



PRODUCT PORTFOLIO CONTACT PROBES

FEINMETALL
Contact Technologies



YOUR PARTNER IN THE CONTACT TECHNOLOGY



What makes us special?

FEINMETALL is an independent, medium-sized company with a high innovative capacity. Approximately 400 employees do their best to make our customers successful by using our products. This is our target and our motivation.

Our Expertise

- Experts in contact technologies
- Fine mechanics and micromechanics at highest level
- Diversity and innovation
- International service and customer focus
- Quality and delivery reliability

PRODUCT PORTFOLIO CONTACT PROBES

Contact probes for PCB test (ICT/FCT)

Contact probes for signal and current transmission

Contact probes for wire harness and connector test

Contact probes for higher currents

Coax probes for Kelvin and RF tests



CONTACT PROBES FOR PCB TEST (ICT/FCT)



Contact Probes for Inch Centers

- Standard versions:** F040 (40mil) / F050 (50mil) / F075, F703 (75mil) / F100, F585 (100mil)
- Long travel versions:** F051 (50mil) / F793 (75mil) / F588 (100mil)
- Short versions:** F111, F112 (50mil) / F561, F701 (75mil) / F562 (100mil)

Contact Probes for Metric Centers of Robust Construction

- Standard versions:** F772 (100mil) / F773 (138mil)
- Long travel versions:** F786 (100mil) / F796, F785 (138mil)
- Short versions:** F563, F564 (125mil) / F566 (187mil)

Fine Pitch Probes

- Single plunger:** F239 (20mil) / F207 (28mil) / F109 (39mil)
- Double plunger:** F238, F681 (20mil) / F206, F209 (28mil) / F680, F685 (30mil) / F252 (39mil)

Contacts at Specific Conditions

Progressive Series specially for contacting lead-free soldered PCBs

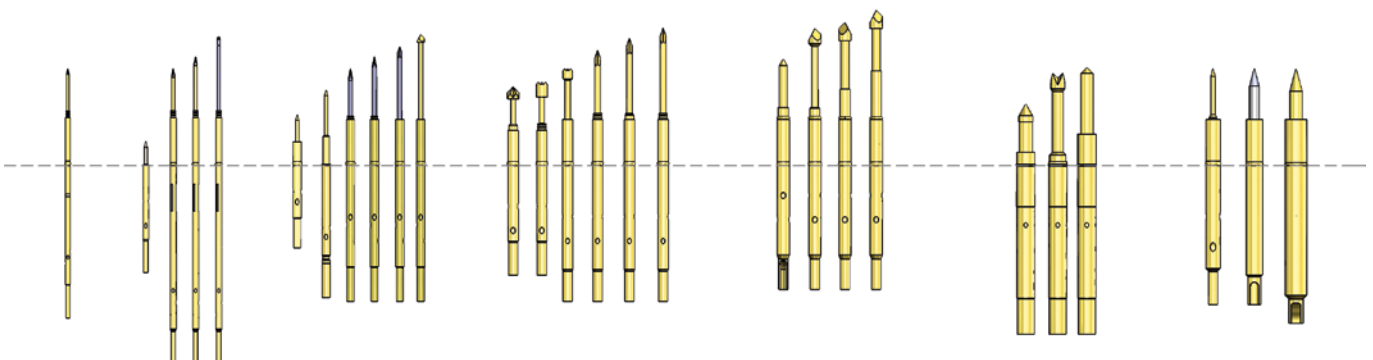
F050...HP, F051...P..., (50mil) / F075...HP, F793...HP (75mil) / F563...HP, F100...HP, F588...HP, F772...HP (100mil)

Solution for contacting OSP coated boards

F07532S064P250HP, F07532S064P250HPL (75mil) / F10032S090P300HP, F10032S090P300HPL (100mil)

„Wobbling Plunger“ for strong lateral forces

F075...RP (75mil) / F100...RP, F732...RP (100mil)



CONTACT PROBES FOR SIGNAL AND CURRENT TRANSMISSION



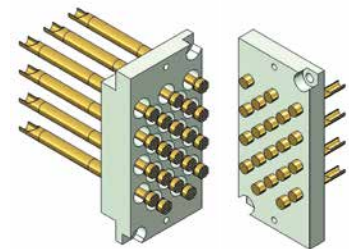
Interface Probes for frequently used Test Systems

