

## FEATURES AND SPECIFICATIONS

[查询"85349-0006"供应商](#)



**2.00 mm (.079") Pitch  
EMILY™  
Low Profile SMT Connector  
Front I/O – EMI proof**

**85349**

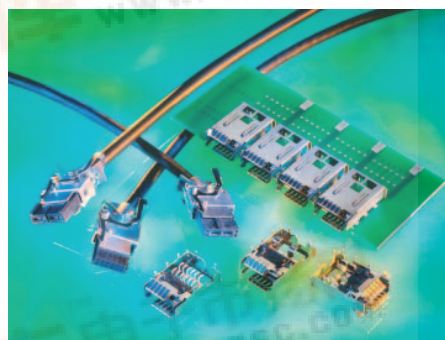
**EMILY™ Board  
Signal Connector**

**Low Profile EMILY™ Front I/O Connector System combines SMT Pick & Place Board Connectors with shallow positive lock Cable Connectors**

EMILY™ connectors were designed in cooperation with a major telecom equipment manufacturer. The requirement was to combine Signal ( $6 \times 622$  Mbps or  $4 \times 1.2$  Mbps), Hybrid (4 controls plus  $2 \times 5$  A), and Power ( $2 \times 25$  A) requirements in one connector system which allows fully automated production of daughter cards (SMT Pick & Place) in a high density shelf system with 15 mm board-to-board spacing. Board connectors come in tape & reel packaging for fully automated production. Cable connectors use fully EMI proof die casted shells with a positive latching system for easy installation.

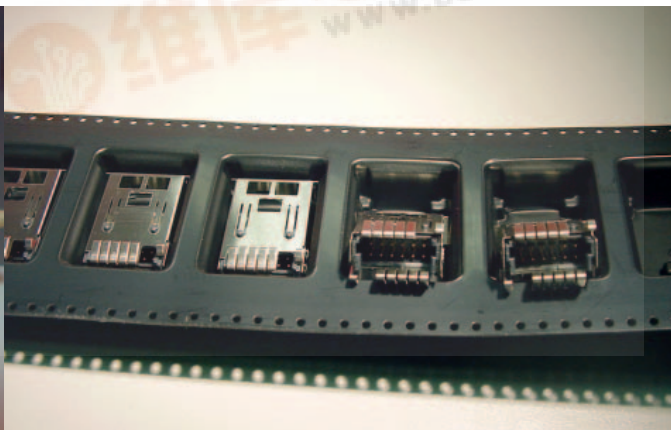
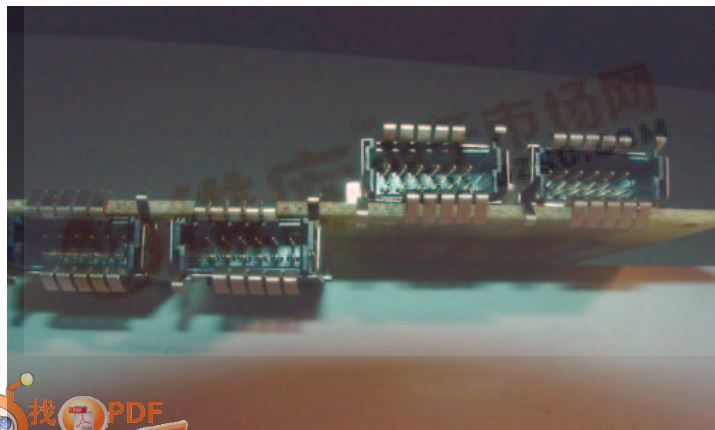
### Features and Benefits

- 15 mm Board-to-Board Spacing
- Pick & Place SMT
- Tape & Reel packaged
- EMI/RFI proof
- Polarized mating face
- Positive Locking System
- Unlock without tool
- Data rates up to 622 Mbps
- Cable pull is secured by locking system to front panel; no stress on solder joints
- Mirror version
- Ground springs contact front panel and cable connector hood



### APPLICATIONS

- Base Stations
- Switching equipment
- Box-to-Box high speed links
- DC Power supplies
- Fan units
- Industrial Controls
- Sensors & Motion Devices
- Medial Equipment



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**Low Profile SMT Connector**  
**Front I/O – EMI proof**

**85349**

**EMILY™ Board**  
**Signal Connector**

### Reference Information

Product Specification: PS 85372-001

Packaging: Tape & Reel

Mates with: 85372

Designed in: mm

### Electrical

Voltage: 30 VRMS

Current: 0,5 A/contact

Contact Resistance: 20 mΩ max.

