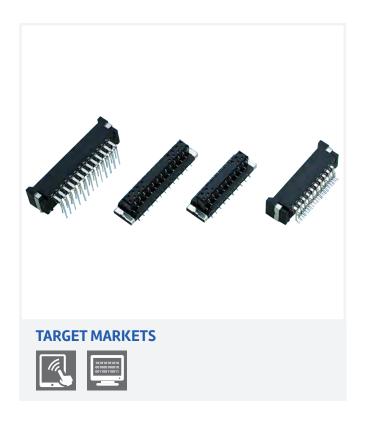
BTFW Series

RELIABLE DESIGN, ENHANCED RETENTION

Amphenol's BTFW is a floating board-to-board solution with a wide floating allowance in pitch and width direction. It is ideal for applications that require high density and high reliability.

- Wide floating allowance helps to absorb mating shift and self-alignment of the mating connectors
- Rigid entry guide design vibration shock absorption
- Wide guide distance helps to ease blind mating



FEATURES

- Wide floating allowance
- Rigid entry guide design
- Wide guide distance for mating
- 1.00mm (0.039in.) staggered contact design
- Mounting plates on both sides of the plug and receptacle
- Flat top surfaces of SMT housings
- RoHS compliant and lead-free

BENEFITS

- Helps self-alignment of the mating connectors
- Absorbs vibration shock
- Eases blind mating
- Saves space
- Ensures PCB Retention
- Allows pickup with vacuum nozzle and eliminates the need for pickup covers that must be removed after soldering
- Meets environmental, health and safety requirements



TECHNICAL INFORMATION

MATERIAL

• Housing: Glass Filled Thermoplastic (UL94V-0)

• Color: Black

SMT plug

Contact: Phosphor BronzeContact Plating: Tin Alloy

• SMT and DIP receptacle

Contact: Brass

• Contact Plating: Tin Alloy

Mounting PlateContact: Brass

• Contact Plating: Tin Alloy

MECHANICAL PERFORMANCE

• Mating Force: 2.5N per contact max.

• Unmating Force: 0.2N per contact max.

Contact Wipe: 1.6mm (0.063in.)

Durability: 20 mating cycles

ELECTRICAL PERFORMANCE

 ${\color{red}\bullet}$ Contact Resistance: 70m Ω max. initial

• Insulation Resistance: $100M\Omega$ min.

• Dielectric Withstanding Voltage: 500VAC RMS, 60Hz

• Current rating: 1A

SPECIFICATIONS

Product specification: GS-12-555

ENVIRONMENTAL

■ Operating Temperature Range: -55°C to +85°C

PACKAGING

- Embossed tape-and-reel for SMT connectors
- Trays for DIP connectors

TARGET MARKETS/APPLICATIONS



PDP Displayer & TV LCD Displayer & TV Set Top Box DVD Players/Recorder D-VHS Player



Entertainment PC