ATG Luther & Maelzer:	F262..., F282..., F502...
Teradyne:	F15030B100G100...
Teradyne Spectrum 885x:	F10015B150G200
Genrad 227x/228x:	F50403B104G130, F50418B105G100L, F50430B105G100L
Digitaltest MTS 300:	F53807S130N220, F53807S190N220
Spea (Easytest/Unitest):	F10005B150G200, F10006B150G200
Agilent HP3070 / i5000:	F10006B310.... „Mint-Pin“
Flying Probe Test Systems:	FP73218S100L150E19
Testjet:	Z58550B175G100S1, Z58850B175G180S1



Interface Pins

With Wire-Wrap post:	I-Z1, I-G1, G-G1S1, I-G1S2, I-C22WW/2, I-D2WW/2
With round post:	I-G1S3, I-P18WR/0.8, I-Z1WR/0.8, I-Z1S2, I-D19S1/2
With solder connection:	I-C18LA/3, I-C17LA/2, I-D17LA/2
Solid for high currents:	I-P16LA/0.9, I-P20LA/2.5, I-P1, I-P1S2, I-P1S3, I-P1S4

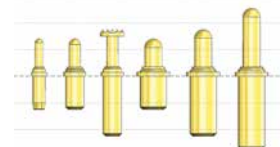


Interface Blocks

Test heads
 Interface blocks for test systems and fixtures
 In predefined customer specific blocks

Battery Contacts

Plug-in version:	F697 (50mil) / F709 (67mil) / F708, F704 (87mil) / F706, F702, F705 (118mil) F671, F672, F673
Threaded version:	F360C (157mil)



Short Travel Probes

With receptacle:	F605, F665 (50 mil) / F670 (100 mil) / F713 (177 mil) / F650, F651 (256 mil)
Without receptacle:	F693, F620, F699, F630, F692, F192 (100 mil)

Battery contacts and short travel probes are also available as taped components.



CONTACT PROBES FOR WIRE-HARNESS AND CONNECTOR TEST



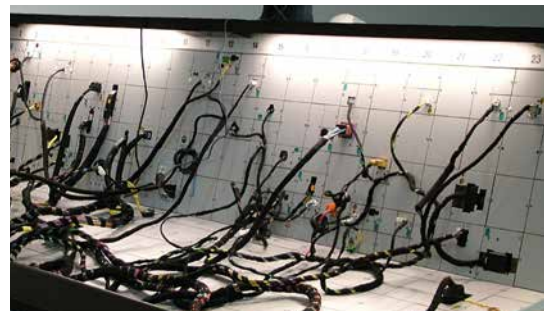
Switch Probes

Closer (NO) plug-in:	F864 (75mil) / F878 (100mil) / F884 (138mil)
Closer (NO) threaded:	F863 (75mil) / F865, F879, F873, F875, F375 (100mil) / F885, F886, F385 (138mil) / F887 (157mil) / F419 (256mil)
Opener (NC) threaded:	F873 (100mil) / F883 (138mil)
Closer (NO) for backward assembly:	F880 (138mil)
Closer (NO) electrically isolated:	F881 (138mil)
Closer (NO) with ball head:	F888 (256 - 354mil)
Switch probe with OFF-ON-OFF principle:	F487 (157mil)

Step Probes

(Center depends on diameter of plate)

Plug-in version:	F086...SP / F100...SP / F773...SP
Threaded version:	F730...SP / F731...SP / F732...SP / F733...SP



Twist Proof Probes

Plug-in version:	F752 (100mil) / F754 (177mil)
Threaded version:	F751 (87mil) / F756 (100mil) / F760 (138mil) / F755 (177mil)

Push Back Probes

Plug-in, not twist proof:	V03 (118mil) / V04 (157mil)
Threaded, twist proof:	VF100 (100mil) / VF3 (118mil) / VF4 (157mil)

Threaded Probes

Standard versions:	F730 (50mil) / F731 (87mil) / F732 (100mil) / F733 (157mil)
Long travel versions:	F051 (50mil) / F727 (100mil) / F734, F737 (157mil)
Short versions:	F176 (87mil) / F722 (100mil) / F562 (100mil) / F723 (157mil)



Positions Sensor System

Contact Probe with integrated travel measurement. Modular designed consisting of probe, receptacle and position sensor – additionally there is a twist proof version available.

