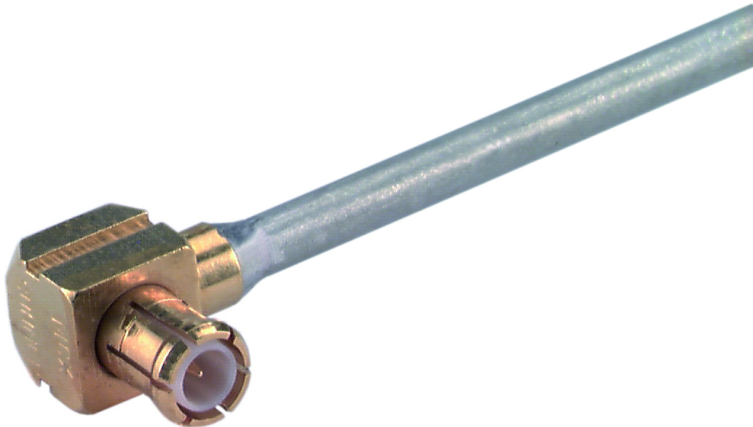


COAXIAL CONNECTOR, MCX, 50 Ohm, Right angle cable plug (male)  
16\_MCX-50-2-104/111\_N

Properties

- Small size
- Easy to connect and disconnect
- Wide range of board connectors and cable connectors available



| Product configuration |        |                          |
|-----------------------|--------|--------------------------|
| Interface type        | Gender | Standard                 |
| MCX                   | plug   | IEC 60169-36_CEECC 22220 |

| Interface and material data |                        |                                   |
|-----------------------------|------------------------|-----------------------------------|
| Piece parts                 | Material               | Plating                           |
| Centre contact              | Brass                  | Gold Plating (Nickel underplated) |
| Outer conductor             | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Body                        | Brass                  | Gold Plating (Nickel underplated) |
| Insulator                   | PFA / PTFE             |                                   |

| Electrical data     |       |
|---------------------|-------|
| Impedance           | 50 Ω  |
| Interface frequency | 6 GHz |

| Electrical Data (frequency related) |             |       |
|-------------------------------------|-------------|-------|
| Frequency range                     | Return loss | VSWR  |
| 0 GHz ... 2.5 GHz                   | 30 dB       | 1.065 |
| 2.5 GHz ... 4 GHz                   | 25 dB       | 1.119 |
| 4 GHz ... 6 GHz                     | 22 dB       | 1.173 |

| Mechanical data            |           |
|----------------------------|-----------|
| Weight                     | 0.0008 kg |
| Mating cycles              | 500       |
| Cable entry centre contact | soldered  |
| Cable entry outer contact  | soldered  |

**COAXIAL CONNECTOR, MCX, 50 Ohm, Right angle cable plug (male)**

16\_MCX-50-2-104/111\_N

| Engagement / Disengagement force |            |               |
|----------------------------------|------------|---------------|
|                                  | Engagement | Disengagement |
| Interface force min              |            | 8 N           |
| Interface force max              | 25 N       | 20 N          |

| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -65 °C ... 165 °C |

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 22658277            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |
|                     | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |

| Ordering Information Table |                        |                |
|----------------------------|------------------------|----------------|
| Item number                | Item description       | Packaging type |
| 22658277                   | 16_MCX-50-2-104/111_NH | Bulk 100 pcs   |

| Suitable cables |                     |
|-----------------|---------------------|
| Cable group     | Y3 - 2 mm / 50 Ohm  |
|                 | Y16 - 2 mm / 50 Ohm |
|                 | Y11 - 2 mm / 50 Ohm |
| Suitable cables | SR_86_TP_M17        |

| Additional Information |    |
|------------------------|----|
| Only as assembly       | No |

| Suitable tools |                  |                      |
|----------------|------------------|----------------------|
| Item number    | Item description | Type of tool         |
| 22543139       | 74_Z-0-0-30      | Assembly tool        |
| 22643029       | 74_Z-0-0-157     | Cable stripping tool |

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