

Product Data Sheet

Colibri Plug 200, 5mm,
Part No. 401-51201-51

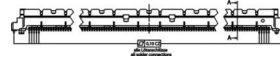
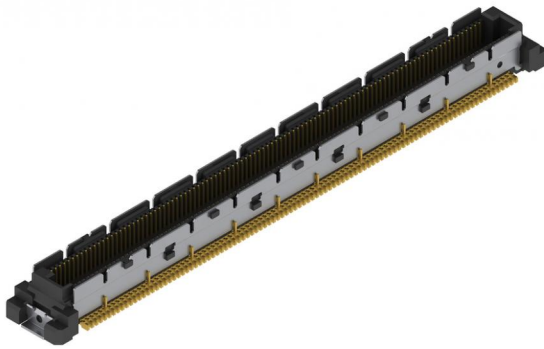


Illustration similar



Parallel



SMT



High Density



High Speed

- for 5 mm board-to-board distance
- 200 contacts
- termination technology SMT
- pitch 0.5 mm
- data transfer rate 10+ Gbit/s



» to product on www.ept.de



» to product group Colibri - 0.5 mm SMT

Product Data Sheet

Colibri Plug 200, 5mm,
Part No. 401-51201-51



Technical Specifications

Basics

| | |
|-----------------------------|-----------------|
| No. of Contacts | 200 |
| Termination Technology | SMT |
| Board-to-Board Distance | 5 mm |
| Operating Temperature Range | -40°C to +125°C |

Material

| | |
|--------------------|----------------|
| Insulator Material | LCP, UL 94 V-0 |
| Contact Material | Copper alloy |
| Plating | Au over Ni |

Mechanical

| | |
|--------------------------|------------------|
| Pitch | 0.5 mm |
| Mating Force per Pin | max. 0.9 N |
| Separating Force per Pin | min. 0.1 N |
| Durability | 30 mating cycles |
| Coplanarity | max. 0.1 mm |

Electrical

| | |
|-----------------------|------------|
| Operational Current | max. 0.5 A |
| Operational Voltage | 50 VAC |
| Contact Resistance | max. 75 mΩ |
| Insulation Resistance | > 100 MΩ |
| Test Voltage | 200 VAC |
| Data Transfer Rate | 10 Gbit/s |

Processing

| | |
|-----------------------|---------------------|
| Soldering Temperature | 260°C per J-STD-020 |
| MSL | 1 |
| Assembly | Pick and Place |

Approval / Compliance

| | |
|-------------|----------------|
| UL file | E130314 |
| Environment | RoHS compliant |

Product Data Sheet

Colibri Plug 200, 5mm,
Part No. 401-51201-51



Modifications

Available on request

- different number of contacts
- other stacking heights
- alternative contact surfaces

Drawings

Component data in 2D and 3D format you can download here:

[» PDF](#)

[» 3D IGES](#)

[» 3D STEP](#)

[» 3D PDF](#)