

# Spring-loaded tooling pin

## GFS-3,98-RD-12-05-B-G

Item 24481



GO TO PRODUCT

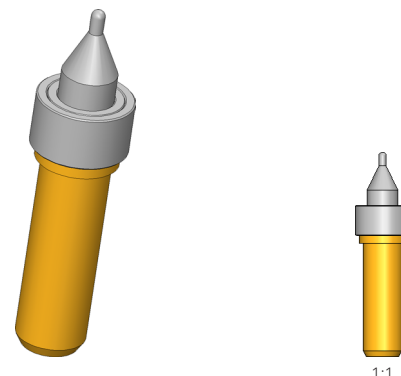
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- Trusted tooling pin for reliable, spring-loaded mounting of the PCB via the guide holes
- High-precision and low-wear
- Optimum tolerance compensation
- Compact design with internal spring

### Application

Spring-loaded tooling pins (GFS) are used to spring-load the PCB to be tested via the guide holes and position it precisely in the probe field on the contacting plane.



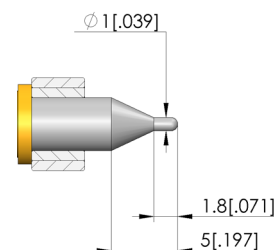
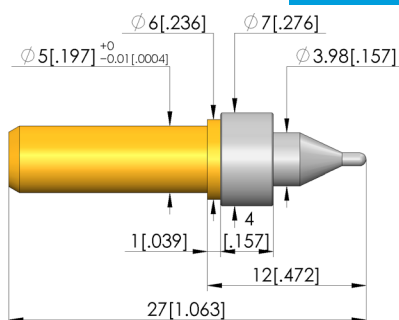
1:1

#### Note:

The spring-loaded tooling pin is mounted in the moving plate (ADP) and must be positioned with the collar flush to the surface of the moving plate.

#### Note:

Depending on the shape and tolerance accuracy of the PCB, tooling pin combinations with round/round or round/blade tip styles are used. The long side of the blade must always be aligned perpendicular to the distance of the hole.



### General data

Product group:

Series:

Type:

Version:

Accessory type:

Scope of delivery:

Weight:

Min. temperature:

Max. temperature:

RoHS-compliant:

Tooling pins

FS-GF

Spring-loaded

Round with collar (D6x1), moving plate (ADP)

Customising accessories

Incl. friction bearing

0.01 kg [0.22 lbs]

10 °C [50 °F]

60 °C [140 °F]

Yes

### Compatible with

Exchangeable kits version:

Manual test fixtures (MA):

Vacuum test fixtures (VA):

MA exchangeable kits (ATS MA):

PA exchangeable kits (ATS PA):

For dual-stage contacting:

No limitations

MA 2012

VA 30xx

ATS MAxx

ATS PAZxxx

Yes

### Technical data

Stroke:

Tip diameter:

Force:

Installation:

Spring force:

Length:

Tip height:

Diameter:

Pin diameter:

5 mm [1.96 in]

3.98 mm [1.56 in]

3 N [10.7 ozf]

Plugged

3 N [10.7 ozf]

27 mm [1.06 in]

5 mm [1.96 in]

7 mm [0.275 in]

5 mm [1.96 in]

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### Accessories

Part no.	Designation	Version
25214	GFS-3,98-SW-12-05,5-B-G	Spring-loaded tooling pin, tip style: sword shaped

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