



**THE DATASHEET OF
BTFW14P-3SSTE4LF**



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



TARGET MARKETS



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 Bronze
 - Contact Plating: Tin Alloy
- SMT and DIP receptacle
 - Contact: Brass
 - Contact Plating: Tin Alloy
- Mounting Plate
 - Contact: 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

- Contact Resistance: 70mΩ max. initial
- Insulation Resistance: 100MΩ 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

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