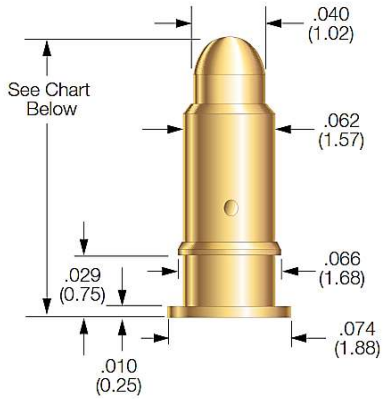
ADMATI Agencies

SPRING PINS, PROBES, AND CONNECTORS PROGRAM

C Series – 2.54 Centers

Surface Mount



Pin Specifications

Minimum Centers: 2.54 mm

Current Rating (continuous):

"C" Ground:	10 amps
"C" Power:	10 amps
"C" Signal:	0.5 amp

Typical Resistance:

"C" Ground:	<10 mΩ
"C" Power:	<10 mΩ
"C" Signal:	<60 mΩ

Working Travel:

"C4" Ground:	1 mm
"C4" Power:	0.71 mm
"C4" Signal:	0.71 mm
"C6" Ground:	2.50 mm
"C6" Power:	2 mm
"C6" Signal:	2 mm

Maximum Travel:

"C4" Ground:	1 mm
"C4" Power:	0.71 mm
"C4" Signal:	0.71 mm
"C6" Ground:	2.50 mm
"C6" Power:	2 mm
"C6" Signal:	2 mm

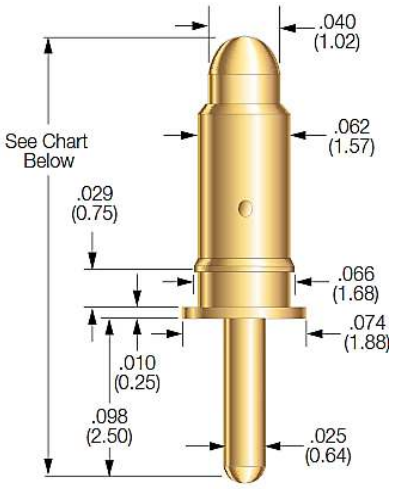
Overall Length:

"C4" Ground:	5 mm
"C4" Power:	4.70 mm
"C4" Signal:	4.70 mm
"C6" Ground:	8.50 mm
"C6" Power:	8 mm
"C6" Signal:	8 mm

How to Order

"C4" Ground:	BC201367AD
"C4" Power:	BC201370AD
"C4" Signal:	BC201373AD
"C6" Ground:	BC201394AD
"C6" Power:	BC201397AD
"C6" Signal:	BC201400AD

Thru Hole



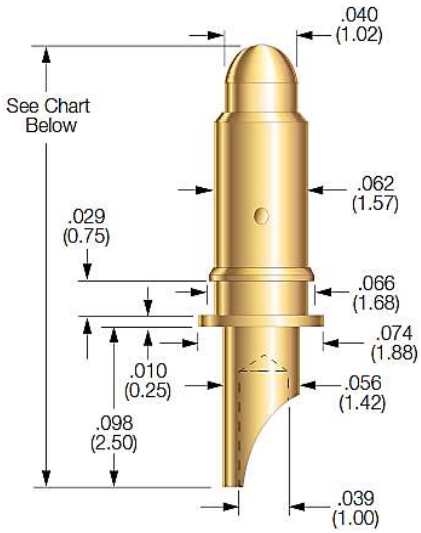
Overall Length:

"C4" Ground:	7.50 mm
"C4" Power:	7.20 mm
"C4" Signal:	7.20 mm
"C6" Ground:	11 mm
"C6" Power:	10.50 mm
"C6" Signal:	10.50 mm

How to Order

"C4" Ground:	BC201358AD
"C4" Power:	BC201361AD
"C4" Signal:	BC201364AD
"C6" Ground:	BC201385AD
"C6" Power:	BC201388AD
"C6" Signal:	BC201391AD

Solder Cup



Materials

Barrel: Brass, gold plated
Spring: Stainless steel
Plunger:
Ground: Brass, gold plated
Power: Brass, gold plated
Signal: Brass, Duralloy™ plated

Recommendations:
Mounting Hole: 1.62/1.65 mm
Pad size for SMT: 2.20 mm
S/C wire gage: 20 ga. Max
TH drill size: 0.89 mm

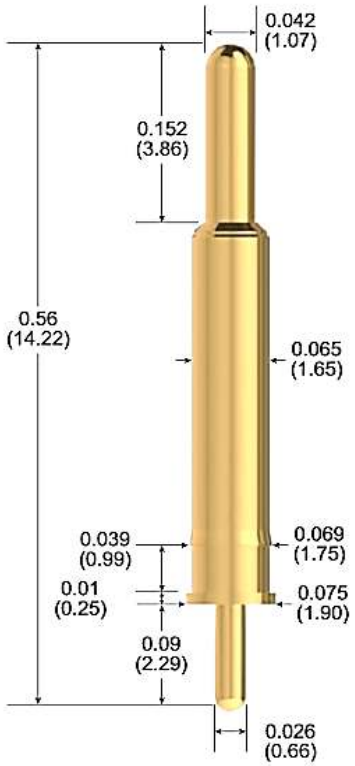
Overall Length:

"C4" Ground:	7.50 mm
"C4" Power:	7.20 mm
"C4" Signal:	7.20 mm
"C6" Ground:	11 mm
"C6" Power:	10.50 mm
"C6" Signal:	10.50 mm

How to Order

"C4" Ground:	BC201376AD
"C4" Power:	BC201379AD
"C4" Signal:	BC201382AD
"C6" Ground:	BC201403AD
"C6" Power:	BC201406AD
"C6" Signal:	BC201409AD