CONTACT PROBES FOR HIGH CURRENTS

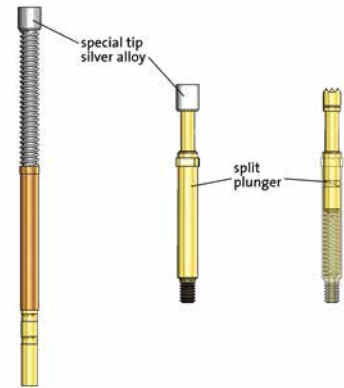


High Current Probes with Continuous Plunger

Plug-in: F310 (59mil) / F320 (67mil) / F330 (100mil) / F340 (157mil)

High Current Probes with Split Plunger

Plug-in: F772...C (100mil) / F773...C (138mil) / F775...C (197mi)
Threaded: F732...C (100mil) / F723...C, F733...C (157mil) / F735...C (197mi)

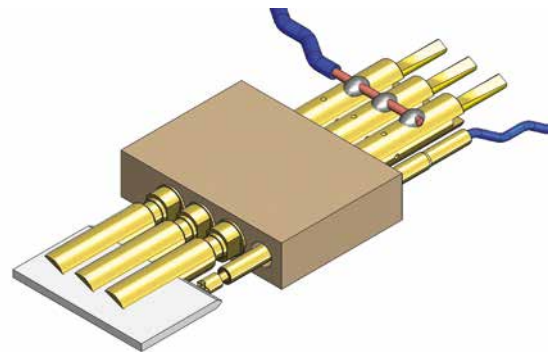


High Current Probes with Silver Head Minimising Contact Burn

Plug-in: F772...C (100mil) / F773...C (138mil) / F775...C (197mi)
Threaded: F732...C (100mil) / F723...C, F733...C (157mil) / F735...C (197mi)

Contact of Blades

Threaded: F762...C (157mil)

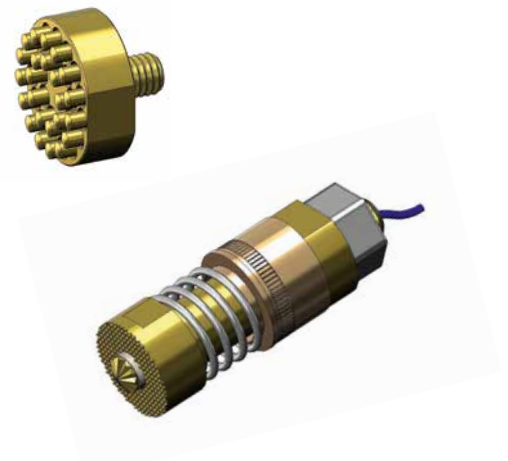


Contact Blocks for Uneven Surfaces

Mounting in conductive material: 1860C001, 1860C002, 1860C006 (472mil)

High Current Probes of Robust Construction

Threaded: 1860C005 (433mil)



High Current Coaxial Probes for Formation and Test of Battery Cells

Coaxial probes: 1860C003, 1860C007 (551mil), 1860C004 (984mil)

COAX PROBES FOR KELVIN MEASUREMENTS AND RF-TEST



Coax Probes for Radio Frequency Tests (RF tests)

SMA (Female): HF86002B0001G530 - 8GHz (256mil)

SMB (Male): HF86005B0004G530 - 5GHz (236mil)

SMB (Female): HF86002B0005G530 - 6GHz (236mil)

SMC (Male): HF86005B0003G530 - 5GHz (236mil)

U.FI (Male): HF86005B0002G530 - 5GHz (236mil)

RF (Male): HF86005B0007G530 - 5GHz (236mil)

HSD (Male): HF81905B0001G1270 - 2GHz (472mil)

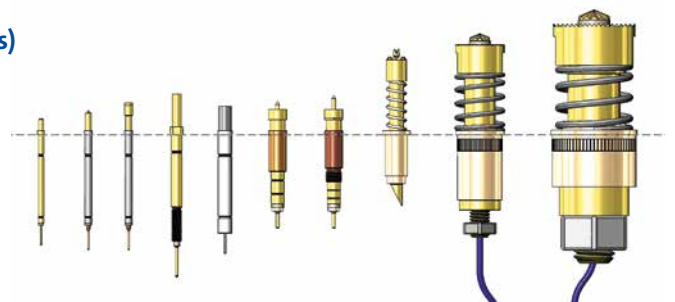
HSD (Female): HF81912B0002G1270 - 2GHz (472mil)



Coax Probes for 4-Pole Measurements (Kelvin Measurements)

Plug-in: F805 (87mil) / F810 (100mil) / F830 (157mil) / F822 (216mil) / F840 (275mil) / 1860C007 (551mil) / 1860C004 (984mil)

Threaded: F835 (138mil) / F832 (216mil)



INTERNATIONALLY POSITIONED FOR YOU



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