Radio-frequency probe

HFS-802 306 100 A 7642 MTNT

Item HFS-802-0004

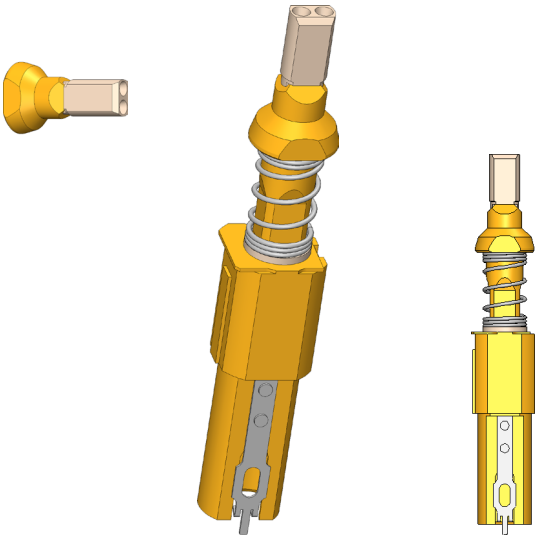
GO TO PRODUCT

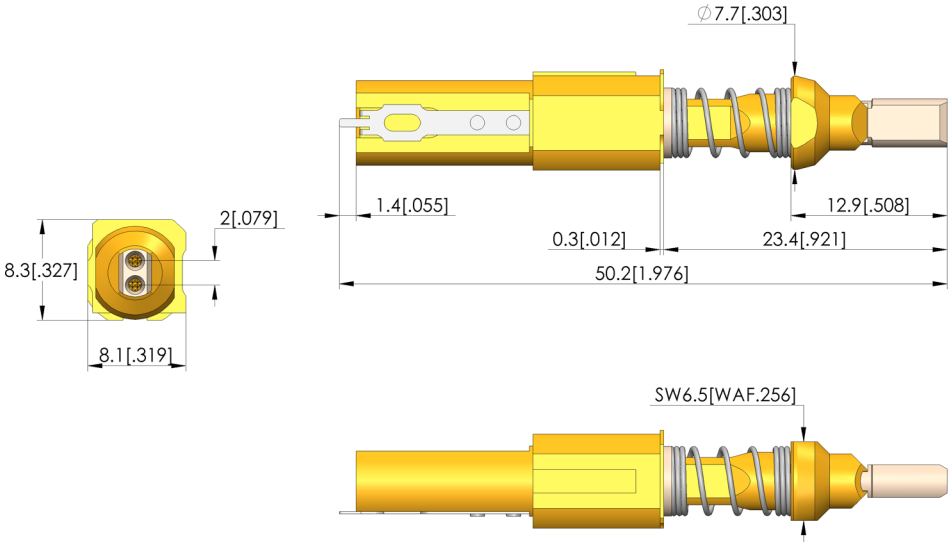
ingun®
Partner for Future Technology

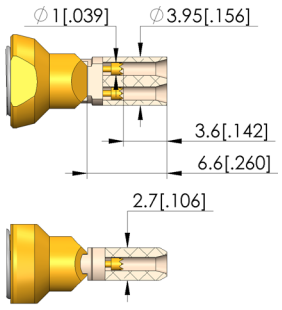
- For testing differential connectors (e.g. LV 214 / USCAR)
- Used mainly in future technologies for the automotive market (e.g. autonomous driving)
- Consistent radio-frequency performance for data transmission
- Modular design, test probe combination for single, double, or quadruple housing
- Cable interface H-MTD

NEW

5G READY







AUTOMOTIVE

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General data

Product group:	HFS radio-frequency test probes
Series:	HFS-802
Sub-series:	HFS-802
Grid:	22 mm [866 mil]
DUT / contact:	MATEnet male (TE connectivity)
Installation type:	Plug-in
DUT interface gender :	M signal conductor male / pin
Floating mount:	Yes
Non-rotating:	Yes
Continuous plunger:	Yes
Interface of compatible assembly:	HMTD
Compatible assembly interface gender :	F signal conductor female / socket
KS sub-series:	KS-802 MTNT
Width:	7.8 mm [.307 in]
Height:	7.8 mm [.307 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:	42 centring for inner side of plug connector
Outer conductor tip style diameter:	6.5 mm [.255 in]
Spring force of entire outer conductor at working stroke:	6 N [21.5 ozf]
Outer conductor working stroke:	4 mm [.157 in]
Outer conductor maximum stroke:	5 mm [.196 in]
Exchangeable outer conductor:	No

Inner conductor data

Inner conductor tip style:	06 serrated
Inner conductor tip style diameter:	1 mm [.039 in]
Inner conductor tip style material:	3 CuBe
Inner conductor tip style surface:	A gold
Number of inner conductors:	2 1 differential pair
Exchangeable inner conductor:	GKS-802-0003
Inner conductor working stroke:	2.9 mm [.114 in]
Spring force of each inner conductor at working stroke:	0.8 N [2.87 ozf]
Inner conductor maximum stroke:	3.4 mm [.133 in]

Electrical data

Frequency range up to:	1 GHz
Impedance:	100 Ohm
Max. data rate:	1 Gbit/s
Dielectric strength:	4 kV

Mechanical data

Total spring force at working stroke:	7.6 N [27.3 ozf]
Total length:	48.8 mm [1.92 in]
Installation height without receptacle:	23.7 mm [.933 in]

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