BC201512AD



Pin Specification

Minimum Centers:	2.54 mm
Current Rating:	3 amps continuous
Spring Force:	102g @ 1.52 mm travel
	77g @ 1.52 mm travel
Typical Resistance:	< 50 mΩ
Maximum Travel:	3.05 mm
Working Travel:	1.52 mm

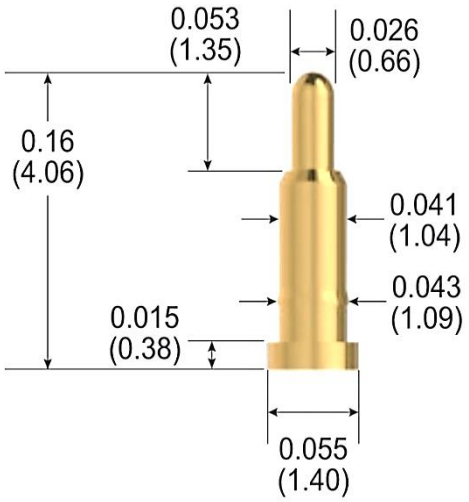
Materials

Barrel: Brass, gold plated
Spring: Stainless steel
Plunger: Brass, gold plated

How to order

BC201512AD – for spring force102 gr
BC201512-77AD – for spring force 77 gr

BC201515AD



Pin Specification

Minimum Centers:	1.78 mm
Current Rating:	1 amp continuous
Spring Force:	71g @ 1.07 mm travel
Typical Resistance:	< 50 mΩ
Maximum Travel:	1.27 mm
Working Travel:	1.07 mm

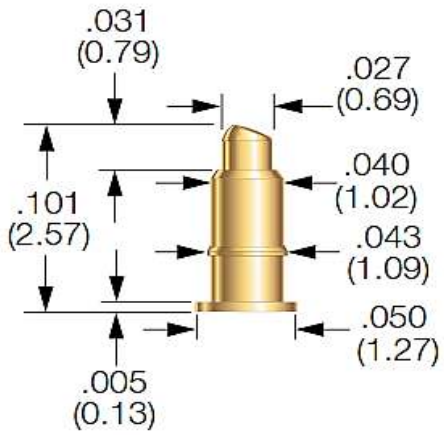
Materials

Barrel: Brass, gold plated
Spring: Stainless steel
Plunger: Full-hard beryllium copper, gold plated

How to order

BC201515AD

BC201352AD



Pin Specification

Minimum Centers:	1.78 mm 1.27 mm staggered rows
Current Rating:	20 amps continuous
Spring Force:	48g @ 0.76 mm travel
Typical Resistance:	< 10 mΩ
Maximum Travel:	0.76 mm
Working Travel:	0.76 mm

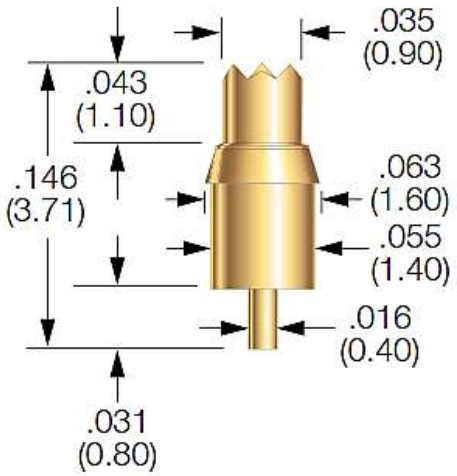
Materials

Barrel: Brass, gold plated
Spring: Stainless steel
Plunger: Beryllium copper, gold plated

How to order

BC201352AD

BC201343AD



Pin Specification

Minimum Centers:	2.03 mm
Current Rating:	1 amp continuous
Spring Force:	99g @ 0.51 mm travel
Typical Resistance:	< 10 mΩ
Maximum Travel:	0.99 mm
Working Travel:	0.51 mm

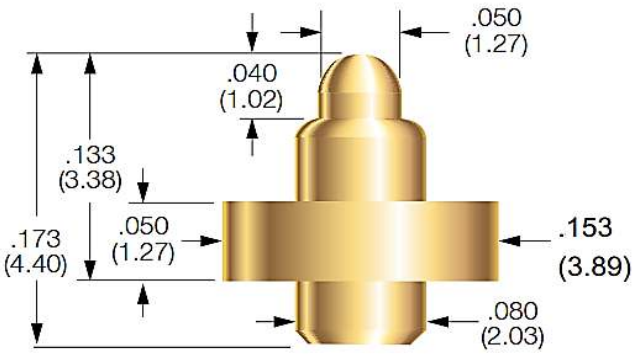
Materials

Barrel: Brass, gold plated
Spring: Stainless steel
Plunger: Beryllium copper, gold plated

How to order

BC201343AD

BC201307AD



Pin Specification

Minimum Centers:	4.45 mm
Current Rating:	3 amps continuous
Spring Force:	145g @ 0.69 mm travel
Typical Resistance:	< 10 mΩ
Maximum Travel:	1.02 mm*
Working Travel:	0.69 mm

* Not recommended for use at maximum travel

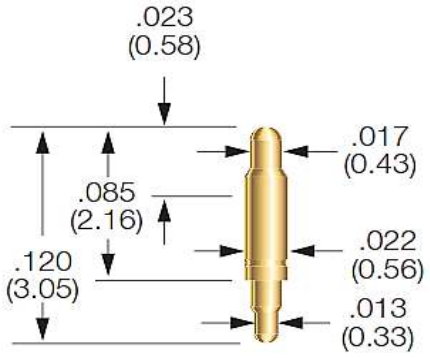
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel, gold plated
Plunger: Beryllium copper, gold plated

