

## D-Sub 37-pole MinD ANG female hole nut M



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

Part number	09 67 412 6801
Specification	D-Sub 37-pole MinD ANG female hole nut M
HARTING eCatalogue	<a href="https://b2b.harting.com/09674126801">https://b2b.harting.com/09674126801</a>

### Identification

Category	Connectors
Series	D-Sub
Identification	Standard
Element	Connector
Description of the contact	Turned 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
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
Creepage distance	≥1 mm



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## Technical characteristics

Insulation resistance	$>10^{10} \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$
Tightening torque	$\leq 0.6 \text{ Nm}$ Female screw lock
Limiting temperature	$-55 \dots +125 \text{ }^\circ\text{C}$
Insertion force	$\leq 123 \text{ N}$
Withdrawal force	$\geq 11 \text{ N}$ $\leq 82 \text{ N}$
Performance level	2 acc. to CECC 75301-802
Mating cycles	$\geq 250$
Test voltage $U_{r.m.s.}$	1 kV
Isolation group	IIIa ( $175 \leq \text{CTI} < 400$ )
PCB thickness	$\geq 1.6 \text{ mm}$
Installation height	7.3 mm
Hot plugging	No

## Material properties

Material (insert)	Thermoplastic resin, glass-fibre filled (PBTP) Shell: steel, tin plated
Colour (insert)	White
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 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 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
REACH SVHC substances	Lead



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## Material properties

ECHA SCIP number	ecef7555-f643-4ceb-a337-fc54762297f1
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead

## Specifications and approvals

Specifications	DIN 41652
UL / CSA	UL 1977 ECBT2.E102079

## Commercial data

Packaging size	25
Country of origin	Germany
European customs tariff number	85389099
GTIN	5713140220973
eCl@ss	27440214 D-Sub coupler