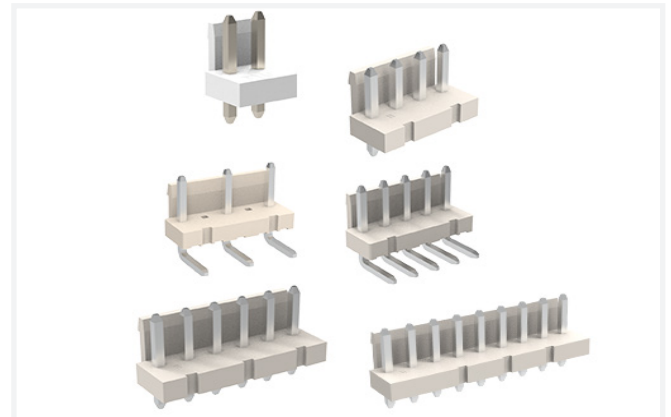


AgilLink™ 3.96mm Wire-to-Board (G52 Series)

CUSTOMIZABLE SHROUDED WIRE-TO-BOARD HEADER

AgilLink™ 3.96mm wire-to-board is the most common solution for transferring power and signal. This series can carry a maximum current rating of 6A. Amphenol offers a comprehensive range of these headers including V/T DIP, V/T SMT, R/A DIP, R/A SMT to meet various customer requirements. It comes with customizable pin length which makes it an ideal choice for several applications and specific designs.

- Customizable pin lengths to meet various application requirements
- Cost-effective
- High current rating
- Supports PiP process
- Latch option



TARGET MARKETS



FEATURES

- Flexible and easy to change pin length
- Various mounting options including vertical DIP, right angle DIP
- High temperature thermoplastic material
- Tape and reel packaging option
- Mates with WTB G53H/C
- RoHS compliance and halogen-free

BENEFITS

- Application and design flexibility
- Ease in choosing board mating configurations
- Re-flow compatible
- Supports PiP process
- Mutually compatible for wire to board
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature thermoplastic, UL94V-0
- Contact: Copper Alloy, selective Gold or Tin plating on contact area, Gold flash or Tin plating on solder tail and Nickel under-plated overall

MECHANICAL PERFORMANCE

- Contact Retention Force: Base on individual P/N
- Durability: 30 cycles
- Insertion Force: Base on individual P/N
- Withdrawal Force: Base on individual P/N
- Vibration: 1μs max., EIA 364-28
- Mechanical Shock: 1μs max., EIA 364-27

ELECTRICAL PERFORMANCE

- Current Rating: 2~3A AC/DC
- Voltage Rating: 50VAC/VDC
- Temperature: -40°C to +85°C
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 100MΩ min.

SPECIFICATIONS

- Amphenol Product Specification: GS-52

PACKAGING

- Tape and reel
- Bag

ENVIRONMENTAL

- Thermal Shock: a) -55°C ~ 30 minute. b) +85°C ~ 30 minute, 10 cycles, EIA 364-32
- Humidity: 60°C, 90~95%RH, 240 hours, EIA 364-31
- Heat Resistance : 85°C, 96 hours, EIA 364-17
- Cold Resistance: -40°C, 96 hours, EIA 364-17
- Solderability: 95% min. solder coverage, EIA 364-52
- Resistance to Soldering Heat: Peak Temperature: 260°C max., 10 seconds max.

TARGET MARKETS/APPLICATIONS



Communications



Consumer



Server
Storage



Industrial & Instrumentation



Medical

PART NUMBERS

Part Numbers	TYU P/N	Description	FOR	2023 Cost(USD)
G5204113TEU	TU6001WNV-04	Power Header 3.96mm Pitch STR DIP, 1x4Pin, Matte Tin, NY66, Tail=3.7mm, Color-White, Bag	G5204113TEU	G52XX11XTEU
G5205121CHR		Power Header 3.96mm Pitch R/A DIP, 1x5Pin, Removed#2pos and 4pos, Matte Tin, NY66, Tail=3.6mm, Color-Natural, Bag	G5205121CHR	G520512XCHR
G52051132CHR		Power Header 3.96mm Pitch STR DIP, 1x5Pin, Matte Tin, NY66, Tail=3.7mm, Color-White, Bag	G52051132CHR	G52XX11XXCHR
G53H051C1HR		G53H Series, 3.96mm Pitch, 1x5pin, Cable Side Housing, NY66, Crimping Type, Latch Type, Color-Natural	G53H051C1HR	G53HXXXC1HR

CMIOAL396WTVB0723EA4