How to order

BC201307AD

BC201325AD



Pin Specification

Minimum Centers:	0.75 mm
Current Rating:	6 amps continuous
Spring Force:	43 @ 0.55 mm travel
Typical Resistance:	< 50 mΩ
Maximum Travel:	0.58 mm
Working Travel:	0.55 mm

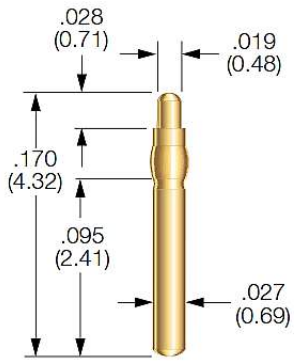
Materials

Barrel: Phosphor bronze, gold plated
Spring: Music wire, gold plated
Plunger: Phosphor bronze, gold plated

How to order

BC201325AD

BC201346AD



Pin Specification

Minimum Centers:	1.27 mm
Current Rating:	5 amps continuous
Spring Force:	39g @ 0.51 mm travel
Typical Resistance:	< 20 mΩ
Maximum Travel:	0.71 mm
Working Travel:	0.51 mm

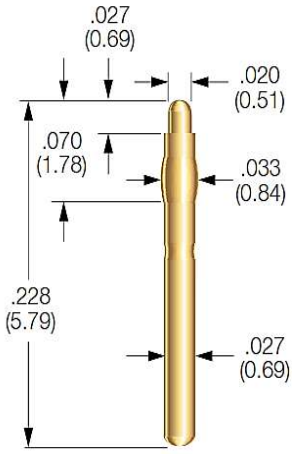
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel, gold plated
Plunger: Beryllium copper, gold plated

How to order

BC201346AD

BC201337AD



Pin Specification

Minimum Centers:	1.27 mm
Current Rating:	5 amps continuous
Spring Force:	26g @ 0.51 mm travel
Typical Resistance:	< 20 mΩ
Maximum Travel:	0.69 mm
Working Travel:	0.51 mm

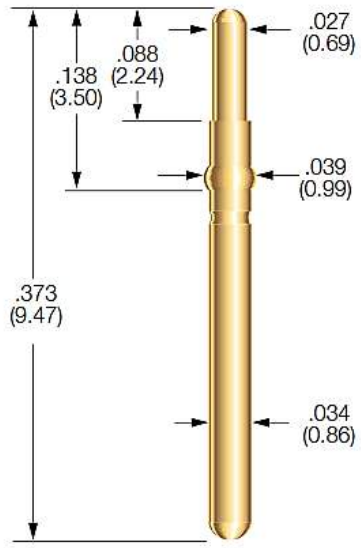
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel, gold plated
Plunger: Beryllium copper, gold plated

How to order

BC201337AD

BC201310



Pin Specification

Minimum Centers:	1.27 mm
Current Rating:	5 amps continuous
Spring Force:	34g @ 1.27 mm travel
	133g @ 1.27 mm travel
Typical Resistance:	< 50 mΩ
Maximum Travel:	1.52 mm
Working Travel:	1.27 mm

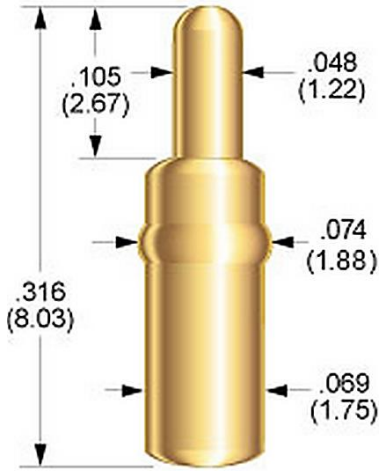
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel, gold plated
Plunger: Beryllium copper, gold plated

How to order

BC201310-1.2AD for 34g spring force
BC201310-4.7AD for 133g spring force

BC201331AD



Pin Specification

Minimum Centers:	2.54 mm
Current Rating:	15 amps continuous
Spring Force:	74g @ 1.70 mm travel
Typical Resistance:	< 6 mΩ
Maximum Travel:	2.54 mm
Working Travel:	1.70 mm

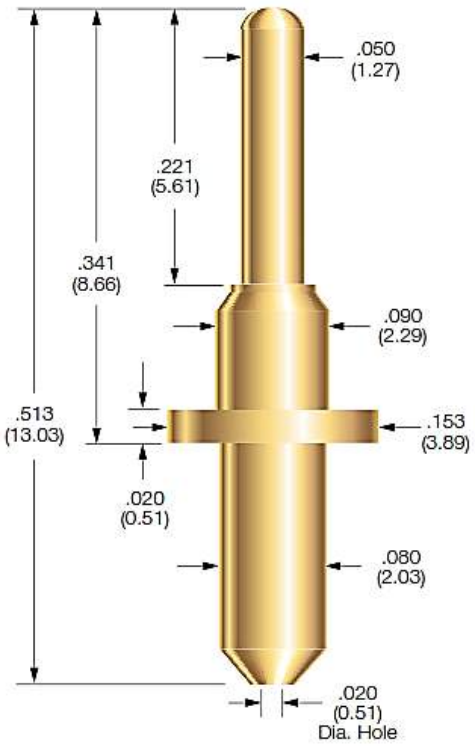
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel, gold plated
Plunger: Beryllium copper, gold plated

How to order

BC201331AD

BC201304AD



Pin Specification

Minimum Centers:	4.45 mm
Current Rating:	15 amps continuous
Spring Force:	176g @ 1.52 mm travel
Typical Resistance:	< 10 mΩ
Maximum Travel:	2.29 mm
Working Travel:	1.52 mm

