



Pushing Performance  
Since 1945

# har-flex Hybrid M ang 6+26 THR PL1Sample

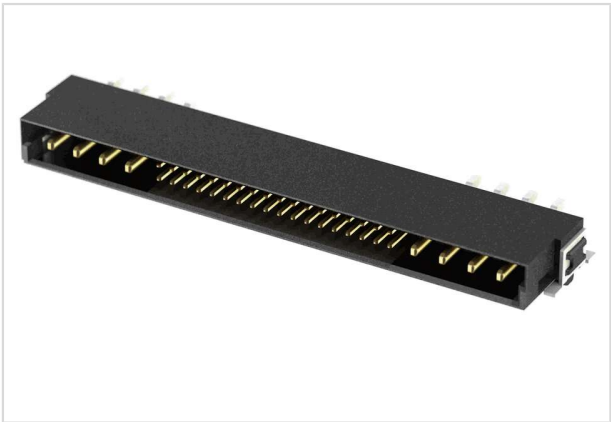


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 15 75 626 2701 333                                                                  |
| Specification      | har-flex Hybrid M ang 6+26 THR<br>PL1Sample                                         |
| HARTING eCatalogue | <a href="https://harting.com/15756262701333">https://harting.com/15756262701333</a> |

## Identification

|                            |                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------|
| Category                   | Connectors                                                                                                |
| Series                     | har-flex®                                                                                                 |
| Identification             | Hybrid                                                                                                    |
| Element                    | Male connector                                                                                            |
| Description of the contact | Angled                                                                                                    |
| Features                   | Termination method of power contacts: THR<br>The sample packaging is not suitable for automated assembly. |

## Version

|                           |                                              |
|---------------------------|----------------------------------------------|
| Termination method        | Reflow soldering termination (SMT)           |
| Connection type           | Motherboard to daughtercard<br>Extender card |
| Number of contacts        | 32                                           |
| Number of signal contacts | 26                                           |
| Number of power contacts  | 6                                            |
| Pack contents             | Sample                                       |

## Technical characteristics

|                                    |                     |
|------------------------------------|---------------------|
| Contact spacing (termination side) | 1.27 mm<br>2.54 mm  |
| Contact spacing (mating side)      | 1.27 mm<br>2.54 mm  |
| Rated voltage                      | 50 V AC<br>120 V DC |
| Rated voltage                      | acc. to IEC 60664-1 |



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## Technical characteristics

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Rated impulse voltage            | 1.5 kV                                       |
| Pollution degree                 | 2                                            |
| Clearance distance               | ≥0.4 mm Signal contacts                      |
|                                  | ≥0.94 mm Power contacts                      |
|                                  | ≥0.7 mm Signal to power contacts             |
| Creepage distance                | ≥0.4 mm PCB: Signal contacts                 |
|                                  | ≥0.94 mm PCB: Power contacts                 |
|                                  | ≥0.7 mm PCB: Signal to power contacts        |
|                                  | ≥0.4 mm Connector: Signal contacts           |
|                                  | ≥1.89 mm Connector: Power contacts           |
|                                  | ≥1.99 mm Connector: Signal to power contacts |
| Insulation resistance            | >10 <sup>10</sup> Ω                          |
| Contact resistance               | ≤25 mΩ                                       |
| Limiting temperature             | -55 ... +125 °C                              |
| Performance level                | 1                                            |
| Mating cycles                    | ≥500                                         |
| Test voltage U <sub>r.m.s.</sub> | 0.5 kV Signal                                |
|                                  | 0.84 kV Signal / Power                       |
|                                  | 0.84 kV Power / Power                        |
| Isolation group                  | IIIa (175 ≤ 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          | 0.12 mm                                      |

## Material properties

|                                           |                                 |
|-------------------------------------------|---------------------------------|
| Material (insert)                         | Liquid crystal polymer (LCP)    |
| Colour (insert)                           | Black                           |
| Material (contacts)                       | Copper alloy                    |
| Surface (contacts)                        | Noble metal over Ni Mating side |
|                                           | 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                   |



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Material properties

California Proposition 65 substances      Not contained

Specifications and approvals

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

Commercial data

|                                |                                          |
|--------------------------------|------------------------------------------|
| Packaging size                 | 1                                        |
| Net weight                     | 21 g                                     |
| Country of origin              | China                                    |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140205024                            |
| eCl@ss                         | 27460201 PCB connector (board connector) |
| ETIM                           | EC002637                                 |
| UNSPSC 24.0                    | 39121415                                 |