

# 37p STR FE PL3\_pin\_4-40 nut\_Reel\_140 pcs



| •                  |  |
|--------------------|--|
| Part number        | 09 55 455 7612 741                       |
| Specification      | 37p STR FE PL3_pin_4-40 nut_Reel_140 pcs |
| HARTING eCatalogue | https://b2b.harting.com/09554557612741   |

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

#### 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 |

Page 1 / 3 | Creation date 2023-02-24 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Stiftung & Co. KG | Marienwerderstr. 3 | 32339 Espelkamp | Germany



#### 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                | 3   |
| Mating cycles                    | ≥50   |
| Test voltage U <sub>r.m.s.</sub> | 1 kV  |
| Isolation group                  | Illa (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

Page 2 / 3 | Creation date 2023-02-24 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Stiftung & Co. KG | Marienwerderstr. 3 | 32339 Espelkamp | Germany

Product data sheet 09 55 455 7612 741 37p STR FE PL3\_pin\_4-40 nut\_Reel\_140 pcs



### Specifications and approvals

| UL / CSA                       | UL 1977 ECBT2.E102079<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |
|--------------------------------|--|
| Commercial data                |  |
| Packaging size                 | 1  |
| Net weight                     | 1,950 g  |
| Country of origin              | China  |
| European customs tariff number | 85366990   |
| GTIN                           | 5713140070721  |
| eCl@ss                         | 27440214 D-Sub coupler                                     |

Page 3 / 3 | Creation date 2023-02-24 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Stiftung & Co. KG | Marienwerderstr. 3 | 32339 Espelkamp | Germany