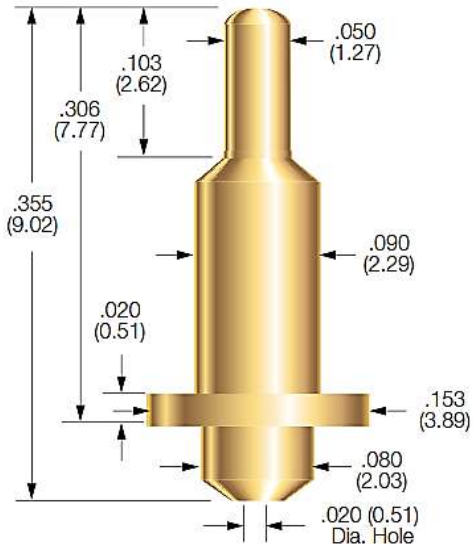
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel, passivated
Plunger: Beryllium copper, gold plated
Bias Ball: Stainless steel

How to order

BC201304AD

BC201316AD



Pin Specification

Minimum Centers:	4.45 mm
Current Rating:	15 amps continuous
Spring Force:	256g @ 1.70 mm travel
Typical Resistance:	< 5 mΩ
Maximum Travel:	2.54 mm
Working Travel:	1.70 mm

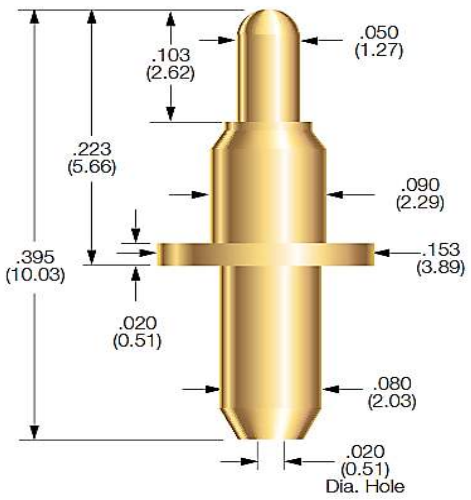
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel, gold plated
Plunger: Beryllium copper, gold plated

How to order

BC201316AD

BC201301AD



Pin Specification

Minimum Centers:	4.45 mm
Current Rating:	15 amps continuous
Spring Force:	176g @ 1.52 mm travel
Typical Resistance:	< 5 mΩ
Maximum Travel:	2.29 mm
Working Travel:	1.52 mm

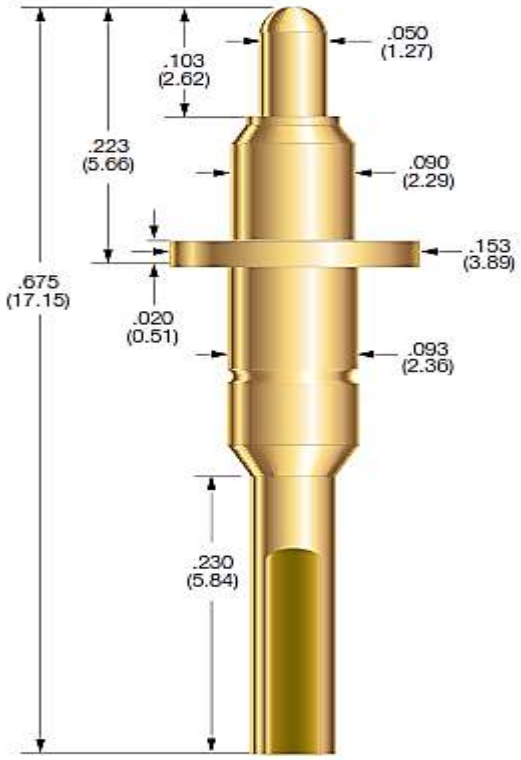
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel
Plunger: Beryllium copper, gold plated
Bias Ball: Stainless steel

How to order

BC201301AD

BC201328AD



Pin Specification

Minimum Centers:	4.45 mm
Current Rating:	15 amps continuous
Spring Force:	176g @ 1.52 mm travel
Typical Resistance:	< 10 mΩ
Maximum Travel:	2.29 mm
Working Travel:	1.52 mm

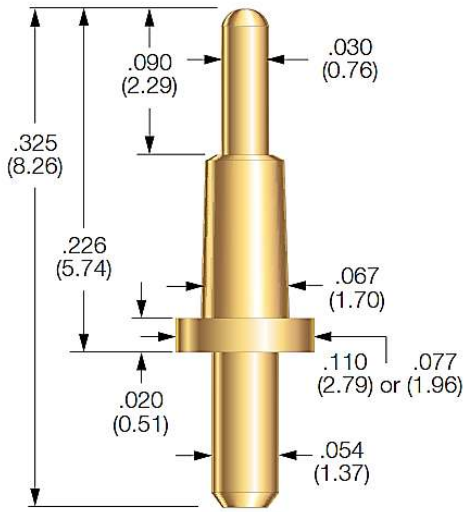
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel,
Plunger: Beryllium copper, gold plated
Bias Ball: Stainless steel
Receptacle: Nickel/silver, gold plated

How to order

BC201328AD

BC201319AD



Pin Specification

Minimum Centers:	3.18 mm
Current Rating:	10 amps continuous
Spring Force:	65g @ 1.52 mm travel
Typical Resistance:	< 10 mΩ
Maximum Travel:	2.29 mm
Working Travel:	1.52 mm

