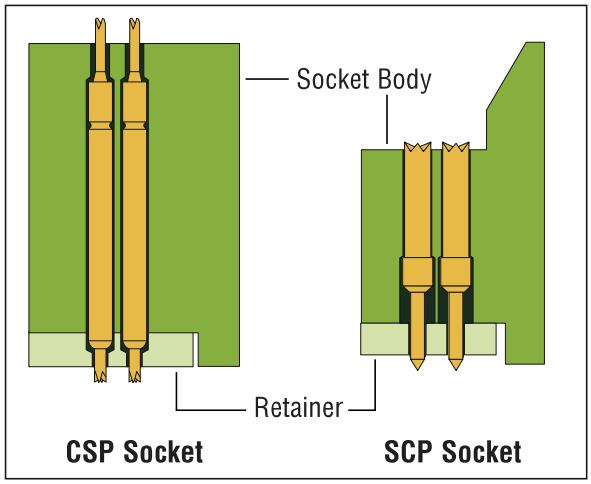
CSP4

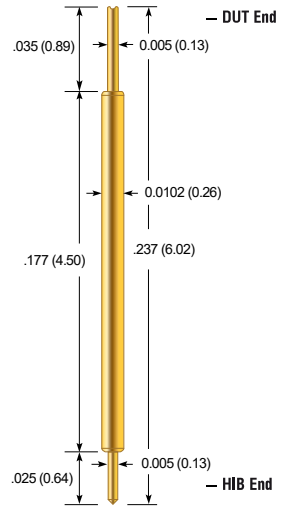
0.40 mm

Socket Design Considerations

- CSP series is captured between the socket body and retainer plate, with the barrel fixed in place.
- SCP Socket series is captured between the socket body and retainer plate, with the barrel sliding freely counter bore.
- Counter bore should not be too deep, and enable a minimum amount of preload against interface board.
- Body height and device cavity should be designed to prevent probe from being compressed shorter than test height.



CSP4-17



Mechanical

Pitch:	.016 (0.40)
Recommended Travel:	.020 (0.51)
Full Travel:	.025 (0.64)
Test Height:	.217 (5.51)
Mechanical Life*:	250,000 cycles
Operating Temperature:	-55°C to +105°C
Spring Force in oz. (grams):	0.85 (24)

Electrical (Static Conditions)

Current Rating:	2.0 amps
Average DC Probe Resistance**:	<100 mOhms
Self Inductance (Ls):	1.71 nH
Capacitance (Cc):	0.58 pF
Bandwidth @ -1dB:	6.8 GHz

Materials and Finishes

Plunger DUT:	Heat-treated Steel, Gold plated over hard Nickel
Plunger HIB:	Heat-treated Steel, Gold plated over hard Nickel
Barrel:	Work-hardened Phosphorous Bronze, Gold plated over hard Nickel
Spring:	Music Wire, Gold plated

Tip Style - DUT / HIB

B	L		
			

S= STEEL

* Life specifications are based on lab results but are dependent on cleaning frequency and the specific customer application, including DUT materials, handler kit, maintenance, etc.
** Contact resistance will increase over time due to solder build-up and wear

Dimensions in inches (millimeters). Specifications subject to change without notice.
Consult factory for other temperature requirements, and applications below -40°C.
Stocking Disclaimer: Stocking levels for part numbers listed in this catalog are subject to change.
Availability is based on current levels of usage and demand.