Min. Bend Radius: 1mm (the insulation area)
- 4.5 Current rating: 0.2A for the single wire
- 4.6 Max. voltage: 60V
- 4.7 Contact resistance: 1595 Ω /km for the single wire at 20 °C
- 4.8 Dielectric withstanding Voltage: 250V
- 4.9 Insulation resistance: 100M Ω
- 4.10 Operating temperature: -40 °C to +125 °C
- 4.11 Max. soldering temperature resistance: 300 °C for 40sec
- 4.12 Conductor material: copper wire with tin plated
- 4.13 Insulation material: polyimide