

# 37p STR FE PL2\_pin\_4-40 nut\_Reel\_140 pcs



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

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 09 55 455 6612 741                                                                  |
| Specification      | 37p STR FE PL2_pin_4-40 nut_Reel_140 pcs                                            |
| HARTING eCatalogue | <a href="https://harting.com/09554556612741">https://harting.com/09554556612741</a> |

## Identification

|                            |                     |
|----------------------------|---------------------|
| Category                   | Connectors          |
| Series                     | D-Sub               |
| Identification             | Standard            |
| Element                    | Connector           |
| Description of the contact | Stamped<br>Straight |

## Version

|                    |                                          |
|--------------------|------------------------------------------|
| Termination method | Reflow soldering termination (SMT)       |
| Gender             | Female                                   |
| Size               | D-Sub 4                                  |
| Connection type    | Motherboard to daughtercard<br>Mezzanine |
| Number of contacts | 37                                       |
| PCB fixing         | With board locks                         |
| Locking type       | Fixing flange with thread 4-40 UNC       |
| Pack contents      | 140 pieces on reel                       |

## Technical characteristics

|                                    |                         |
|------------------------------------|-------------------------|
| Contact spacing (termination side) | 2.76 mm                 |
| Rated current                      | 5 A                     |
| Clearance distance                 | ≥1 mm                   |
| Creepage distance                  | ≥1 mm                   |
| Insulation resistance              | > 5 x 10 <sup>9</sup> Ω |



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## Technical characteristics

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| Contact resistance               | ≤25 mΩ                                                          |
| Tightening torque                | ≤0.6 Nm Female screw lock                                       |
| Limiting temperature             | -55 ... +125 °C (during reflow soldering max. +240 °C for 30 s) |
| Insertion force                  | ≤123 N                                                          |
| Withdrawal force                 | ≥11 N<br>≤82 N                                                  |
| Performance level                | 2<br>acc. to CECC 75301-802                                     |
| Mating cycles                    | ≥250                                                            |
| Test voltage U <sub>r.m.s.</sub> | 1 kV                                                            |
| Isolation group                  | IIIa (175 ≤ CTI < 400)                                          |
| PCB thickness                    | ≥1.6 mm                                                         |
| Installation height              | 6.35 mm                                                         |
| Hot plugging                     | No                                                              |
| 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                             |

## Material properties

|                                           |                                                             |
|-------------------------------------------|-------------------------------------------------------------|
| Material (insert)                         | Liquid crystal polymer (LCP)<br>Shell: steel, nickel plated |
| Colour (insert)                           | Black                                                       |
| Material (contacts)                       | Copper alloy                                                |
| Surface (contacts)                        | Noble metal over Ni                                         |
| 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                                               |

## Specifications and approvals

|                |           |
|----------------|-----------|
| Specifications | DIN 41652 |
|----------------|-----------|



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Specifications and approvals

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

Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 1                      |
| Net weight                     | 1,950 g                |
| Country of origin              | Vietnam                |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140070684          |
| eCl@ss                         | 27440214 D-Sub coupler |
| ETIM                           | EC001136               |
| UNSPSC 24.0                    | 39121469               |