

## har-flex Power M str 5P THR PL1 Sample

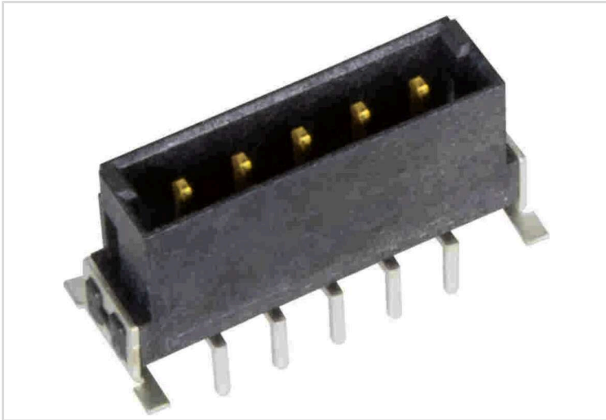


Image is for illustration purposes only. Please refer to product description.

|                    |   |
|--------------------|---|
| Part number        | 15 52 005 2701 333  |
| Specification      | har-flex Power M str 5P THR PL1 Sample  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/15520052701333">https://b2b.harting.com/15520052701333</a> |

### Version

|                    |   |
|--------------------|---|
| Termination method | Reflow soldering termination (THR)  |
| Connection type    | Motherboard to daughtercard<br>Mezzanine  |
| Number of contacts | 5   |
| Details            | According to IEC 61984, it is an unencapsulated connector. Protection against electric shock must be ensured by the type of installation by the user. |
| Pack contents      | Sample  |

### Technical characteristics

|                                    |                                    |
|------------------------------------|------------------------------------|
| Contact spacing (termination side) | 2.54 mm                            |
| Contact spacing (mating side)      | 2.54 mm                            |
| Stacking height                    | 3.25 mm                            |
| Rated current                      | 20 A                               |
| Rated voltage                      | 180 V                              |
| Rated voltage                      | acc. to IEC 60664-1                |
| Rated impulse voltage              | 1.5 kV                             |
| Pollution degree                   | 2                                  |
| Clearance distance                 | ≥0.94 mm                           |
| Creepage distance                  | ≥0.94 mm PCB<br>≥1.89 mm Connector |
| Insulation resistance              | >10 <sup>10</sup> Ω                |
| Contact resistance                 | ≤25 mΩ                             |
| Limiting temperature               | -55 ... +125 °C                    |
| Performance level                  | 1                                  |



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## Technical characteristics

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Mating cycles                    | ≥500                                |
| Test voltage $U_{r.m.s.}$        | 0.84 kV                             |
| Isolation group                  | IIIa ( $175 \leq CTI < 400$ )       |
| Moisture Sensitivity Level (MSL) | 1 acc. to ECA/IPC/JEDEC J-STD-020D  |
| Process Sensitivity Level (PSL)  | R0 acc. to ECA/IPC/JEDEC J-STD-020D |
| Coplanarity of contacts          | 0.1 mm                              |

## Material properties

|   |  |
|---|--|
| Material (insert)                         | Liquid crystal polymer (LCP)                                   |
| Colour (insert)                           | Black  |
| Material (contacts)                       | Copper alloy   |
| Surface (contacts)                        | Noble metal over Ni Mating side<br>Sn over 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      | Not contained  |

## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 1  |
| Country of origin              | China                                    |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140204072                            |
| eCl@ss                         | 27460201 PCB connector (board connector) |