

Off-the-Shelf (OTS) Pico-Spox 1.5 Tin (Sn) Discrete-Wire Cable Assemblies >

OTS Pico-Spox 1.5 Sn Discrete-Wire Cable Assemblies deliver up to 3.0A and a variety of circuit sizes to facilitate both prototyping and global preproduction



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FEATURES AND ADVANTAGES

Readily available tooling

Uses popular terminals to make it easy to access the crimp applicators, as they are widely available in the market

SMT-type plug header

Allows automatic assembly



Friction lock

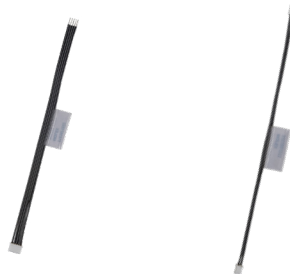
Provides better mating retention

Polarization keys

Prevent mismating during assembly

Vertical and right-angle single-row header with unique friction lock

Provides latch protection; helps secure terminal retention



1.50mm-pitch connector

Delivers secure mating retention without sacrificing compactness; 30% space savings compared to 2.00mm wire-to-board connector system

MARKETS AND APPLICATIONS

Consumer

Air conditioners
Desktop PCs
Drones
Gaming machines
Laser printers
Power connections
Vacuum cleaners
White goods

Industrial Automation

Automation equipment

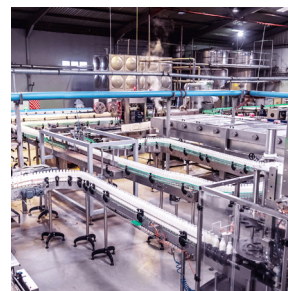
MedTech

Medical devices
Patient monitors

Note: Application recommendations are based on the connector specifications.



Drones



Factory Automation



Medical Equipment

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SPECIFICATIONS

Reference Information

Packaging: Bag
UL File No.: E29179*
CSA File No.: LR 19980*
Use With: 24 AWG
Insulation Diameter: 1.15 ± 0.08mm
Designed In: Millimeters
RoHS: Yes*
Halogen Free: Low-Halogen *
Glow Wire Capable: No*

Electrical

Voltage (max.): up to 250 VAC
Current (max.): 2.5A Max
Contact Resistance(max.): 20 milliohms*
Dielectric Withstanding Voltage: 500V AC (rms)
for 1 minute between adjacent terminal
or ground*
Insulation Resistance: 1000 Mega Ohms (min)*

Mechanical

Terminal Insertion Force: 9.8 N (max)*
Terminal Retention to Housing: 9.8N (min)*
Mating Force (max.): 25N for 2 circuit and 54N
for 8 circuit* (1st unmating)
Unmating Force (min.): 9.8 N for circuit and
15N for 8 circuit (1st unmating)*
Durability (max.): 10 Cycles*

Physical

Housing: Nylon*
Contact: Phosphor Bronze
Plating: Tin
Contact Area—Tin
Underplating—NA
Operating Temperature: -10 to +105°C

*The specification given is based on the connector used.

ORDERING INFORMATION

Series	Component	Type	Circuits	Length (mm)
218396 218397	Pico-Spox 1.5 Sn Discrete-Wire Cable Assemblies	Single Row	2, 3, 4, 5, 6 and 8	50, 100, 150, 300, 600

www.molex.com/link/otscableassemblies.html