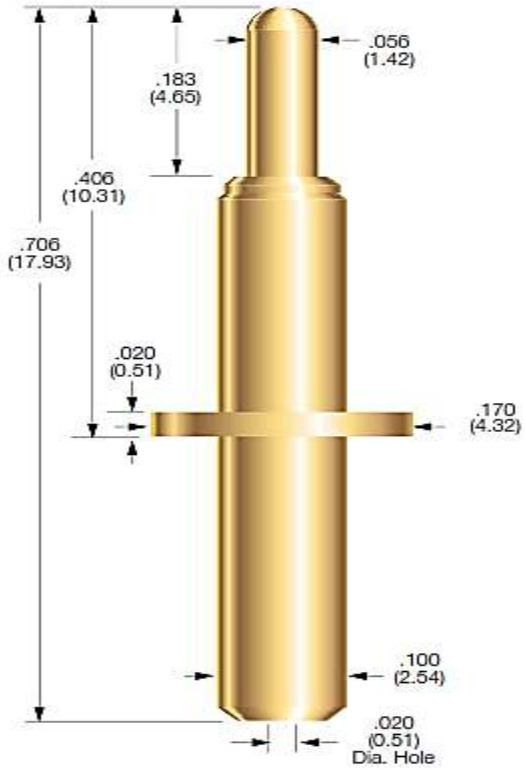
Materials

Barrel: Nickel/silver, gold plated
Spring: Stainless steel, passivated
Plunger: Beryllium copper, gold plated
Bias Ball: Stainless steel , gold plated

How to order

BC201319-.11AD for 2.794 mm flange
BC201319-.077D for 1.96 mm flange

BC201334AD



Pin Specification

Minimum Centers:	5.08 mm
Current Rating:	20 amps continuous
Spring Force:	332g@ 3.73 mm travel
Typical Resistance:	< 10 mΩ
Maximum Travel:	4.57 mm
Working Travel:	3.73 mm

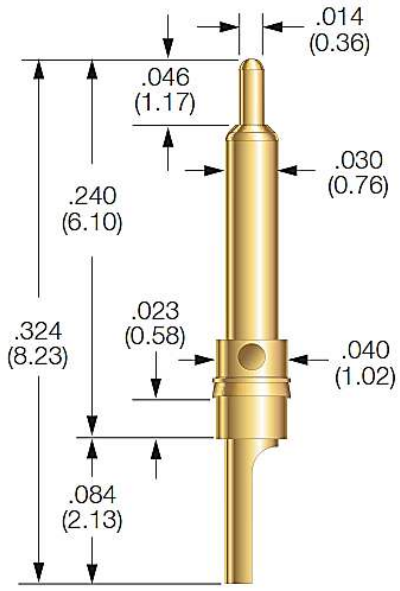
Materials

Barrel: Brass, gold plated
Spring: Stainless steel, passivated
Plunger: Beryllium copper, gold plated

How to order

BC201334AD

BC201415AD



Pin Specification

Minimum Centers:	1.40 mm
Current Rating:	3 amps continuous
Spring Force:	37g @ 0.58 mm travel
Typical Resistance:	< 25 mΩ
Maximum Travel:	0.58 mm
Working Travel:	0.58 mm

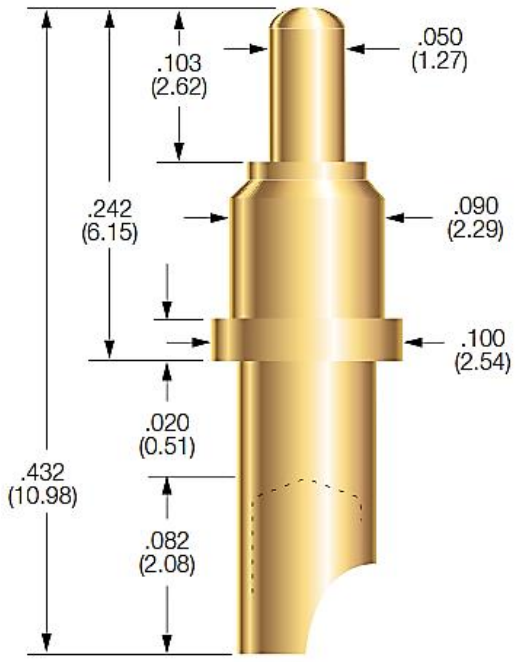
Materials

Barrel: Brass, gold plated
Spring: Stainless steel
Plunger: Brass, gold plated

How to order

BC201415AD

BC201412AD



Pin Specification

Minimum Centers:	3.18 mm
Current Rating:	25 amps continuous
Spring Force:	150g @ 1.02 mm travel
Typical Resistance:	< 5 mΩ
Maximum Travel:	1.02 mm
Working Travel:	1.02 mm

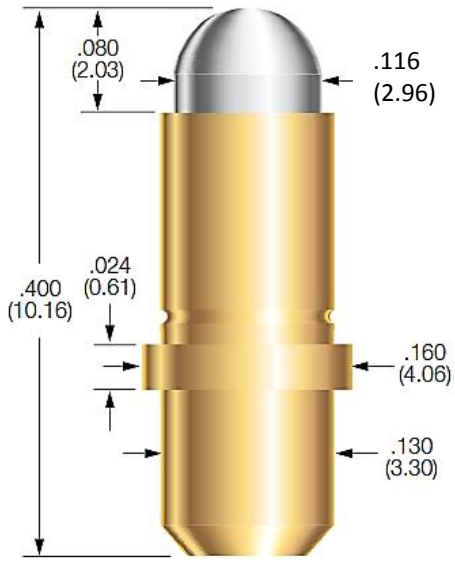
Materials

Barrel: Brass, gold plated
Spring: Music wire, nickel plated
Plunger: Beryllium copper, gold plated
Bias Ball: Stainless steel

How to order

BC201412AD

BC201340AD



Pin Specification

Minimum Centers:	4.45 mm
Current Rating:	20 amps continuous
Spring Force:	275g @ 1.27 mm travel
Typical Resistance:	< 10 mΩ
Maximum Travel:	2.03 mm
Working Travel:	1.27 mm

