

# 1.2mm Pitch Wire-to-Board Connector

## RELIABLE, LOW PROFILE DESIGN FOR COMPACT APPLICATIONS

Amphenol's 1.2mm Wire-to-Board solution is designed for secure and tight space applications with a low profile and a polarized key slot. The retaining function between plug and receptacles provides durability up to 20 cycles.

- Mated height of 2.50mm
- Low profile for tight space applications
- Polarized key slot to prevent mismatching
- Retaining function between plug and receptacles for durability up to 20 cycle



### FEATURES

- Mated height of 2.50mm
- Polarized key slot
- Retaining function between plug and receptacles
- Gold Plating
- Available in UL94 V0
- RoHS compliant and Lead-free

### BENEFITS

- Ensures low profile for tight space applications
- Prevent mismatching
- Ensures reliable solution with durability up to 20 cycles
- Ensures reliable solution
- High flammability rating
- Meets environmental, health and safety requirements

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### TECHNICAL INFORMATION

#### MATERIAL

- Material (Plug):
  - Housing: High temperature thermoplastic, UL94V-0, Black, H/F
  - Terminal: Copper Alloy
- Finish (Plug): Over Au 0.1µm min. Under Ni 1.0µm min.
- Material (Receptacle)
  - Housing: High temperature thermoplastic, UL94V-0, Black, H/F
  - Terminal: Copper Alloy
  - Fixing Tab: Copper Alloy
- Finish (Receptacle): Over Au 0.1µm min Under Ni 1.0µm min.

#### ELECTRICAL PERFORMANCE

- Voltage Rating: 50VAC/VDC max.
- Current Rating: 0.5A per contact max. @ 28AWG wire
- Cable Gauge: 28AWG/30AWG

#### MECHANICAL PERFORMANCE

- Durability: 20 mating cycles

#### APPROVALS AND CERTIFICATIONS

- UL94 V-0 or VW-1

- EIA 364

#### SPECIFICATIONS

- GS-12-1189

#### PACKAGING

- Tape & Reel
- Terminals in reel

#### TARGET MARKETS/APPLICATIONS



Mobile Navigation (GPS)



Portable Gaming Device  
Tablet



Notebook



Solid State Lighting, Backlight

### PART NUMBERS

Description	Part Numbers
Receptacle	10125839-XXRAHLF
Plug, Housing	10125836-XX-001
Crimp Terminals	10125837-001GLF