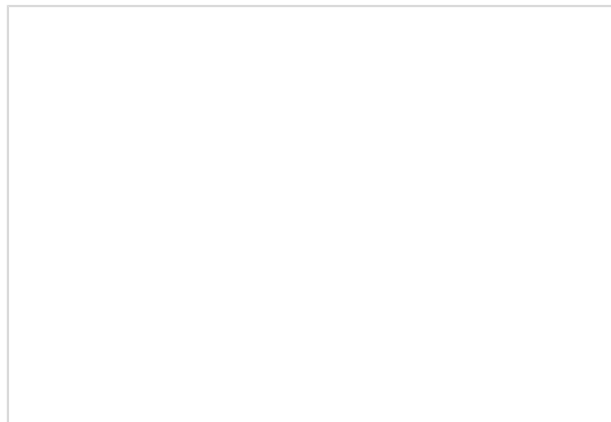




Pushing Performance
Since 1945

100UB MA RA 09P "US"_S4_with grnd clip_M



| | |
|--------------------|---|
| Part number | 09 68 163 5811 |
| Specification | 100UB MA RA 09P "US"_S4_with grnd clip_M |
| HARTING eCatalogue | https://b2b.harting.com/09681635811 |

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 M3 |

Technical characteristics

| | |
|------------------------------------|---------|
| Distance between rows | 2.84 mm |
| Contact spacing (termination side) | 2.77 mm |
| Rated current | 6.5 A |
| Clearance distance | ≥1 mm |



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Technical characteristics

| | |
|----------------------------------|---------------------------|
| Creepage distance | ≥1 mm |
| Insulation resistance | >10 ¹⁰ 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 _{r.m.s.} | 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 |
| ECHA SCIP number | ecef7555-f643-4ceb-a337-fc54762297f1 |



Pushing Performance
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Material properties

| | |
|--------------------------------------|----------------|
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Lead Nickel |
| 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 | 7.23 g |
| Country of origin | China |
| European customs tariff number | 85366990 |
| GTIN | 5713140095571 |
| eCl@ss | 27440214 D-Sub coupler |