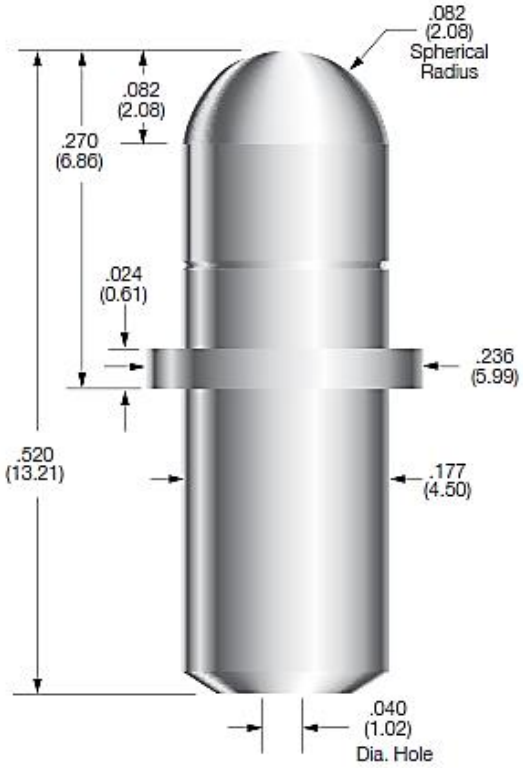
Materials

Barrel: Nickel silver, gold plated
Spring: Stainless steel, passivated
Plunger: Brass, Duralloy™

How to order

BC201340AD

BC201313AD



Pin Specification

Minimum Centers:	6.35 mm
Current Rating:	30 amps continuous
Spring Force:	252g @ 1.37 mm travel
Typical Resistance:	< 5 mΩ
Maximum Travel:	2.08 mm
Working Travel:	1.37 mm

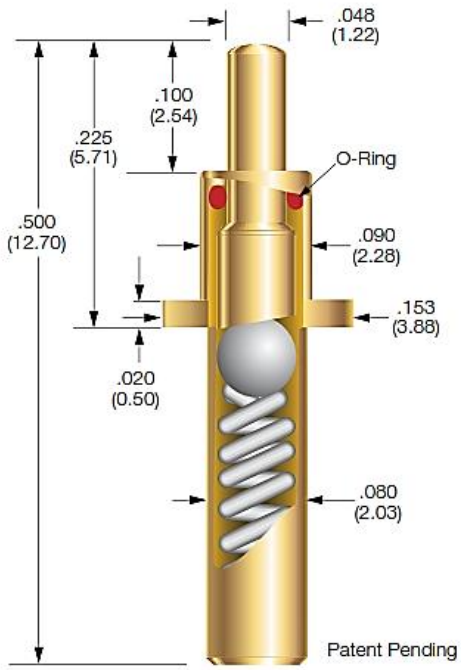
Materials

Barrel: Brass, Duralloy™ plated
Spring: Stainless steel, passivated
Plunger: Brass, Duralloy™

How to order

BC201313AD

BC201355AD



Pin Specification

Minimum Centers:	4.44 mm
Current Rating:	10 amps continuous (with 80° C rise)
Spring Force:	199g @ 1.77 mm travel
Typical Resistance:	< 10 mΩ
Maximum Travel:	2.54 mm
Working Travel:	1.77 mm

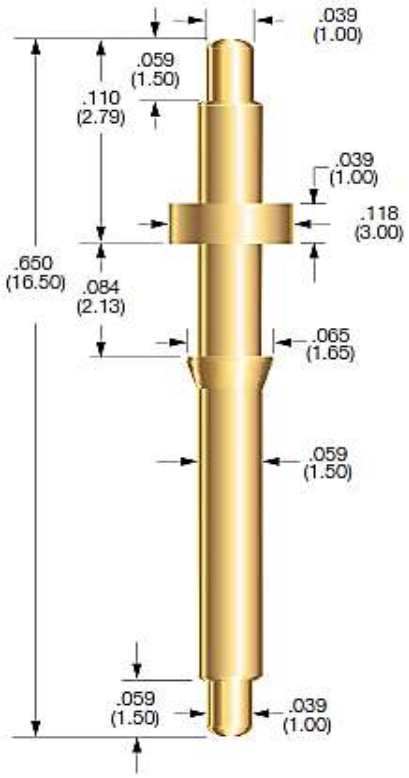
Materials

Barrel: Nickel silver, gold plated
Spring: Stainless steel
Plunger: Full-hard beryllium copper, gold plated
Bias Ball: Stainless steel
O-ring: Silicone
Cap & Plug: Stainless steel, gold plated

How to order

BC201355AD

BC201349AD



Pin Specification

Minimum Centers:	3.18 mm
Current Rating:	3 amps continuous (with 80° C rise)
Spring Force:	100g @ 1 mm travel
Typical Resistance:	< 50 mΩ
Maximum Travel:	1.50 mm
Working Travel:	1 mm

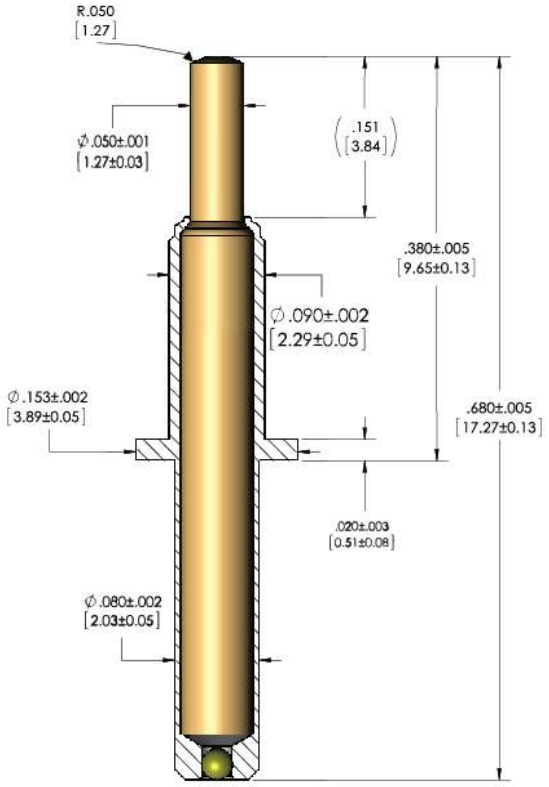
Materials

Barrel: Nickel silver, gold plated
Spring: Stainless steel
Plunger: Full-hard beryllium copper, gold plated

