

## har-flex HD-Card Edge 100 w/o hold PL1



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

|                    |   |
|--------------------|---|
| Part number        | 15 04 100 2001 000  |
| Specification      | har-flex HD-Card Edge 100 w/o hold PL1  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/15041002001000">https://b2b.harting.com/15041002001000</a> |

### Identification

|                |              |
|----------------|--------------|
| Category       | Connectors   |
| Series         | har-flex®    |
| Identification | HD-Card Edge |
| Element        | Connector    |

### Version

|                    |  |
|--------------------|--|
| Termination method | Reflow soldering termination (SMT)       |
| Connection type    | Motherboard to daughtercard<br>Mezzanine |
| Number of contacts | 100                                      |
| Performance level  | 1  |
| Pack contents      | 200 pieces on reel                       |

### Technical characteristics

|                                    |   |
|------------------------------------|---|
| Contact rows                       | 2   |
| Contact spacing (termination side) | 0.8 mm  |
| Clearance distance                 | ≥0.2 mm Backplane<br>≥0.53 mm Connector<br>≥0.1 mm Daughtercard |
| Creepage distance                  | ≥0.2 mm Backplane<br>≥0.53 mm Connector<br>≥0.1 mm Daughtercard |
| Limiting temperature               | -55 ... +125 °C   |
| Insertion force                    | ≤70 N   |
| Withdrawal force                   | ≥20 N   |

## Technical characteristics

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Mating cycles                    | ≥200                                |
| Data rate                        | 25 Gbit/s                           |
| 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          | ≤0.13 mm                            |

## Material properties

|   |  |
|---|--|
| Material (insert)                         | Liquid crystal polymer (LCP)                             |
| Colour (insert)                           | Black  |
| Material (contacts)                       | Copper alloy   |
| Surface (contacts)                        | Au over Pd/Ni Mating side<br>Tin plated Termination side |
| Material flammability class acc. to UL 94 | V-0  |

## Commercial data

|                   |  |
|-------------------|--|
| Packaging size    | 1  |
| Net weight        | 0.001 kg                                 |
| Country of origin | China                                    |
| eCl@ss            | 27460201 PCB connector (board connector) |