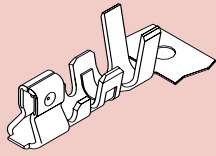
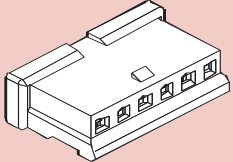
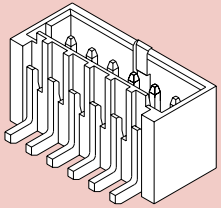
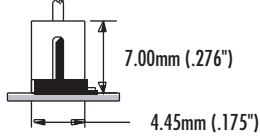
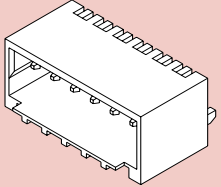
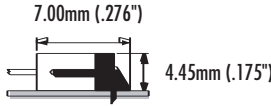




# 1.50mm (.059") Pitch Pico-SPOX™

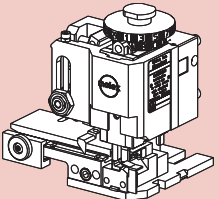


1.50mm (.059") Pitch  
Pico-SPOX™

	Description	Order No.	Circuits	Wire Range	Mated Dimensions	Materials (UL 94V-0)	Packaging
<b>Terminal</b>							
	Crimp Terminal	87421-0000	—	24 to 30 AWG	—	Tin-plated Phosphor Bronze	Reel
<b>Crimp Housing</b>							
	Friction Locking Receptacle Housing	87439-XX00	2-15	—	—	Glass-filled 6/6 Nylon	Bag
<b>Header</b>							
	Vertical SMT Header	87437-XX43	2-15	—		Glass-filled 4/6 Nylon	Embossed Tape
	Right Angle SMT Header	87438-XX43	2-15	—		Glass-filled 4/6 Nylon	Embossed Tape

Replace XX with number of circuits

## APPLICATION TOOLING

	Terminal	Insulation Diameter	Strip Length	Order No.		
				TM-2000 Applicator	TM-40/TM-42 Applicator	Hand Tool
	87421-0000	1.15mm (.045") max.	1.05 to 1.54mm (.041 to .061")	63862-7000	63852-7000	63811-0100

**FEATURES AND BENEFITS**



**1.50mm (.059") Pitch  
Pico-SPOX™**

- Dual-point contact design for greater reliability
- Anti-fishhooking contact design to improve handling during harness assembly
- Locking tang on contact for secure retention to the housing
- Friction lock between receptacle housing and headers insures secure retention when mounted
- Lead-in chamfer on receptacle to ease mating
- Embossed tape packaging standard with headers for high volume applications
- Headers fully shrouded to protect pins
- Polarized mating geometry insures header and receptacle cannot be mis-mated
- Lead-free plating

**SPECIFICATIONS**

**Reference Information**

Recommended Wire Style  
24 to 28 AWG: UL 1061  
30 AWG: UL 1571  
UL File No.: E29179  
CSA File No.: LR19980A  
RoHS Compliant

**Electrical**

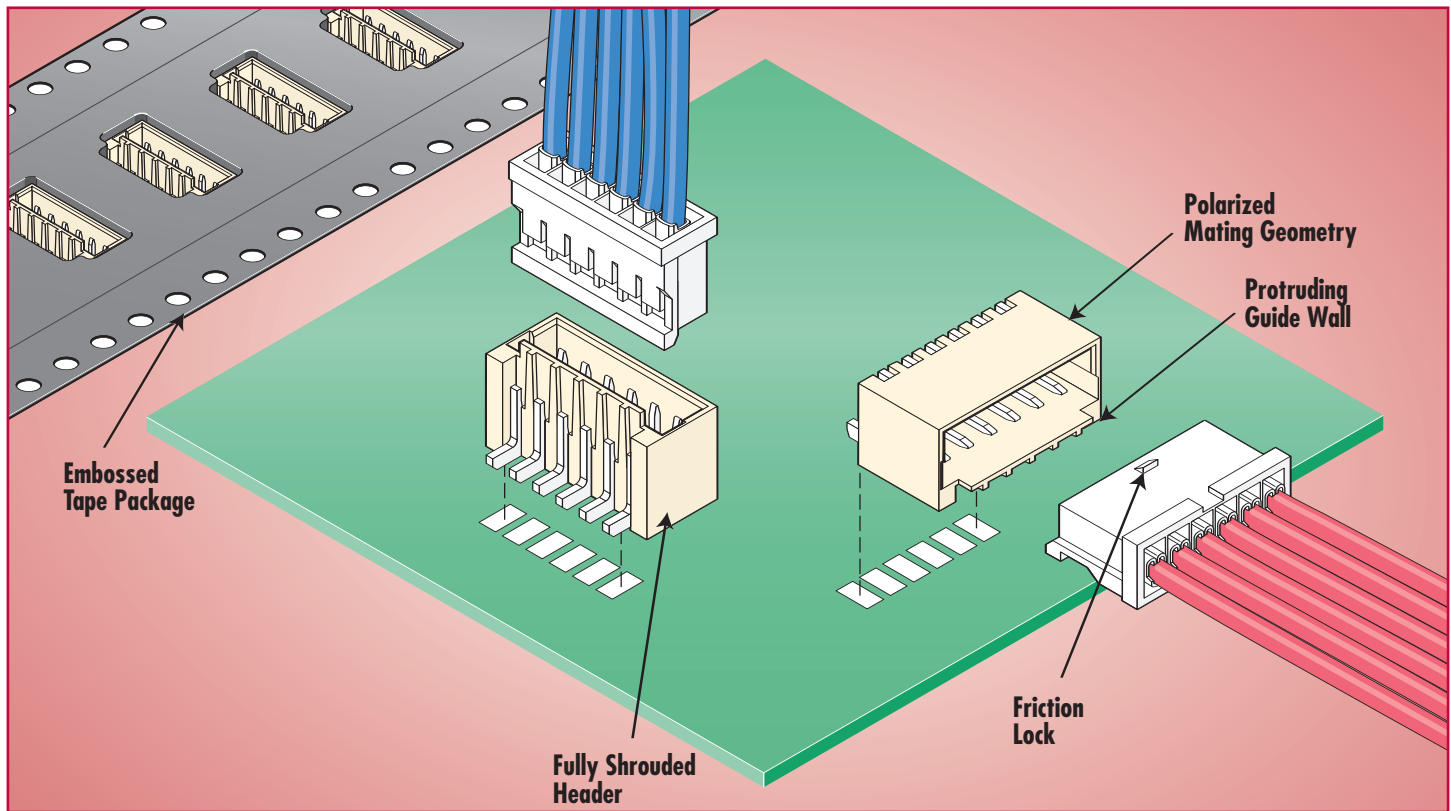
Current: 3.0A max.  
Voltage: 50V  
Contact Resistance: 40 milliohms max.  
Dielectric Withstanding Voltage: 500V AC per 1 minute  
Insulation Resistance: 1000 Megohms min.

**Physical**

Housing: White, Nylon, 6/6, UL 94V-0  
Header: Beige, Nylon 4/6, UL 94V-0  
Terminal: Phosphor Bronze  
Pin: Brass  
Plating: Lead-free Tin  
Operating Temperature: -55 to +105°C

**Mechanical**

Mating Force (10-circuit parts): 5.9N max.  
Unmating force (10-circuit parts): 1.5N min.  
Durability: 10 cycles



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