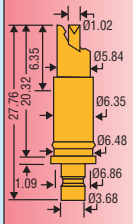
PEAKGROUP

Kelvin and coaxial probes P840 is a new high current version
P845-Q Applications: Battery system activated element test, battery contact test, capability of electric current signal transmission test

SERIES 800

SPECIFICATION

PROBE P800-G

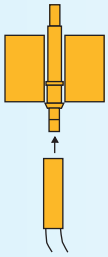


MECHANICAL	
Recommended working travel	4.24mm
SPRING FORCE @ Working travel	
Outer shield	0.6N
Inner contact	1.1N
Full travel:	6.35mm
ELECTRICAL	
Impedance	<50 ohms
Current rating DC cont	3 amps
Frequency range DC	2.5 GHz
Recommended mounting hole size	6.40mm

The P800 will accept a standard SMB female plug. The inner contact Part No. P800-RP is available as a replacement. Replacement probe heads "B" AND "P" also available.

MOUNTING INSTRUCTION

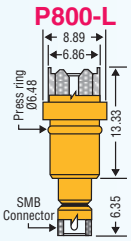
For P800



1. Drill 6.4mm hole in probe nest
2. Insert probe from the bottom and press in place
3. Plug in connector

COAXIAL LAND

P800-L

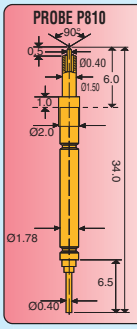


To make a <50 ohm impedance interfacing pair with P800-G

SERIES 810

SPECIFICATION

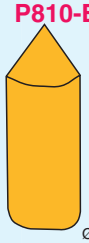
PROBE P810



MOUNTING	
Recommended minimum centres:	2.54mm
Recommended hole size:	1.77mm
MECHANICAL CONTACT SLEEVE DATA	
Full travel:	3.5mm
Recommended working travel:	2.3mm
SPRING FORCE	
Preload:	0.4N
@ Working travel:	1.1N
CENTRAL PLUNGER DATA	
Full travel:	4.0mm
Recommended working travel:	2.8mm
SPRING FORCE Preload:	0.3N
@ Working travel:	1.7N
ELECTRICAL	
Max cont. current contact sleeve:	3.0 amps
Max cont. current contact plunger:	0.8 amps

TIP STYLES

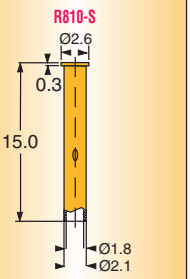
P810-E



STEEL

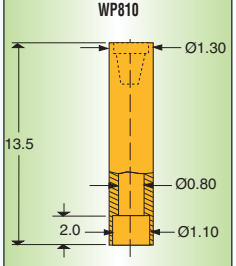
RECEPTACLES

R810-S



WIRE PLUG

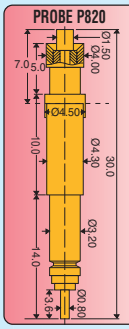
WP810



SERIES 820

SPECIFICATION

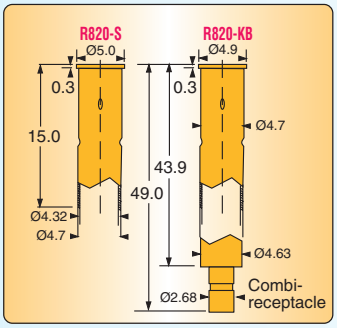
PROBE P820



MOUNTING	
Recommended minimum centres:	5.0mm
Mounting hole size:	4.3mm
MECHANICAL CONTACT SLEEVE DATA	
Full travel:	2.5mm
Recommended working travel:	2.0mm
SPRING FORCE	
Preload:	3.0N
@ Working travel:	4.5N
CENTRAL PLUNGER DATA	
Full travel:	3.5mm
Recommended working travel:	3.0mm
SPRING FORCE Preload:	1.0N
@Working travel:	6.5N
ELECTRICAL	
Max cont. current contact sleeve:	6.0 amps
Max cont. current contact plunger:	1.6 amps

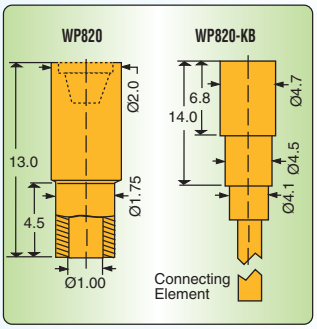
RECEPTACLES

R820-S **R820-KB**



WIRE PLUG

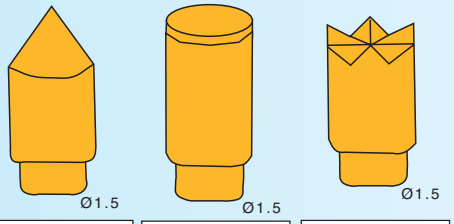
WP820 **WP820-KB**



Note: For screw-in version of P820 see Page 30 P820/G

TIP STYLES

P820-E2 **P820-F** **P820-W**

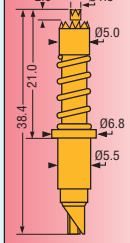


STEEL | STEEL | STEEL

SERIES 840

SPECIFICATION

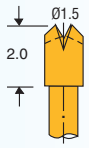
PROBE P840



MOUNTING	
Recommended minimum centres:	7.0mm
MECHANICAL CONTACT SLEEVE DATA	
Full travel:	5.5mm
Recommended working travel:	5.0mm
Preload:	1N
CENTRAL PLUNGER DATA	
Full travel:	7.5mm
Recommended working travel:	7.0mm
Preload:	2N
Total spring force at Recommended travel:	17.8N ±20%
ELECTRICAL	
Max cont. current contact sleeve:	20.0 amps
Max cont. current contact plunger:	3.0 amps

TIP STYLES

P840-Q

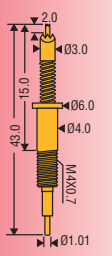


STEEL

SERIES 845-Q

SPECIFICATION

PROBE P845-Q



Recommended minimum centres:	7.0mm
Mounting hole size:	4.0mm
MECHANICAL CONTACT SLEEVE DATA	
Full travel:	4.0mm
Recommended working travel:	3.0mm
SPRING FORCE	
Preload:	1.0N
@ Working travel:	5.0N
CENTRAL PLUNGER DATA	
Full travel:	4.0mm
Recommended working travel:	2.5mm
SPRING FORCE Preload: 1.0N	0.35N
@Working travel: 5N	1.3N
ELECTRICAL	
Max cont. current contact sleeve:	6.0 amps
Max cont. current contact plunger:	3.0 amps

PROBE ORDER CODE

P810 - E

Series Tip Style

Note: Tip Material shown Black - Standard Stock Item