



HF60-0004 SMB-M 5 P MCX

Contacting SMB-Male

| Centers (mm/mil) | 6,00 / 236 |
|--------------------|------------|
| Current (Circular) | 10,0 A |
| Current (Internal) | 3,0 A |
| Impedance [Z] | 50 Ohm |
| Frequency | 5 GHz |
| Temperature | -20°C+80°C |

Spring Force (cN ±20%)

| | Preload | Nominal |
|----------------|---------|---------|
| Total | - | 530 |
| Internal Cont. | 75 | 130 |
| Circular Cont. | 90 | 400 |

Travel (mm)

| | Nominal | Maximum |
|----------------|---------|-----------------|
| Internal Cont. | 2,0 | 3,7 |
| Circular Cont. | 4,0 | 5,0 |
| Thread (M) | | M5x0,5 |
| Wrench Size | | 3.5 / 4.0 / 5.0 |

Materials and Plating

| Internal Cont. | BeCu, gold plated |
|--------------------------|---------------------------|
| Circular Cont. | BeCu, gold plated |
| Barrel | Brass, gold plated |
| Spring Internal Cont. | Music Wire, gold plated |
| Spring Circular Cont. | Stainless steel, unplated |
| Receptacle | Brass, gold plated |

Drill Size (mm)

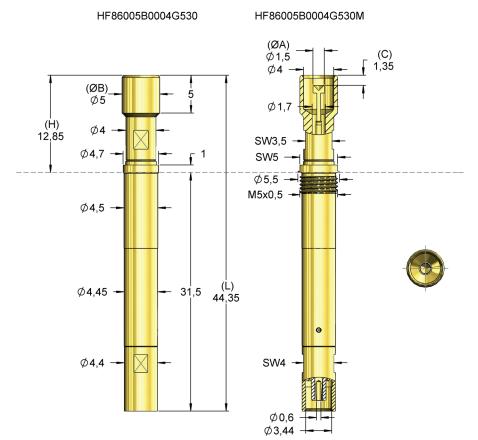
| H860 | 4,99 - 5,00 |
|--------|-------------|
| H860RD | 5,51 - 5,53 |
| H860FL | 7,99 - 8,01 |

Projection Height (mm)

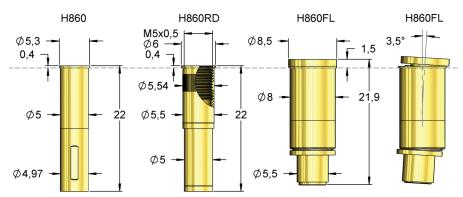
| H860(RD) | with HF60-0004 | 13,25 |
|----------|----------------|-------|
| H860FL w | ith HF60-0004 | 14 35 |

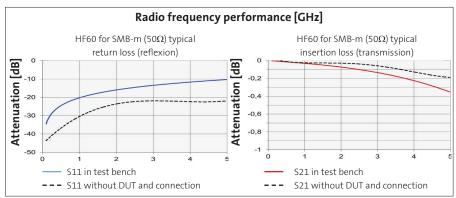
Accessories

| Internal pin | F08605B150G130 |
|---------------------------|----------------|
| Tool for changing | FZWZ-005 / |
| internal pin | FDWZ-050 |
| Insertion tool receptacle | FEWZ-822E0 |
| Screw-in tool probe | FWZ860HF50 |
| Cables see overview | page 62 |



For contacting SMB-Male connectors.





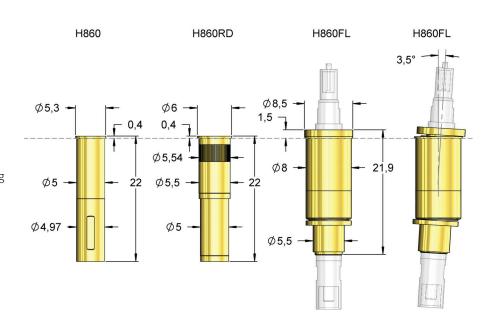
| Order Code | Description | Sensepin | Style | ØΑ | ØΒ | С | Н | L | Version |
|-------------------|---------------------------|----------|-------|------|------|-------|-------|-------|---------|
| HF86005B0004G530 | HF60-0004 SMB-M 5 P MCX | | 05 | 1,50 | 5,00 | -1,35 | 12,85 | 44,35 | - |
| HF86005B0004G530N | 1 HF60-0004 SMB-M 5 S MCX | | 05 | 1,50 | 5,00 | -1,35 | 12,85 | 44,35 | Μ |



Receptacles

for HF860

The new receptacle H860FL allows a flexible (floating) mounting of the high frequency probe HF60. It permits a wobbling by 360 degrees in case of a small offset to the DUT. Such a possible offset is compensated without damaging the DUT. In released mode the HF probe is returned to its zero point position. The screwable receptacle with knurl (H860RD) is available for the screwable versions of the HF860.



