

# VF100

## PRODUCT INFORMATION ICT/FCT-Test Probes

**Grid:**  
 ≥ 2.54 mm  
 ≥ 100 Mil  
**Installation height with KS:** 40.5 mm

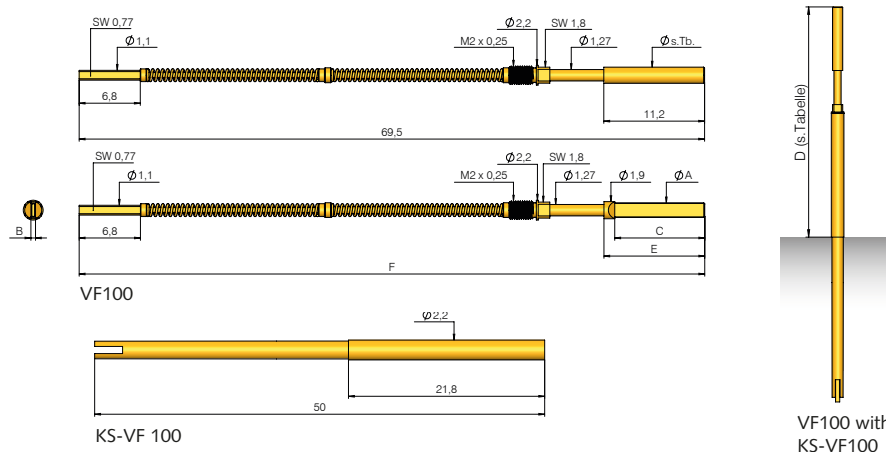
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## Push-back test for plug connectors in 100 Mil grid

### Features

- Push-back probes VF100 are used to test cable harnesses
- Non-rotating design, especially suited to spade tip styles
- Various spring force available

### Mounting and functional dimensions



### Function / Assembly

- The probes are mounted in and connected with the KS-VF100 receptacle

### Available tip styles

Material	Tip style	Plating	Further versions	
			Ø	Ø (inch)
2 02		A	1,80	A
2 03		A	2,20	A
2 20		A		

Part. No.	A Tip-Ø mm (inch)	B Width of spade in mm (inch)	C Length of spade in mm (inch)	D Installation height with KS in mm (inch)	E Tip height in mm (inch)	F Total length mm (inch)	Recommended tools
VF100-220 160 050 A xx	1.6	0.5	10	40.5	11.2	69.5	BIT-VF100 M-B
VF100-220 190 036 A xx	1.9	0.36	10	40.5	11.2	69.5	BIT-VF100 M-B
VF100-220 190 050 A xx	1.9	0.5	10	40.5	11.2	69.5	BIT-VF100 M-B
VF100-220 190 080 A xx	1.9	0.8	10	40.5	11.2	69.5	BIT-VF100 M-B
VF100-220 250 080 A xx	2.5	0.8	10	40.5	11.2	69.5	BIT-VF100 M

### Mechanical data

**Working stroke:** 5.0 mm  
**Maximum stroke:** 5.5 mm  
**Spring force at working stroke:** 10.0 N  
**Alternative:** 15.0 N

### Materials

**Plunger:** Steel, gold-plated  
**Spring:** Spring steel, gold-plated  
**Receptacle:** Brass, gold-plated

### Mounting and Tools

**Recommended screw-in torque:** min. 3 cNm  
 max. 5 cNm  
**Tool:** BIT-VF100 M  
 BIT-VF100 M-B  
**Width across flats:** 1.8 mm  
**Thread:** M2x0,25

### Electrical data

**Current rating:** 5 A  
**Ri typical:** ≤ 30 mΩ

### Mounting hole size

With collar or press-ring as a collar-stop  
**in CEM1 and FR4:** Ø 1.99 - 2.00 mm

### Operating temperature

**Standard:** -40° up to +80° C

### Note:

The face of the plunger tip is aligned with the face of the end of the plunger.

### Ordering example

Series	Tip material 2 = Steel	Tip style	Tip diameter (A) (1/100 mm)	Width of spade (B) (1/100 mm)	Plating A = Gold	Installation height (D) (1/10 mm)	Spring force (N)
Test probe with tip style 202:	V F 1 0 0	2	0 2	1 8 0	A	1 0 0	1 0
Test probe with tip style 220:	V F 1 0 0	2	2 0	1 8 0	A	1 0 0	1 0
Receptacle:	K S - V F 1 0 0						