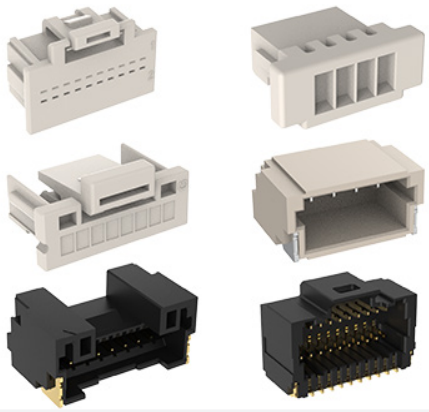
AgilLink™ 1.0mm Wire-to-Board (G846 Series)

CUSTOMIZABLE SHROUDED WIRE-TO-BOARD HEADER

AgilLink™ 1.0mm Wire-to-Board is the most common solution for transferring power and signal. This series can carry a maximum current rating of 1A. Amphenol offers a comprehensive range of these headers including Single Row V/T SMT, R/A SMT and Dual Row V/T SMT, R/A SMT to meet various customer requirements. It comes in customizable for Low profile or latch feature, which makes it an ideal choice for several applications and specific designs.

- Save space with 1.0mm pitch
- Cost-effective
- Latch option
- Supports PiP process
- Easy pin insertion and high retention force onto PCB



TARGET MARKETS



FEATURES

BENEFITS

FEATURES	BENEFITS
Low Profile option	Save device space
Various mounting options including Single row/Dual Row vertical SMT and right angle SMT	Ease in choosing board mating configurations
High temperature thermoplastic material	Re-flow compatible
Tape and reel packaging option	Supports PiP process
Latch design	Ease for Mating and unmating
Mates with Header WTB G846 and G842	Mutually compatible for wire-to-board
RoHS compliance and halogen-free	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: 1A AC/DC
- Voltage Rating: 50VAC/VDC
- Temperature: -25°C to +85°C
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 100MΩ min.

SPECIFICATIONS

- Amphenol Product Specification: GS-846

PACKAGING

- Tape and reel
- Bag

ENVIRONMENTAL

- Thermal Shock: a) -25°C ~ 30 minute. b) +85°C ~ 30 minute, 5 cycles, EIA 364-32
- Humidity: 40°C, 90~95%RH, 96 hours, EIA 364-31
- Heat Resistance : 85°C, 96 hours, EIA 364-17
- Cold Resistance: -25°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

Disclaimer
Please note that the above information is subject to change without notice.

PART NUMBERS

Orientation	Termination	Row	Part Numbers	Solder Tail Length	Package
vertical	SMT	Dual	G846AXX0X1XS1HR		T&R With CAP
			G846AXX2XXT4EU		T&R With CAP
			G846AXX2XXT4EU		T&R With CAP
			G846AXX2XXT4EU		T&R With CAP
			G846AXX2X1THR		T&R With CAP
			G846AXX2XXT4EU		T&R With CAP
			G846AXX2X1T2EU		T&R With CAP
			G846AXX2XXT4EU		T&R With CAP
			G846AXX2X0XT1HR		T&R With CAP
			G846AXX2XXT4EU		T&R With CAP

Orientation	Termination	Row	Part Numbers	Solder Tail Length	Package
vertical	SMT	Single	G846AXX0X0C1EU		T&R With CAP
			G846AXX0X1XSHR		T&R With CAP
			G846AXX0X0C1EU		T&R With CAP
			G846AXX2X2XT3HR		T&R With CAP
			G846AXX2XXXT6HR		T&R With CAP
			G846AXX0X0C1EU		T&R With CAP
			G846AXX0X1XTEU		T&R With CAP
			G846AXX0X1XTHR		T&R With CAP
			G846AXX2X2T3HR		T&R With CAP
			G846AXX000C1EU		T&R With CAP

Orientation	Termination	Row	Part Numbers	Solder Tail Length	Package
Right Angle	SMT	Dual	G846AXX1X0XT4HR		T&R With CAP
			G846AXX1X0T1HR		T&R With CAP
			G846AXX1X0XT7HR		T&R With CAP
			G846A401X0T3HR		T&R With CAP
			G846AXX1X0XT4HR		T&R With CAP
			G846AXX1X0XT7HR		T&R With CAP
			G846AXX1X0T1HR		T&R With CAP
			G846AXX1X0T1HR		T&R With CAP

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Orientation	Termination	Row	Part Numbers	Solder Tail Length	Package
Right Angle	SMT	Single	G846AXX1X0XT2HR		T&R With CAP
			G846AXX10XY1EU		T&R With CAP
			G846AXX1X0XT6HR		T&R With CAP
			G846AXX1X0XSHR		T&R With CAP
			G846A1410XY2EU		T&R With CAP
			G846AXX1X0XT5HR		T&R With CAP
			G846AXX1X0XT6HR		T&R With CAP
			G846AXX1X0XT2HR		T&R With CAP
			G846AXX10XY1EU		T&R With CAP

PART NUMBERS

Part Numbers	Description	3D	2D
G846A041000C1HR	Wire-to-Board 1.0mm Pitch R/A SMT, 1X4Pin, Matte Tin, NY9T, Color-Natural, T&R, Halogen-free	G846A041000C1HR	G846AXX1X0XC1HR
G846A201201T7HR	Wire-to-Board 1.0mm Pitch, R/A SMT, 2x10Pin, 15µin Gold, NY4T, Latch Yype, Color-Black, Halogen-free	G846A201201T7HR	G846AXX2XXXT7HR
G846A081200T9HR	Wire-to-Board 1.0mm Pitch, R/A SMT, 1x2Pin, 15µinGold, NY9T, T&R, Latch Type, Color-Natural, Halogen-free	G846A081200T9HR	G846AXX1X0XT9HR
G842H041C1HR	G842 Series, 1.0mm Pitch, Cable Side Housing, Crimping Type, 1x4Pin, NY66, Color-White, Halogen-free	G842H041C1HR	G842HXXXC1HR
G842H081T8HR	G842H Series, Cable Side Housing, 1.0mm Pitch, 1x8Pin, NY66, Color-White, Halogen-free	G842H081T8HR	G842HXXXT8HR
G846A202101T1HR	Wire-to-Board 1.0mm Pitch, V/T SMT, 2x10PIN, G/F, NY4T, T&R W/CAP, W/LATCH, COLOR-BLACK, Halogen-free	G846A202101T1HR	G846AXX2X0XT1HR
G842AH202T6EU	G842 SERIES, Cable Side Housing, 1.0mm Pitch, Crimping Type, 2x10Pin, NY66, Color-White, Halogen-free	G842AH202T6EU	16/10/13-0.057

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