

## D-SUB "US" 9M-EW



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

Part number	09 68 163 5812
Specification	D-SUB "US" 9M-EW
HARTING eCatalogue	<a href="https://harting.com/09681635812">https://harting.com/09681635812</a>

### Identification

Category	Connectors
Series	D-Sub
Identification	Standard
Element	Connector
Specification	U.S. Footprint
Description of the contact	Stamped Angled

### Version

Termination method	Wave soldering termination
Gender	Male
Size	D-Sub 1
Connection type	Motherboard to daughtercard
Number of contacts	9
further contacts	With grounding pin
Termination length	3.2 mm
PCB fixing	With board locks
Locking type	Fixing flange with thread 4-40 UNC

### Technical characteristics

Distance between rows	2.84 mm
Contact spacing (termination side)	2.77 mm
Rated current	6.5 A

## Technical characteristics

Clearance distance	≥1 mm
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	≤30 N
Withdrawal force	≥3.3 N ≤20 N
Performance level	NM 30 (S4) 1
Mating cycles	≥500
Test voltage U <sub>r.m.s.</sub>	1 kV
Isolation group	IIIa (175 ≤ CTI < 400)
PCB thickness	≥1.6 mm
Installation height	6.3 mm
Hot plugging	No

## Material properties

Material (insert)	Thermoplastic resin, glass-fibre filled (PBTP) Shell: Plated steel
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni
Layer thickness	≥0.76 µm
Layer thickness	≥30 µinch
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption
RoHS exemptions	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  
Nickel

Fire protection on railway vehicles EN 45545-2 (2020-08)

Requirement set with Hazard Levels R26

## Specifications and approvals

Specifications DIN 41652

UL / CSA UL 1977 ECBT2.E102079

## Commercial data

Packaging size 50

Net weight 7.54 g

Country of origin China

European customs tariff number 85366990

GTIN 5713140095588

eCl@ss 27440214 D-Sub coupler

ETIM EC001136

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