



Pushing Performance  
Since 1945

# D-Sub 37-pole MinD ANG female BL nut M3

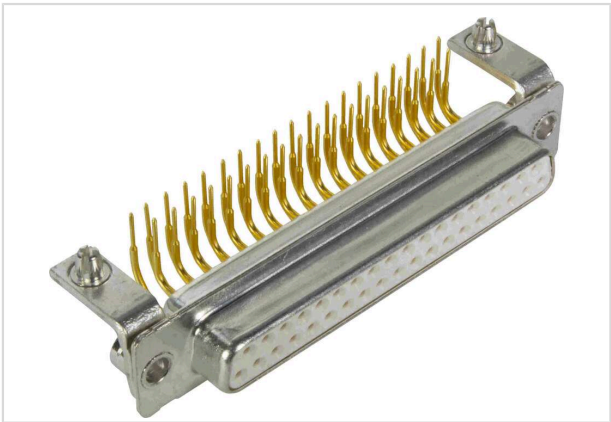


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 67 452 6801                                                                |
| Specification      | D-Sub 37-pole MinD ANG female BL nut M3                                       |
| HARTING eCatalogue | <a href="https://harting.com/09674526801">https://harting.com/09674526801</a> |

## Identification

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

## Version

|                    |                              |
|--------------------|------------------------------|
| Termination method | Wave soldering termination   |
| Gender             | Female                       |
| Size               | D-Sub 4                      |
| Connection type    | Motherboard to daughtercard  |
| Number of contacts | 37                           |
| Termination length | 3.8 mm                       |
| PCB fixing         | With board locks             |
| Locking type       | Fixing flange with thread M3 |

## Technical characteristics

|                                    |         |
|------------------------------------|---------|
| Distance between rows              | 2.54 mm |
| Contact spacing (termination side) | 2.77 mm |
| Flange height                      | 7.3 mm  |
| Rated current                      | 7.5 A   |
| Clearance distance                 | ≥1 mm   |



**Pushing Performance**  
Since 1945

## Technical characteristics

|                                  |                             |
|----------------------------------|-----------------------------|
| Creepage distance                | ≥1 mm                       |
| Insulation resistance            | >10 <sup>10</sup> Ω         |
| Contact resistance               | ≤10 mΩ                      |
| Tightening torque                | ≤0.6 Nm Female screw lock   |
| Limiting temperature             | -55 ... +125 °C             |
| 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              | 7.3 mm                      |
| Hot plugging                     | No                          |

## Material properties

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled (PBTP)<br>Shell: steel, tin plated                                                                                                                                                                                                                                                                                                                      |
| Colour (insert)                           | White                                                                                                                                                                                                                                                                                                                                                                                           |
| 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 with exemption                                                                                                                                                                                                                                                                                                                                                                        |
| RoHS exemptions                           | 6(a) / 6(a)-I: Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight / Lead as an alloying element in steel for machining purposes containing up to 0,35 % lead by weight and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight<br>6(c): Copper alloy containing up to 4 % lead by weight |
| ELV status                                | compliant with exemption                                                                                                                                                                                                                                                                                                                                                                        |
| China RoHS                                | 50                                                                                                                                                                                                                                                                                                                                                                                              |
| REACH Annex XVII substances               | Not contained                                                                                                                                                                                                                                                                                                                                                                                   |
| REACH ANNEX XIV substances                | Not contained                                                                                                                                                                                                                                                                                                                                                                                   |
| REACH SVHC substances                     | Yes                                                                                                                                                                                                                                                                                                                                                                                             |



**Pushing Performance**  
Since 1945

## Material properties

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| REACH SVHC substances                | Lead                                 |
| ECHA SCIP number                     | ecef7555-f643-4ceb-a337-fc54762297f1 |
| California Proposition 65 substances | Yes                                  |
| California Proposition 65 substances | Lead<br>Nickel                       |

## Specifications and approvals

|                |                       |
|----------------|-----------------------|
| Specifications | DIN 41652             |
| UL / CSA       | UL 1977 ECBT2.E102079 |

## Commercial data

|                                |                        |
|--------------------------------|------------------------|
| Packaging size                 | 25                     |
| Net weight                     | 27.254 g               |
| Country of origin              | Germany                |
| European customs tariff number | 85366990               |
| GTIN                           | 5713140221017          |
| eCl@ss                         | 27440214 D-Sub coupler |
| ETIM                           | EC001136               |
| UNSPSC 24.0                    | 39121469               |