

Mini-SPOX 2.50mm Wire-to-Board Connector System

molex

Ideal for compact applications, the Mini-SPOX 2.50mm Wire-to-Board Connector System provides electrical and mechanical reliability in a high-temperature design that meets automotive, consumer and industrial industry requirements

Features and Advantages



Terminal lance

Fastened with terminal to provide improved terminal retention

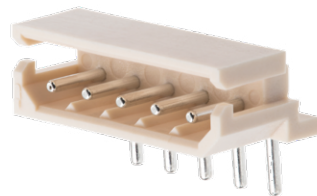
Uses popular crimp terminals

Easy to access the crimp applicators as they are widely available in the market



Friction lock

Provides better mating retention of housing and header



Through hole round terminals

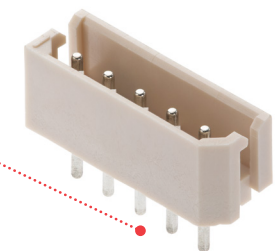
Supports terminal ruggedness and reliability

Polarizing features

Ensures mating in proper orientation

2.50mm-pitch connector

Provides space saving



2 to 15 circuits, single-row plug in vertical and horizontal configurations

Offers design flexibility

RoHS compliance and high-temperature capabilities

Withstands harsh environments



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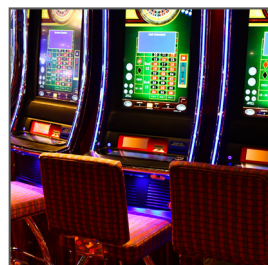
Applications

Industrial Automation

Automation equipment

Consumer

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



Gaming Machines



White Goods



Steering Wheel Switches

Automotive

Steering wheel, paddle shift, combination switches
Shifters
Head-, rear- and side-mirror lights
Internal connection with other units

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Specifications

REFERENCE INFORMATION

Packaging: Reel (Terminal)
Tray (Header Assembly)
Poly Bag (Receptacle Housing)
Mates With: Mini-SPOX Connectors
Use With: 5264
Terminal Used: 5263PBT
Designed In: Millimeters
RoHS: Yes
Low Halogen: No

ELECTRICAL

Voltage (max.): 250V
Current (max.): 3.0A (AWG#22)
Contact Resistance on Crimped Portion (max.):
5 milliohms
Dielectric Withstanding Voltage: 1000V AC (1
minute)
Insulation Resistance (min.): 1000 Megaohms

MECHANICAL

Crimp Terminal Insertion Force (max.): 14.7N
Crimp Terminal Retention Force (min.): 14.7N
Pin Retention Force (min.): 9.8N
Crimping Strength (min.): 39.2N (AWG#22)
Durability (max.): 30 Cycles

PHYSICAL

Housing:
Receptacle — PA66
Header — PA66
Contact: Phosphor Bronze
Plating (Receptacle):
Contact Area — Pre-Tin
Plating (Header): Brass
Contact Area — Tin
Operating Temperature: -40 to +105°C

Ordering Information

Series No.	Pitch (mm)	Component	Circuits	Rows	Color
5263	2.5	Female Receptacle Terminal	-	-	-
5264		Receptacle Housing	2 to 15	Single	Natural
5267		Vertical Header			
5268		Right-Angle Header			

www.molex.com/link/Mini-spox.html

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