

WTB BMI FAN Connectors

FINE PITCH CONNECTORS WITH BLIND-MATE INTERFACE

Amphenol's wire-to-board fan connectors come with Blind-Mate Interface. The 1.25mm pitch wire-to-board connectors meet a maximum of 2.8A/pin current carrying capacity, whereas the 2.00mm pitch wire-to-board connectors meet a maximum of 5.3A/pin and the 2.54mm pitch wire-to-board connectors meet a current-carrying capacity of maximum 5.5A/pin. These connectors come with a cable side terminal crimping and are available in one wire and two wires options.

- Blind-Mate Interface
- Higher current solution options
- Fine pitch options including 1.25mm, 2.00mm, 2.54mm
- Different tail length options
- Cable side terminal crimping with one wire and two wires options



TARGET MARKETS



FEATURES

- Blind-Mate Interface
- Fine pitch options including pitch 1.25mm, 2.0mm, 2.54mm
- 1.25mm, 2.00mm, and 2.54mm pitch connectors meet a maximum of 2.8A/pin, 5.3A/pin, and 5.5A/pin current carrying capacity respectively
- Different tail length options

BENEFITS

- Easy to assemble
- Suitable for high current applications
- Cable side terminal crimping with one wire and two wires options
- Application flexibility

TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature thermoplastic, UL94V-0
- Contact: Copper alloy and high performance copper alloy options

MECHANICAL PERFORMANCE

- Mating Force: 0.5kgf per pin max.
- Un-mating Force: 0.03kg per pin min.
- Durability: 50 cycles

ELECTRICAL PERFORMANCE

- Current Rating: 5.5A max.
- Low Level Contact Resistance: Initial 30mΩ max., ΔR 20mΩ max. after test
- Voltage: 250VDC

ENVIRONMENTAL

- Thermal Shock: No evidence of damage. EIA 364-32C
- Humidity Temperature Cycling: No appearance damaged. EIA-364-31
- Temperature Life: No appearance damaged, EIA-364-17
- Salt Spray: Contact resistance ΔR 10mΩ max. No exposure of the base metal due to corrosion. EIA 364-26

APPROVALS & CERTIFICATION

- EIA

SPECIFICATIONS

- Amphenol Specification:
 - 2.54 pitch BMI WTB high current PS-07830
 - 2.54 pitch BMI WTB PS-7591
 - 2.0 pitch BMI WTB PS-7519
 - 1.25 pitch BMI 1X6 pin WTB PS-7588
 - 1.25 pitch BMI 2X8 pin WTB PS-7821
 - 1.25 pitch BMI 2X8 pin WTB high current PS-7714

PACKAGING

- Tray
- Tape & Reel

TARGET MARKETS/APPLICATIONS



Communications



Consumer



Data center



Industrial & Instrumentation

PART NUMBERS

Description	Part Numbers
2.54 pitch BMI WTB	G861AXXXXD1HR G861AXXXXD3HR G861AXXX1THR G861AXXXCHR G861AXXXD2HR G861AXXXHR G861AXXX1T4HR G861AXXX1T1HR G55H2XXDHR G55CX21XD1EU G55CX21XDEU
2.0 pitch BMI WTB	G861XXX2XD1HR G861XXX2XDHR G861XXX1XD22TEU G861XXX1XD4THR G861XXX1X1D3EU G861XXX1XD21TEU G861XXX2XD4HR G861XXX1XD21TEU G861XXX1XD2TEU G861XXX1XD4EU G861XXX1XD3EU G861XXX1XD2EU G861XXX1XD1EU G875H1XX20DEU G875CXX1XXDEU
1.25 pitch BMI WTB	G880A06X312EU G880A06XX12EU G841AH06AEU G841AH064EU G841ACXX1EU G880A16XX15EU G841AH169EU G841AH167EU G841ACX213EU G841ACX233EU G841AC1XX1EU