

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 $^{\text{\tiny{MC}}}$ 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

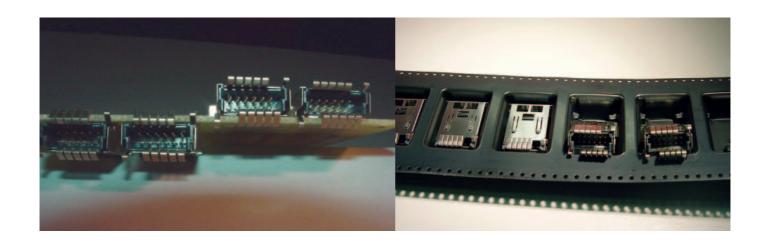




APPLICATIONS

- **■** Base Stations
- Switching equipment
- Box-to-Box high speed links
- DC Power supplies

- Fan units
- Industrial Controls
- Sensors & Motion Devices
- Medial Equipment



SPECIFICATIONS



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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: $20~\text{m}\Omega$ max. Dielectric Withstanding Voltage: 250~VDC Insulation Resistance: $5000~\text{M}\Omega$ 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

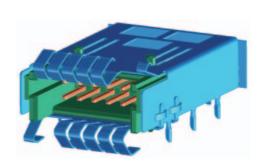
Shield: CuNi18Zn20

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.

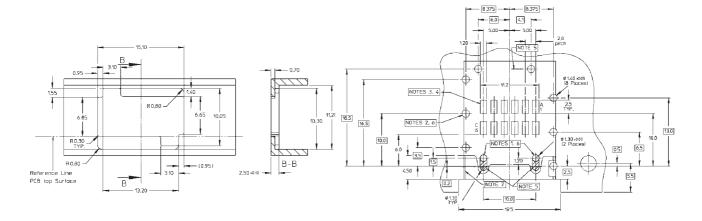


ORDERING INFORMATION AND DIMENSIONS

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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