



Cable-to-Board Vertical 1 Position Board Mount I Code  
Signal -40 – 105 °C (-40 – 221 °F) FAKRA Data  
Connectivity Headers

Part Number:

**TE-5-2203452-9**

### Basic Information

|                          |                                   |
|--------------------------|-----------------------------------|
| Number of Positions      | 1.0                               |
| Series                   | FAKRA                             |
| Tcpn                     | 5-2203452-9                       |
| Product Description      | MALE ASM, 1 POS, VERT, PCB, KEY I |
| Mixed & Hybrid Connector | No                                |
| Connector System         | Cable-to-Board                    |
| Number of Rows           | 1.0                               |
| PCB Mount Orientation    | Vertical                          |
| Keying Code              | I                                 |
| Contact Type             | Pin                               |
| Center Contact           | With                              |
| Connector Mounting Type  | Board Mount                       |

### Mechanical Specification

|                     |                     |
|---------------------|---------------------|
| Mating Pin Diameter | .5 mm ( .02 in )    |
| Connector Height    | 11.45 mm ( .45 in ) |
| Product Length      | 13.8 mm ( .543 in ) |
| Product Width       | 7.5 mm ( .295 in )  |

### Material Specification

|                                  |                 |
|----------------------------------|-----------------|
| Contact Mating Plating           | Gold (Au)       |
| Connector Center Contact Plating | Gold (Au)       |
| Housing Color                    | Beige           |
| Body Material                    | Nylon GF   Zinc |
| Outer Contact Plating            | Tin (Sn)        |
| PCB Retention Plating            | Tin             |

### Electrical Specification

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector & Contact Terminates To | Printed Circuit Board |
| Contact Current Rating (Max) (A)  | 1.0                   |
| Termination Method to PCB         | Through Hole - Solder |
| Mating Retention                  | With                  |
| PCB Mount Retention               | Without               |
| Impedance ( $\Omega$ )            | 50.0                  |
| Operating Voltage (VAC)           | 800.0                 |

### Environmental Specification

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| Sealable                         | No                                      |
| Operating Temperature Range      | -40 – 105 °C ( -40 – 221 °F )           |
| Operating Temperature (Max) (°C) | 65   70   75   80   85   90   100   105 |
| Operating Temperature (Max) (°F) | 221                                     |

### Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.