How to order

BC201349AD

BC201478AD



Pin Specification

Minimum Centers:	4.20 mm
Current Rating:	16 amps continuous (with 80° C rise)
Spring Force:	255g @ 2.97 mm travel
Typical Resistance:	< 5 mΩ
Maximum Travel:	3.81 mm
Working Travel:	2.97 mm

Materials

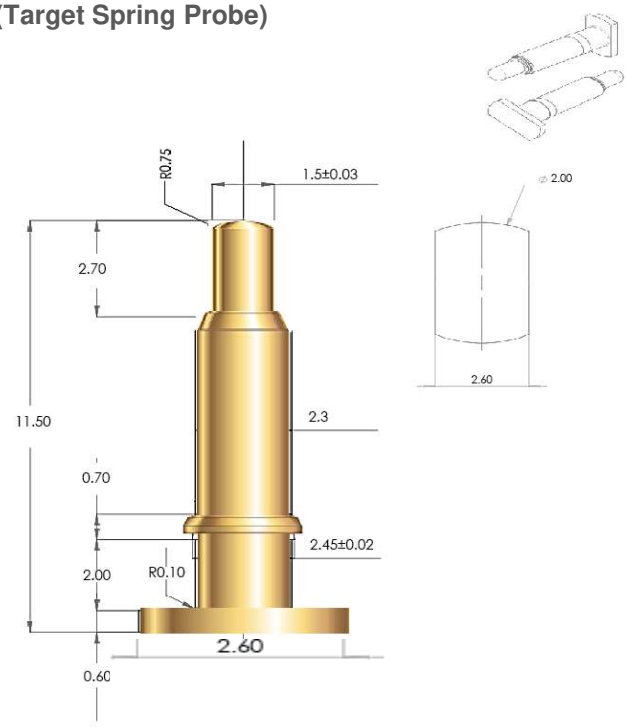
Barrel: Nickel silver, gold plated
Spring: Stainless steel
Plunger: Full-hard beryllium copper, gold plated
Bias Ball: Stainless steel
Ball, Seal - Stainless steel, gold plated

How to order

BC201478AD

BC201460AD

(Target Spring Probe)



Pin Specification

Minimum Centers:	3.18 mm
Current Rating:	3 amps continuous (with 80° C rise)
Spring Force:	235g @ 1.75 mm travel
Typical Resistance:	< 50 mΩ
Maximum Travel:	2.70 mm
Working Travel:	1.75 mm

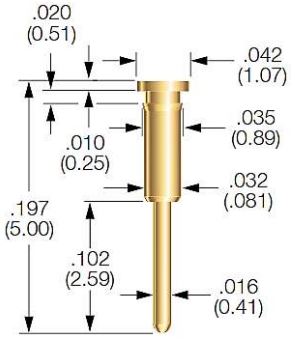
Materials

Barrel: Brass, gold plated
Spring: Stainless steel, gold plated
Plunger: Beryllium copper, gold plated

How to order

BC201460AD

TP 5328



Pin Specs.

Mounting Hole: 0.86 mm

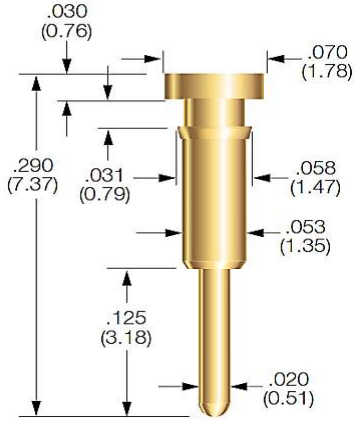
Materials

Body: Brass
Plating: Gold over nickel

How to Order

BC201439AD

TP 5329



Pin Specs.

Mounting Hole: 1.45 mm

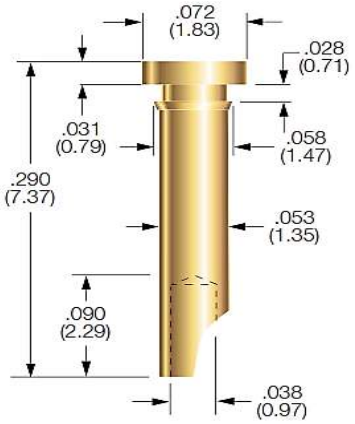
Materials

Body: Brass
Plating: Gold over nickel

How to Order

BC201442AD

TP 5327



Pin Specs.

Mounting Hole: 1.45 mm

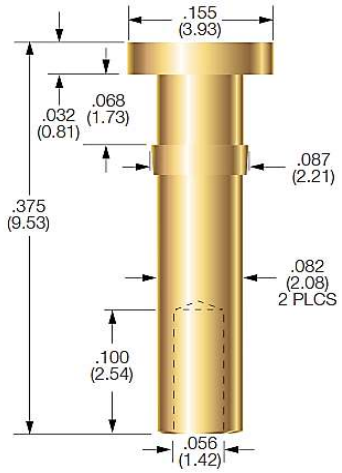
Materials

Body: Brass
Plating: Gold over nickel

How to Order

BC201436AD

TP 5330



Pin Specs.

