# Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

**PHŒNIX CONTACT**

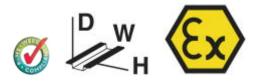# Motherboard - PI-EX-MB-S/16-01-2/D-SUB - 2865214

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Ex-i motherboard for accommodating 16 x PI-Ex supply, input or output signal conditioner modules. With interface for connecting to HART multiplexer and D-SUB pin strip for connecting the analog signals to the control system level.

## Key commercial data

| | |
|---|---|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 953.8 GRM |
| Custom tariff number | 85389091 |
| Country of origin | Germany |

## Technical data

### Note

| | |
|---|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |

### Dimensions

| | |
|---|---|
| Width | 247.7 mm |
| Height | 127.5 mm |
| Depth | 92 mm |

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 75 °C |

### General

| | |
|---|---|
| Nom. voltage | 20 V DC ... 35 V DC (See nominal voltage, PI modules) |
| Housing insulation material | Polyamide PA non-reinforced, polycarbonate PC, PVC |
| Inflammability class according to UL 94 | V2 |

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## Technical data

### General

| Color | green |
|---|---|
| Conformance | CE-compliant |
| ATEX | # II (1) GD [EEx ia] IIC |

### Connection data

| Connection 1 | To the control system level |
|---|---|
| Connection method | D-SUB pin strip |
| Conductor cross section stranded min. | 0.2 mm² |
| Conductor cross section stranded max. | 2.5 mm² |
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 4 mm² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| Screw thread | M3 |
| Stripping length | 8 mm |
| Number of connections | 1 |
| Number of positions | 37 |
| Connection 2 | To the field level |
| Connection method | Screw connection |
| Conductor cross section stranded min. | 0.2 mm² |
| Conductor cross section stranded max. | 2.5 mm² |
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 4 mm² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| Screw thread | M3 |
| Stripping length | 8 mm |
| Number of connections | 16 |
| Number of positions | 2 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

## Classifications

### eCl@ss

| eCl@ss 4.0 | 27141127 |
|---|---|
| eCl@ss 4.1 | 27141127 |
| eCl@ss 5.0 | 27371603 |

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### eCl@ss

| eCl@ss 5.1 | 27371603 |
|---|---|
| eCl@ss 6.0 | 27371603 |
| eCl@ss 7.0 | 27371603 |
| eCl@ss 8.0 | 27371603 |

### ETIM

| ETIM 2.0 | EC000764 |
|---|---|
| ETIM 3.0 | EC001456 |
| ETIM 4.0 | EC001456 |
| ETIM 5.0 | EC001456 |

### UNSPSC

| UNSPSC 6.01 | 30211811 |
|---|---|
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

## Drawings

Dimensioned drawing

# Motherboard - PI-EX-MB-S/16-01-2/D-SUB - 2865214

## Dimensioned drawing

247,7