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### What is "[Embedded - Microcontrollers](#)"?

"[Embedded - Microcontrollers](#)" refer to small, integrated circuits designed to perform specific tasks within larger systems. These microcontrollers are essentially compact computers on a single chip, containing a processor core, memory, and programmable input/output peripherals. They are called "embedded" because they are embedded within electronic devices to control various functions, rather than serving as standalone computers. Microcontrollers are crucial in modern electronics, providing the intelligence and control needed for a wide range of applications.

### Applications of "[Embedded - Microcontrollers](#)"

#### Details

|                            |                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Status             | Not For New Designs                                                                                                                                             |
| Core Processor             | ARM® Cortex®-M3                                                                                                                                                 |
| Core Size                  | 32-Bit Single-Core                                                                                                                                              |
| Speed                      | 50MHz                                                                                                                                                           |
| Connectivity               | I <sup>2</sup> C, IrDA, Microwire, SPI, SSI, UART/USART                                                                                                         |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                           |
| Number of I/O              | 52                                                                                                                                                              |
| Program Memory Size        | 256KB (256K x 8)                                                                                                                                                |
| Program Memory Type        | FLASH                                                                                                                                                           |
| EEPROM Size                | -                                                                                                                                                               |
| RAM Size                   | 64K x 8                                                                                                                                                         |
| Voltage - Supply (Vcc/Vdd) | 2.25V ~ 2.75V                                                                                                                                                   |
| Data Converters            | A/D 8x10b                                                                                                                                                       |
| Oscillator Type            | Internal                                                                                                                                                        |
| Operating Temperature      | -40°C ~ 85°C (TA)                                                                                                                                               |
| Mounting Type              | Surface Mount                                                                                                                                                   |
| Package / Case             | 100-LQFP                                                                                                                                                        |
| Supplier Device Package    | 100-LQFP (14x14)                                                                                                                                                |
| Purchase URL               | <a href="https://www.e-xfl.com/product-detail/texas-instruments/lm3s1958-iqc50-a2">https://www.e-xfl.com/product-detail/texas-instruments/lm3s1958-iqc50-a2</a> |

## HC-B 24-TFQ-76/M1PG21S

Order No.: 1771765

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1771765>

Sleeve housing, for double locking latch, height 76 mm, with screw connection, 1x Pg21, lateral cable entry

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918036485      |
| Pack                     | 10 pcs.            |
| Customs tariff           | 85389099           |
| Weight/Piece             | 0.38769 KG         |
| Catalog page information | Page 498 (PC-2009) |

### Product notes

WEEE/RoHS-compliant since:  
10/31/2006



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### General data

|        |                                                 |
|--------|-------------------------------------------------|
| Note   | For contact inserts HC-B24, BB46, D64, DD108, M |
| Design | B24                                             |
| Height | 76 mm                                           |
| Width  | 43 mm                                           |
| Length | 120 mm                                          |

|                                 |                          |
|---------------------------------|--------------------------|
| Housing type                    | Sleeve housings          |
| Locking type                    | For double locking latch |
| Type of the screw connection    | 1x Pg21                  |
| Pg screw connection             | With                     |
| Wrench size, union nut          | 28 mm                    |
| Cable exit                      | Lateral                  |
| External cable diameter         | 10 mm ... 19 mm          |
| Degree of protection            | IP65                     |
| Ambient temperature (operation) | -40 °C ... 125 °C        |
| Housing material                | Aluminum, die-cast       |
| Housing surface material        | Powder-coated, gray      |
| Cable gland material            | Nickel-plated brass      |
| Cable seal material             | NBR                      |

#### Certificates / Approvals

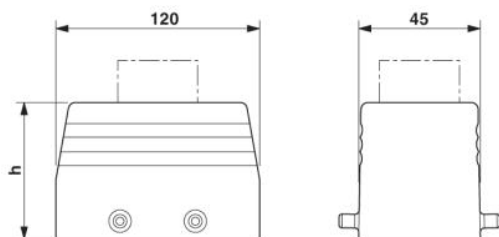


Certification

GOST

#### Diagrams/Drawings

Dimensioned drawing



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