Mounting Hole: 2.15 mm

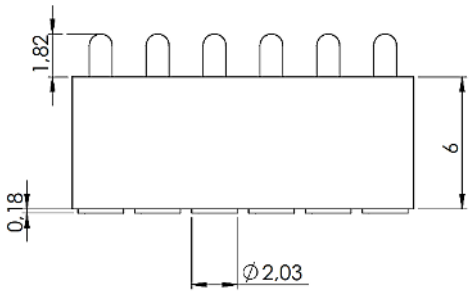
Materials

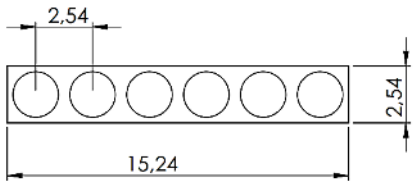
Body: Brass
Plating: Gold over nickel

How to Order

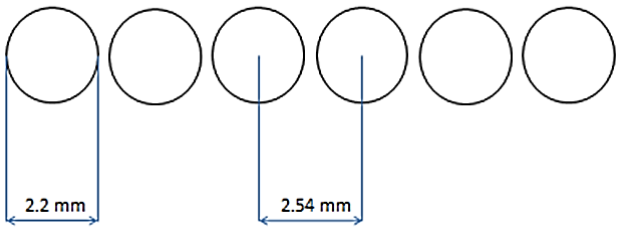
BC201445AD

H2014012AD





Footprint



Connectors' Specification

Usage: Power, RF, and signal
Pin Count: 6
Height: 6 mm
Current Rating: 12 amps continuous
Life cycle: 20,000 mating cycles
Centers: 2.54 mm
Maximum Travel: 1.82 mm
Working Travel: 1.82 mm
Typical Resistance: < 10 mΩ
Spring Force: 113.4 g for each pin

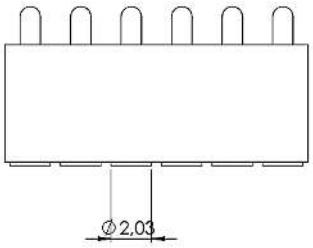
Materials

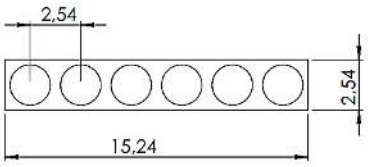
Header: Thermx (black glass filled polyester)
Barrel: Brass, gold plated
Spring: Stainless steel, gold plated
Plunger: Brass, gold plated

How to order

H2014012AD

6 Pin Headers





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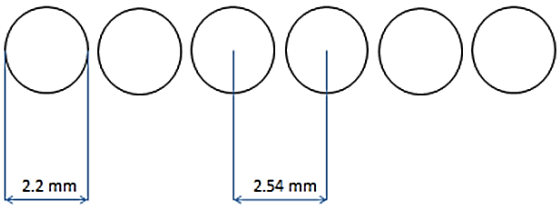


Connectors' Specification

Pin Count: 2, 3 , 4, 5, 6

Usage: Power, RF, and signal

Height: 4

Current Rating: 8 amps continuous

Typical Resistance: < 10 mΩ

Spring Force: 86g for each pin

Life cycle: 20,000 mating cycles

Materials

Header: ABS, Derlin
Barrel: Brass, gold plated
Spring: Stainless steel, gold plated
Plunger: Brass, gold plated

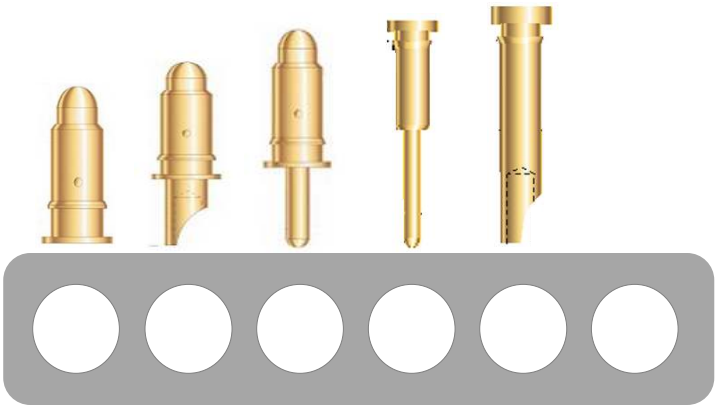
How to order

Please contact us

Modular Connectors

Admati's new line of modular connectors offer its customers the ease of configuring their own connectors specifically for their needs.
Admati's modular connectors, are based on IDI's "C" series and target pins and offer the unique advantage of requiring only a flat pad as their target, eliminating the need for a target connector. This greatly simplifies the design and allows for higher mechanical tolerances.
Admati's connectors provide a durable, shock and vibration resistant system. The spring contact probes can be used for power as well as for signal systems.

Available configurations are: 2 / 3 / 4 / 5 / 6 in plastic housing of 3 mm, 4 mm and 6mm height with 2.54 mm centers.



Connectors' Specification

Configuration: 2, 3, 4, 5, 6
Usage: Power, signal and ground. Can be combined
Target connectors
Connector Height: 3 mm, 4 mm, 6 mm

Materials

Based on chosen pins

How to order

Please contact us

Admati Agencies is an international trading company, specializing in components, sub-components, and sub-systems for the semi-conductor, medical, military and industrial industries. We are committed to supplying our customers with the best service, whether it is technical support, on-time delivery, or special customizations always adding value to our customers.

Among the exclusive lines and companies we represent, you can find:

- Mill. Sta. Connectors

- Spring probes, pins, and custom connectors

- Advanced spring pins miniature hi-density connectors

- TK Manufacturing, Membranes, and Touch Panels

- CNC High precision engineering

- Rigid Flex, Flex, and Rigid PCBs

Contact Us Today To See How We Can Serve You!