

# Radio-frequency probe

## HFS-821 305 080 A 9905 MX49

Item HFS-821-0012

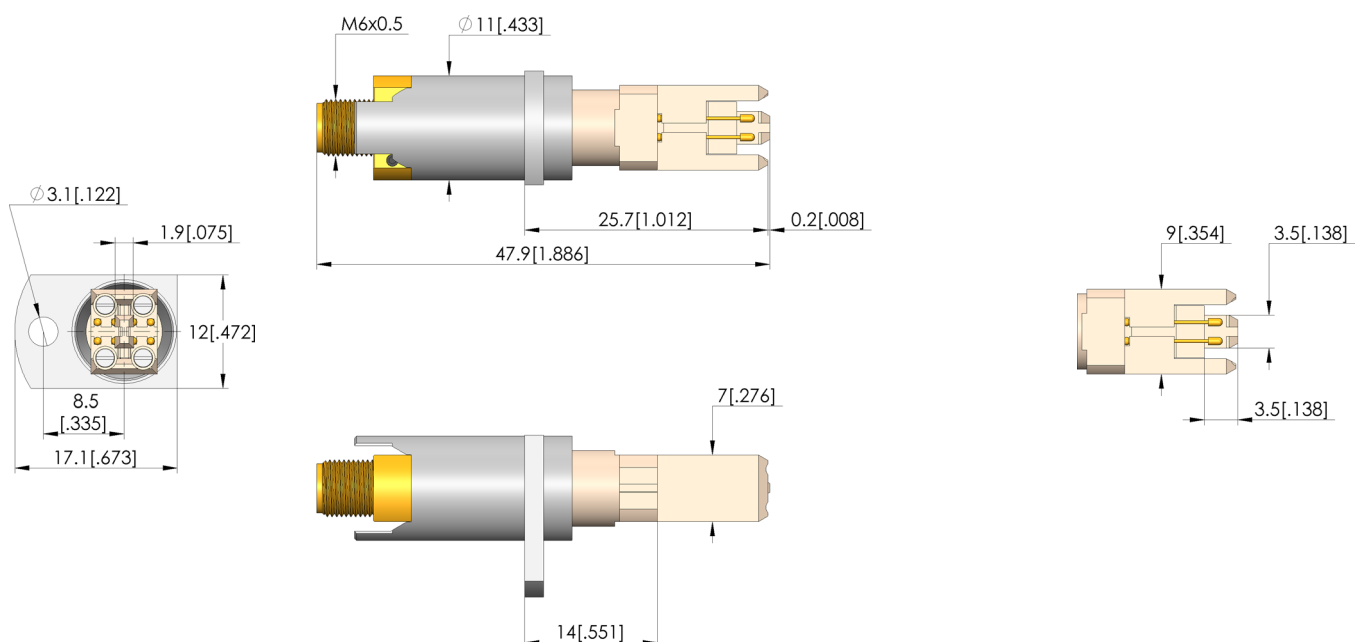
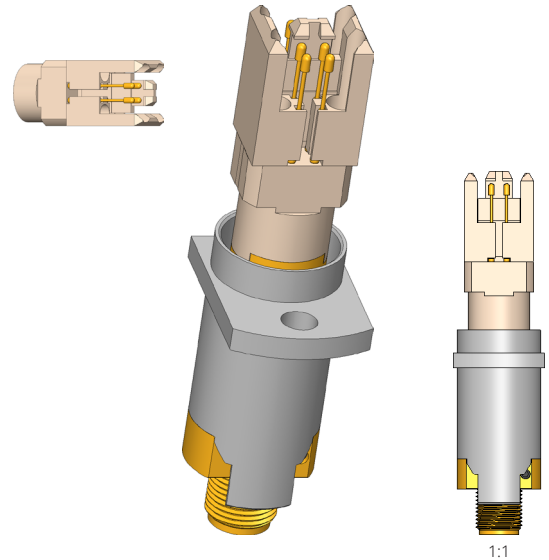


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- For contacting differential connectors from the MX and USCAR series in the automotive sector
- Connection via SE-821 cable interface
- Floating mechanism is integrated
- Installation via one-sided flange mounting

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### General data

Product group:	HFS radio-frequency test probes
Series:	HFS-821
Sub-series:	HFS-821
Grid:	12.5 mm [492 mil]
DUT / contact:	MX49
Installation type:	Flange
DUT interface gender :	F signal conductor female / socket
Floating mount:	Yes
Non-rotating:	Yes
Continuous plunger:	Yes
Interface of compatible assembly:	SE-821 MX49 plug, 4-pole, screw-in, for HFS-821 MX49
Compatible assembly interface gender :	M signal conductor male / pin
Recommended torque at interface:	10 cNm [.885 lbf-in]
Min. temperature:	- 40 °C [- 104 °F]
Max. temperature:	+ 80 °C [+ 176 °F]
RoHS-compliant:	RoHS-3;6c

### Outer conductor data

Outer conductor tip style:	05 bullet-nosed (full radius)
Outer conductor tip style diameter:	0.8 mm [.031 in]
Spring force of entire outer conductor at working stroke:	10 N [35.9 ozf]
Outer conductor working stroke:	3.5 mm [.137 in]
Outer conductor maximum stroke:	5 mm [.196 in]
Exchangeable outer conductor:	GKS-080-0034
Outer conductor max. current load capacity:	3 A

### Inner conductor data

Inner conductor tip style:	05 bullet-nosed (full radius)
Inner conductor tip style diameter:	0.8 mm [.031 in]
Inner conductor tip style material:	3 CuBe
Inner conductor tip style surface:	A gold
Number of inner conductors:	4 2 differential pair
Exchangeable inner conductor:	GKS-080-0034
Inner conductor working stroke:	0 mm [0 in]
Spring force of each inner conductor at working stroke:	0 N [0 ozf]
Inner conductor maximum stroke:	0 mm [0 in]
Inner conductor max. current load capacity:	3 A

### Electrical data

Frequency range up to:	2 GHz
Impedance:	100 Ohm

### Mechanical data

Total spring force at working stroke:	10 N [35.9 ozf]
Total length:	47.9 mm [1.88 in]
Barrel diameter:	11 mm [.433 in]
Installation height without receptacle:	25.9 mm [1.01 in]

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