Dielectric Withstanding Voltage: 250 VDC

Insulation Resistance: 5000 MΩ min.

### Mechanical

Insertion force to PCB: < 1 N

Mating Force: 0,6 N max/contact

Unmating Force locked: > 120 N

Unmating Force unlocked: 3 N min

Ground contact force: mated min 2 N;  
unmated min 0,2 N

Durability: 200 cycles

### Physical

Shield: CuNi18Zn20

Housing: glass-filled Liquid Cristal

Polymer, UL 94V-0

Contact: CuSn6

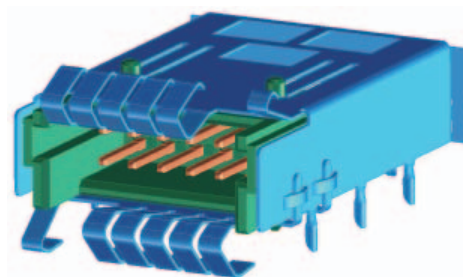
Plating: Contact Area – 0.76 μm Gold

Solder Tail Area: 3–5 μm Tin

Underplating: 1–2,5 μm Nickel

PCB Thickness: 1.6 ... 3.5 mm

Operating Temperature: –20 to +85 °C max.

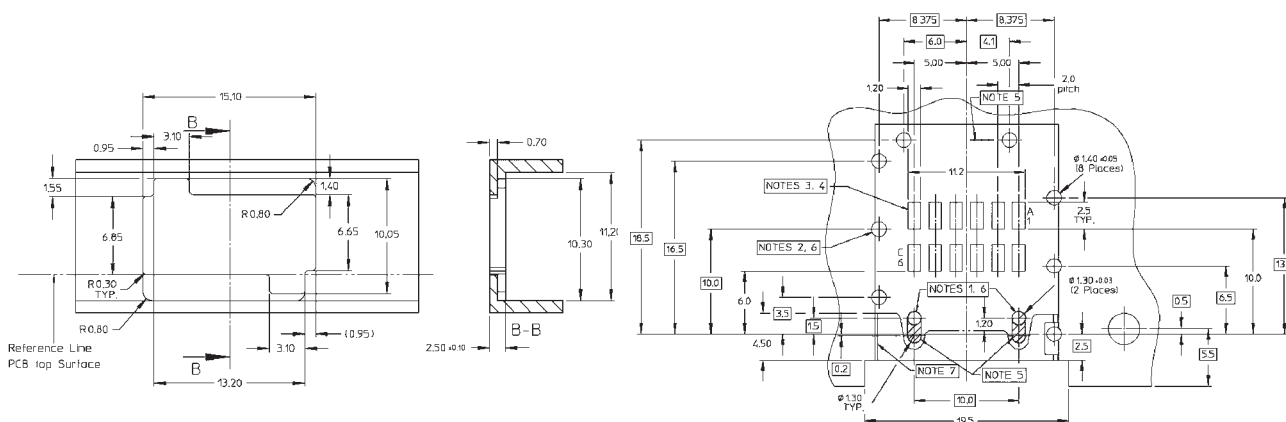


## ORDERING INFORMATION AND DIMENSIONS

| Circuits | Loaded Contacts | No. of Signals | Order No.   | Description                         |
|----------|-----------------|----------------|-------------|-------------------------------------|
|          |                 |                | Tape & Reel |                                     |
| 12       | 12              | 6×622/4×1.2    | 85349-0006  | Emily Signal Board Connector        |
| 12       | 12              | 6×622/4×1.2    | 85349-0021  | Emily Signal Board Connector Mirror |

Dimensions Signal Connector SD 85349-102

Dimensions Signal Connector Mirror Version SD 85349-201



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