

Board to Board Connectors

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2AB25M169P1001-1-2

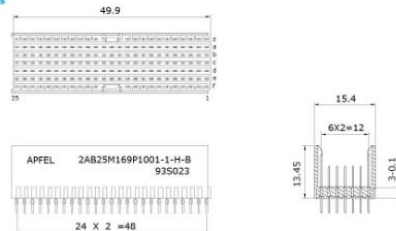
2.0MM HARD METRIC CONNECTORS

Vertical Male Type AB25 Connectors for Fix Boards

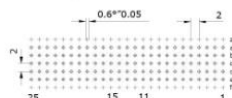


Type AB25 vertical male connector provides 125 signal contacts and optional 44 shielding contacts respectively in 5 + 2 row X 25 position configuration. All are end to end stackable without change in contact pitch.

Dimensions



Recommended P.C.B. layout



Dimensions shown are for reference purpose only. All dimensions are in millimeters unless otherwise specified.

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Category:

Board to Board Connectors

Sub-Category:

2.0mm Hard Metric

Type:

Type AB, Male

Application:

Connectors

Mechanical Specifications

Grid Size : 2.0mm
Operating Temperature : -55°C to 125°C
Insulation Material : Glass filled Polyester, UL 94V-0
Contact Material : Phosphor Bronze
Air and Creepage Distance : Male 0.8mm, Female 0.6mm
Contact Levels :
Level 1 - 5.3mm
Level 2 - 6.8mm
Level 3 - 8.3mm
Mating Force per Signal Contact : 0.75N Max.
Mating Force per Shield Contact : 1N Max.
Withdrawal Force per Contact : 0.15N Max.
Termination Technique : Compliant Press-Fit
Inclination : +/- 2 degree

Electrical Performance

Current Rating : 1.5A at 20°C, 1.0A at 70°C
Test Voltage : -55°C to 125°C
Insulation Material : 750Vrms
Contact Resistance : 20mΩ Max.
Insulation Resistance : 104MΩ Min.

Recommended P.C.B Plated Through Holes

Drilled Hole : $\varnothing$ 0.89 - 0.72mm
Cu : Min. 25μm
Sn : 5-15μm
Plated Through Hole : $\varnothing$ 0.55 - 0.65mm

Agency Approval

UL file E149341, Electric rating: 250V, 2A
Please note : Specifications are subject to change without prior notice.

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