General Information

Design
- IEC 61076-4-113 type: har-bus 64 female

No. of contacts
- max 160

Contact spacing
- 2.54mm

Test voltage
- 1000V

Contact resistance
- max. 200Ω/m for rows a, b, c
- max. 300Ω/m for rows d, e

Insulation resistance
- min. 1000MΩ

Wiring current
- 1A at 70°C (see wiring diagram)

Temperature range
- -60°C ... +160°C (due to limitations of PCB material)

Termination technology
- press-in

Clearance & creepage
- minimum distance between 2 rows: clearance 1.2mm, creepage 1.2mm
- minimum distance between 2 contacts in a row: clearance 1.2mm, creepage 1.2mm

Insertion and withdrawal force
- max. 150N

PCB thickness
- min. 1.5mm

Mating cycles
- Pl. 1 acc. to IEC 61076-4-113: 500 mating cycles
- Pl. 2 acc. to IEC 61076-4-113: 250 mating cycles

UL file
- E102019

RMS - compliant
- Yes

Leaffree
- Yes

Insulator material

Material
- LCP (Liquid Crystal Polymer)

Coloured
- nature

UL classification
- UL 94-V0

Material group acc. to IEC 60664-1
- IIa (RFS g T244 x 400)

Contact material

Contact material: Copper alloy

Plating termination zone
- Ni

Plating contact zone I
- Au over Ni for rows a, b, c

Plating contact zone II (termination side)
- Au over Ni for all rows

Wiring diagram acc. to IEC 60522-5 (Current carrying capacity)

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals.

The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60522-5

With selective loading higher currents can be transmitted. The requirements according to VITA 17 are fulfilled.