

# PSTD 0,65X0,65/18-3IS-2,54 - Pin strip



2202993

<https://www.phoenixcontact.com/pc/products/2202993>

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Pin strip for connecting an additional PCB or PCB with hole pattern to the HBUS

## Your advantages

- Suitable for wave and reflow soldering processes

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2202993       |
| Packing unit                         | 60 pc         |
| Minimum order quantity               | 1 pc          |
| Product key                          | ACHBAE        |
| GTIN                                 | 4055626292601 |
| Weight per piece (including packing) | 3.14 g        |
| Weight per piece (excluding packing) | 1.8 g         |
| Customs tariff number                | 85366990      |
| Country of origin                    | TW            |

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## Technical data

### Product properties

|                       |                      |
|-----------------------|----------------------|
| Product type          | Pin strip            |
| Product family        | PSTD 0,65X0,65/...-V |
| Type                  | Pin strip            |
| Number of positions   | 18                   |
| Pitch                 | 2.54 mm              |
| Number of connections | 18                   |
| Number of rows        | 2                    |
| Number of potentials  | 18                   |
| Pin layout            | Linear pinning       |

### Electrical properties

|                     |         |
|---------------------|---------|
| Degree of pollution | 3       |
| Contact resistance  | 35.7 mΩ |

### Mounting

|               |                |
|---------------|----------------|
| Mounting type | THR soldering  |
| Pin layout    | Linear pinning |

### Material specifications

#### Material data - housing

|                                        |              |
|----------------------------------------|--------------|
| Color (Housing)                        | black (9005) |
| Insulating material                    | PA           |
| Flammability rating according to UL 94 | V0           |

### Dimensions

|                |                  |
|----------------|------------------|
| Pitch          | 2.54 mm          |
| Width [w]      | 22.86 mm         |
| Height [h]     | 37.8 mm          |
| Length [l]     | 5 mm             |
| Pin dimensions | 0.635 x 0.635 mm |

### Mechanical tests

#### Visual inspection

|               |                       |
|---------------|-----------------------|
| Specification | IEC 60512-1-1:2002-02 |
| Result        | Test passed           |

#### Dimension check

|               |                       |
|---------------|-----------------------|
| Specification | IEC 60512-1-2:2002-02 |
| Result        | Test passed           |

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## Environmental and real-life conditions

### Vibration test

|                        |                             |
|------------------------|-----------------------------|
| Specification          | IEC 60068-2-6:2007-12       |
| Frequency              | 10 - 150 - 10 Hz            |
| Sweep speed            | 1 octave/min                |
| Amplitude              | 0.15 mm (10 Hz ... 58.1 Hz) |
| Sweep speed            | 20 m/s <sup>2</sup>         |
| Test duration per axis | 2.5 h                       |

### Durability test

|                                        |                       |
|----------------------------------------|-----------------------|
| Specification                          | IEC 60512-9-1:2010-03 |
| Impulse withstand voltage at sea level | 1.75 kV               |
| Contact resistance R <sub>1</sub>      | 35.7 mΩ               |
| Contact resistance R <sub>2</sub>      | 35.7 mΩ               |
| Insertion/withdrawal cycles            | 25                    |

### Climatic test

|                                   |                                                                           |
|-----------------------------------|---------------------------------------------------------------------------|
| Specification                     | DIN 50018:2013-05                                                         |
| Corrosive stress                  | 0.2 dm <sup>3</sup> SO <sub>2</sub> on 300 dm <sup>3</sup> /40 °C/1 cycle |
| Thermal stress                    | 100 °C/168 h                                                              |
| Power-frequency withstand voltage | 0.84 kV                                                                   |

### Shocks

|                 |                                   |
|-----------------|-----------------------------------|
| Specification   | IEC 60068-2-27:2008-02            |
| Pulse shape     | Semi-sinusoidal                   |
| Acceleration    | 150 m/s <sup>2</sup>              |
| Shock duration  | 11 ms                             |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27460201 |
| ECLASS-12.0 | 27460201 |
| ECLASS-13.0 | 27460201 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002637 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |

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