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| <div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div></div> <div>DIN signal male connector with special contacts</div> <div><div><div>RoHS</div><div>compliant</div></div><div><div></div><div></div><div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                               |                              |   | <div>Soldering instructions</div> <div>The connectors should be protected when being soldered in a dip, flow or film soldering bath. Otherwise, they might become contaminated as a result of soldering operations or deformed as a result of overheating.</div> <div>(1) For prototypes and short runs protect the connectors with an industrial adhesive tape, e.g. Tesaband 4331 (www.tesa.de). Cover the underside of the connector moulding and the adjacent parts of the pcb as well as the open sides of the connector. This will prevent heat and gases of the soldering apparatus from damaging the connector. About 140 + 5 mm of the tape should suffice.</div> <div>(2) For large series a jig is recommended. Its protective cover with a fast action mechanical locking device shields the connectors from gas and heat generated by the soldering apparatus. As an additional protection a foil can be used for covering the parts that should not be soldered.</div> <div>(3) We recommend to align special contacts during soldering. A mated dummy connector of the counterpart can be used to align the contacts to avoid misalignment due to angular deviations.</div> |             |               |                 |                              |  |                 |                             |                              |              |       |  |                    |             |  |                       |                           |  |                 |                                                                                                               |  |                   |                  |  |                        |             |  |                               |             |  |                                |               |                 |                 |                 |                 |  |               |                                                |  |                                                |  |                                               |  |         |         |  |    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| <div><div>General information</div></div> <table><tr><td>Design</td><td>IEC 60603-2</td><td>types: M male</td></tr><tr><td>No. of contacts</td><td>78+2, 60+4, 42+6, 24+8, 6+10</td><td></td></tr><tr><td>Contact spacing</td><td>2,54 mm for signal contacts</td><td>7,62 mm for special contacts</td></tr><tr><td>Test voltage</td><td>1000V</td><td></td></tr><tr><td>Contact resistance</td><td>max. 20mOhm</td><td></td></tr><tr><td>Insulation resistance</td><td>min. 10<sup>12</sup>Ohm</td><td></td></tr><tr><td>Working current</td><td colspan="2">2 A@20°C (see derating diagram) for signal contacts<br/>for special contacts refer to corresponding data sheet</td></tr><tr><td>Temperature range</td><td colspan="2">-55°C ... +125°C</td></tr><tr><td>Termination technology</td><td colspan="2">solder pins</td></tr><tr><td>Clearance &amp; creepage distance</td><td colspan="2">min. 1,2 mm</td></tr><tr><td rowspan="3">Insertion and withdrawal force</td><td>6pol. max. 6N</td><td>60pol. max. 57N</td></tr><tr><td>24pol. max. 23N</td><td>78pol. max. 74N</td></tr><tr><td>42pol. max. 40N</td><td></td></tr><tr><td rowspan="3">Mating cycles</td><td colspan="2">- PL1 acc. to IEC 60603-2 =&gt; 500 mating cycles</td></tr><tr><td colspan="2">- PL2 acc. to IEC 60603-2 =&gt; 400 mating cycles</td></tr><tr><td colspan="2">- PL3 acc. to IEC 60603-2 =&gt; 50 mating cycles</td></tr><tr><td>UL file</td><td colspan="2">E102079</td></tr><tr><td>RoHS - compliant</td><td colspan="2">Yes</td></tr><tr><td>Leadfree</td><td colspan="2">Yes</td></tr><tr><td>Hot plugging</td><td colspan="2">No</td></tr></table> <div><div>Insulator material</div><table><tr><td>Material</td><td>PBT (thermoplastics, glass fiber reinforcement 30%)</td></tr><tr><td>Colour</td><td>RAL 7032 (grey)</td></tr><tr><td>UL classification</td><td>UL 94-V0</td></tr><tr><td>Material group acc. to IEC 60664-1</td><td>IIIa (175 ≤ CTI &lt; 400)</td></tr><tr><td>NFF classification</td><td>I3, F4</td></tr></table><div><div>Contact material</div><table><tr><td>Contact material</td><td>Copper alloy</td></tr><tr><td>Plating termination zone</td><td>Sn over Ni</td></tr><tr><td>Plating contact zone</td><td>Au over PdNi over Ni</td></tr></table></div></div> |                                                                                                               |                              |   | Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IEC 60603-2 | types: M male | No. of contacts | 78+2, 60+4, 42+6, 24+8, 6+10 |  | Contact spacing | 2,54 mm for signal contacts | 7,62 mm for special contacts | Test voltage | 1000V |  | Contact resistance | max. 20mOhm |  | Insulation resistance | min. 10 <sup>12</sup> Ohm |  | Working current | 2 A@20°C (see derating diagram) for signal contacts<br>for special contacts refer to corresponding data sheet |  | Temperature range | -55°C ... +125°C |  | Termination technology | solder pins |  | Clearance & creepage distance | min. 1,2 mm |  | Insertion and withdrawal force | 6pol. max. 6N | 60pol. max. 57N | 24pol. max. 23N | 78pol. max. 74N | 42pol. max. 40N |  | Mating cycles | - PL1 acc. to IEC 60603-2 => 500 mating cycles |  | - PL2 acc. to IEC 60603-2 => 400 mating cycles |  | - PL3 acc. to IEC 60603-2 => 50 mating cycles |  | UL file | E102079 |  | RoHS - compliant | Yes |  | Leadfree | Yes |  | Hot plugging | No |  | Material | PBT (thermoplastics, glass fiber reinforcement 30%) | Colour | RAL 7032 (grey) | UL classification | UL 94-V0 | Material group acc. to IEC 60664-1 | IIIa (175 ≤ CTI < 400) | NFF classification | I3, F4 | Contact material | Copper alloy | Plating termination zone | Sn over Ni | Plating contact zone | Au over PdNi over Ni | <div><div>Cross section of solder pins</div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> 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# Mouser Electronics

Authorized Distributor

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## HARTING:

[09031422901](#) [09033782901](#) [09031246901](#) [09031426901](#) [09031606901](#) [09031786901](#) [09033786901](#)  
[09031607901](#) [09031787901](#) [09031247901](#) [09031242901](#) [09031426922](#) [09031786922](#) [09031606922](#) [09031246922](#)  
[09031427901](#)

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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