Tools

for HF860

FWZ860HF50

The FWZ860HF50 is used to screw the probes HF860...M into the screwable receptacle H860RD.

FEWZ-822E0

The FEWZ-822E0 is used to insert the receptacles H860... into the mounting plate.

FDWZ-050

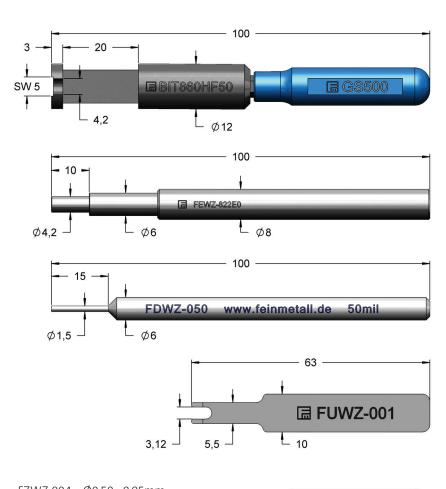
The FDWZ-050 is used to insert the signal pin of the HF860 and HF819 if it is possible to replace the signal pin without damaging it.

FUWZ-001

With the release tool FUWZ-001 the pin can be released from the flange. The Mini SMP cable connection can also be easily removed without pulling on the cable.

FZWZ-004 / FZWZ-005 / FZWZ-006

With the removal tool, the signal pin of the HF860 or HF819 can be disconnected and replaced.





F086

Internal Contact for RF Probes HF819 and HF860

| Centers (mm/mil) | 1,27 / 50 |
|------------------|------------|
| Current | 3,0 A |
| R _{typ} | 10 mOhm |
| Temperature | -20°C+80°C |

Spring Force (cN ±20%)

| Version | Preload | Nominal |
|----------|---------|---------|
| Standard | 75 | 130 |
| SP | 75 | 130 |

Travel (mm)

| Version | Nominal | Maximum | | |
|--------------|---------|----------|--|--|
| Standard | 2,0 | 3,7 | | |
| SP 2,0 | | 3,7 | | |
| Pointing Acc | uracy | ±0,05 mm | | |

Materials and Plating

| Plunger | see Tip Style |
|------------|---------------------------|
| Barrel | Bronze, gold plated |
| Spring | Music Wire, gold plated |
| Recentacle | Nickel silver gold plated |

Accessories

| Insertion tool receptacle | FEWZ-050EV |
|---------------------------|------------|
| Insertion tool receptacle | FEWZ-050E0 |
| Insertion tool probe | FDWZ-050 |

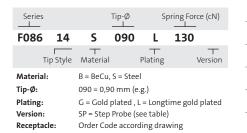
Drill Size (mm)

Receptacle:

| Receptacle press ring as stop | 0,99 - 1,00 |
|--------------------------------|-------------|
| Receptacle press ring inserted | 1,05 -1,07 |

Projection Height (mm)

| H086CR/8 | .0 with F086 | | 5,0 - 13,0 |
|----------|--------------|----|------------|
| H086CR/8 | 0 with F086 | SP | 81-161 |



| F086SP ØA - C ØB - C | F086 | H086CR/8.0 | W H |
|------------------------|-----------------------|--|-----|
| H | 13 31,3 3 Ø0,75 | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | |
| M 1:1 | | - | |

The F086 is mounted in the RF probes HF860 and HF819 as inernal contact for signal transmission.

* deviating from standard, depending on diameter.

| Tip Style | Number | Material | Plating | Ø in mm | Version |
|-----------|--------|----------|---------|---------|---------|
| | 02 | В | G | 0,80 | - |
| | 02 | В | 3,00 | G | S1 |
| | 02 | В | G | 1,80 | - |
| | 05 | В | G | 0,90 | - |
| | 05 | В | G | 1,50 | - |
| | 11 | В | G | 0,51 | - |
| | 14 | В | L | 0,90 | - |
| | 18 | В | G | 0,51 | - |
| | 55 | В | G | 0,90 | - |

| Order Code | Tip Style | ØΑ | ØВ | C | н | L | Version |
|--------------------|-----------|-----------|------|------|------|-------|---------|
| F08612B0002G130SP* | 12 | 0,51 | 0,90 | 1,50 | 8,10 | 39,10 | SP |
| F08612B0004G130SP* | 12 | 0,60 | 0,90 | 1,50 | 8,10 | 39,10 | SP |
| F08612B0003G130SP* | 12 | max. 0,60 | 0,90 | 1,50 | 8,10 | 39,10 | SP |



CONNECTION CABLES

for Types HF860/HF66

