



Part Number : [781710003](#)

Product Description : 1.20mm Pitch, Pico-EZmate PCB Header, Single Row, Gold Plating, Friction Lock, 3 Circuits, Tape and Reel

Series Number : 78171

Status : Active

Product Category : PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[Drawing 781710003\\_sd.pdf](#)

### 3D Models and Design Files

[2D Drawing DXF 781710003.dxf](#)

[2D Drawing DXF \(PDF\) 781710003.pdf](#)

[3D Model 781710003\\_stp.zip](#)

### Specifications

[Application Specification AS-78172-006-001.pdf](#)

[Packaging Specification SPK-78171-001-001.pdf](#)


[Product Specification 781720000-PS-000.pdf](#)

[Product Specification 781721000-PS-000.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

### [Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

### [Multiple Part Industry Compliance Documents](#)

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	78171
Description	1.20mm Pitch, Pico-EZmate PCB Header, Single Row, Gold Plating, Friction Lock, 3 Circuits, Tape and Reel
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Family	Pico-EZmate and Pico-EZmate Plus Wire-to-Board Connector Systems
Product Name	Pico-EZmate
UPC	800756654645

### Agency

UL	E29179
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### Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	50V AC/DC

### Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Black
Durability (mating cycles max)	10
First Mate / Last Break	No

Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height	1.55mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	26.700/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	1.20mm
Pitch - Termination Interface	1.20mm
Plating min - Mating	0.100µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Pico-EZmate Receptacle Housings and Terminals	<u>78172</u>

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