

# HUBER+SUHNER® DATA SHEET

## 2x8A\_81\_MCP-S50-0-1



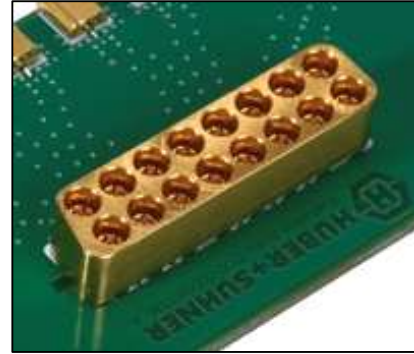
### Description

2x8 ganged SMT PCB connector (male)

Interface standard  
HUBER+SUHNER standard

Evaluation board material/configuration  
Material: Rogers RO3003

PCB layouts for other materials on request



### Technical Data

#### Electrical Data

|                     |                                 |
|---------------------|---------------------------------|
| Impedance           | 50 $\Omega$                     |
| Interface frequency | 40 GHz                          |
| Frequency range     | DC to 22.5 GHz                  |
| Return loss         | $\geq 20$ dB up to 22.5 GHz     |
| Cross talk          | $\leq -40$ dB at PCB transition |
| Electrical Length   | N/A                             |

#### Mechanical Data

|                   |         |
|-------------------|---------|
| Number of matings | 500     |
| Weight            | 10.47 g |

#### Environmental Data

|                       |  |
|-----------------------|--|
| Operating Temperature | - 55 $^{\circ}\text{C}$ to + 85 $^{\circ}\text{C}$ |
| 2002/95/EC (RoHS)     | compliant  |

#### Material Data

##### Piece Parts (Multicoax male)

|                |                              |
|----------------|------------------------------|
| Centre contact | Copper Beryllium Alloy       |
| Outer contact  | Copper Beryllium Alloy / C97 |
| Body           | Brass                        |
| Insulator      | PEEK                         |
| Coupling nut   | N/A                          |

##### Surface Plating

|                 |
|-----------------|
| SUCOPRO Plating |
| SUCOPRO Plating |
| SUCOPRO Plating |

#### Related Documents

|                   |              |
|-------------------|--------------|
| Outline drawing   | DOU-00127366 |
| Catalogue drawing | N/A          |

#### Ordering Information

|                |                   |
|----------------|-------------------|
| Single package | Item no. 84072058 |
|----------------|-------------------|

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

#### WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical contained specifications and/or the fitness for any particular purpose. The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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