

## har-bus HM Mel., Typ B19, AFS 2, Tube

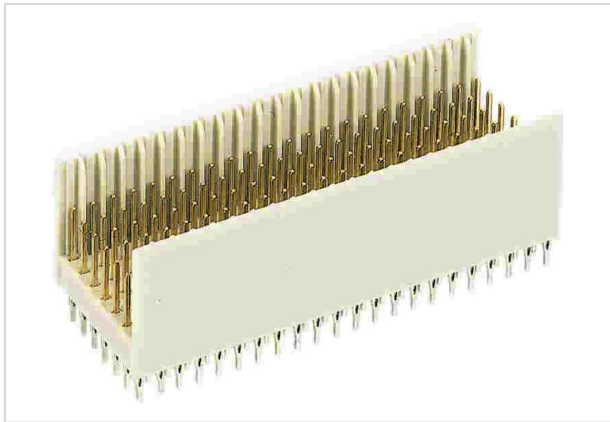


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 17 05 133 2004                                                                |
| Specification      | har-bus HM Mel., Typ B19, AFS 2, Tube                                         |
| HARTING eCatalogue | <a href="https://harting.com/17051332004">https://harting.com/17051332004</a> |

### Identification

|                            |                         |
|----------------------------|-------------------------|
| Category                   | Connectors              |
| Series                     | har-bus <sup>®</sup> HM |
| Identification             | Type AB19               |
| Element                    | Male connector          |
| Description of the contact | Straight                |

### Version

|                       |                             |
|-----------------------|-----------------------------|
| Termination method    | Press-in termination        |
| Connection type       | Motherboard to daughtercard |
| Number of contacts    | 133                         |
| Contact configuration | CT / P / P / P / P / P / CT |
| Pack contents         | Tube                        |

### Technical characteristics

|                                    |                    |
|------------------------------------|--------------------|
| Contact rows                       | 7                  |
| Contact spacing (termination side) | 2 mm               |
| Contact spacing (mating side)      | 2 mm               |
| Rated current                      | 1 A                |
| Data rate                          | ≤2,500 Mbit/s      |
| Insulation resistance              | >10 <sup>9</sup> Ω |
| Contact resistance                 | ≤20 mΩ             |
| Limiting temperature               | -55 ... +125 °C    |
| Insertion force                    | ≤99.75 N           |



**Pushing Performance**  
Since 1945

## Technical characteristics

|                           |                               |
|---------------------------|-------------------------------|
| Withdrawal force          | ≥19.95 N                      |
| Performance level         | 2                             |
| Test voltage $U_{r.m.s.}$ | 0.75 kV                       |
| Isolation group           | IIIa ( $175 \leq CTI < 400$ ) |
| PCB thickness             | ≥1.4 mm                       |

## Material properties

|                                           |                                                        |
|-------------------------------------------|--------------------------------------------------------|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled                |
| Colour (insert)                           | Beige                                                  |
| Material (contacts)                       | Copper alloy                                           |
| Surface (contacts)                        | Noble metal over Ni Mating side<br>Ni Termination side |
| Material flammability class acc. to UL 94 | V-0                                                    |
| RoHS                                      | compliant                                              |
| ELV status                                | compliant                                              |
| China RoHS                                | e                                                      |
| REACH Annex XVII substances               | Not contained                                          |
| REACH ANNEX XIV substances                | Not contained                                          |
| REACH SVHC substances                     | Not contained                                          |
| California Proposition 65 substances      | Yes                                                    |
| California Proposition 65 substances      | Nickel                                                 |

## Specifications and approvals

|          |                                                            |
|----------|------------------------------------------------------------|
| UL / CSA | UL 1977 ECBT2.E102079<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |
|----------|------------------------------------------------------------|

## Commercial data

|                                |                                          |
|--------------------------------|------------------------------------------|
| Packaging size                 | 13                                       |
| Net weight                     | 13.33 g                                  |
| Country of origin              | Germany                                  |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140198272                            |
| eCl@ss                         | 27460201 PCB connector (board connector) |
| ETIM                           | EC002637                                 |



**Pushing Performance**  
Since 1945

## Commercial data

UNSPSC 24.0

39121415

---