

Pogo Pin Connectors

- Single Pins
- Connector Modules
- Customized Connectors



C.C.P. CONTACT PROBES

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High-Precision Interconnect Solutions for the Future of Electronics, Robotics, and Mobility.

C.C.P. Contact Probes Co., Ltd. is a global innovator in contact probes, pogo pins, and advanced spring-loaded interconnect solutions.

Since 1986, we have powered the world's leading electronics brands including Apple and Amazon—with reliable, high-precision components engineered for next-generation devices.

Backed by strong R&D and a commitment to continuous innovation, we deliver connectivity solutions that set new standards in performance and quality. Publicly listed on the Taiwan Stock Exchange since 2001, C.C.P. now operates across the U.S., China, Germany, India, Japan, and Singapore, supporting customers worldwide with fast, flexible, and future-ready technologies.

Selected Customers

FOXCONN

Google

MICROCHIP

Kingston
COMMITTED TO MEMORY

ADVANTEST



flex

amazon



Microsoft



SKYWORKS

KYMCO

VOLVO

ZEBRA

SONY

MI

Meta

RIVIAN

BOSE



gogoro

fitbit

GARMIN

intel

ASUS

NEC

YAMAHA

SAMSUNG

ABOUT US

Introduction

History

2025

Vietnam Automated Manufacturing Plant / Office Completion

2024

Investment Maansgan Grande Electronics

2023

Capacity Expansion JinJiang Plant / Veitman Subsidiary

2021

Stamping Plant Established / ISO 13485

2020

C.C.P. Korea Established /
High Speed Network Cable Product Line

2019

C.C.P. Japan, Singapore & India Established

2018

C.C.P. Germany Established

2016

High Current Connector Product Line

2014

C.C.P. USA Established / IATF 16949 Certified

2003

Listed on Taiwan Stock Market (TW. 6217)

2000

C.C.P. Dongguan Factory Established

1983

C.C.P. Contact Probes Established

Company Culture



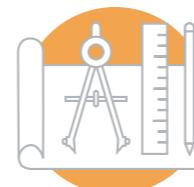
Yearly Home Visit



Employee's Children
Summer Camp



Tuition Subsidy
for Employee's Children



Over 40 Years of Product Development Experience
Servicing Industry-leading Clients

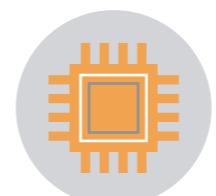


Agile and Flexible Design Process with Self-owned
Turning and Plating Factory



A Proven Track-record of Reliability, an Industry Certified Quality
Management System, and State-of-the-art Production Equipment

Product Lines



Testing
Solutions



Commercial
Connector Solutions



High Current
Connector Solutions



Industrial
Connector Solutions



Pogo Pin
Connector

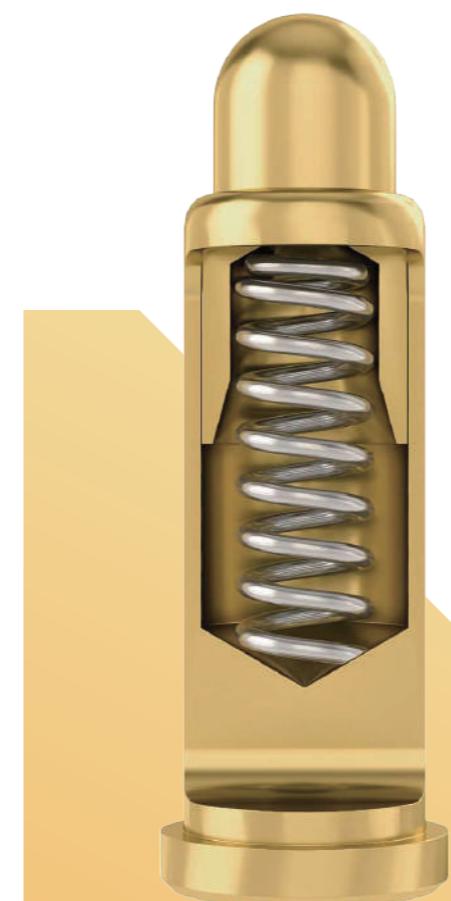
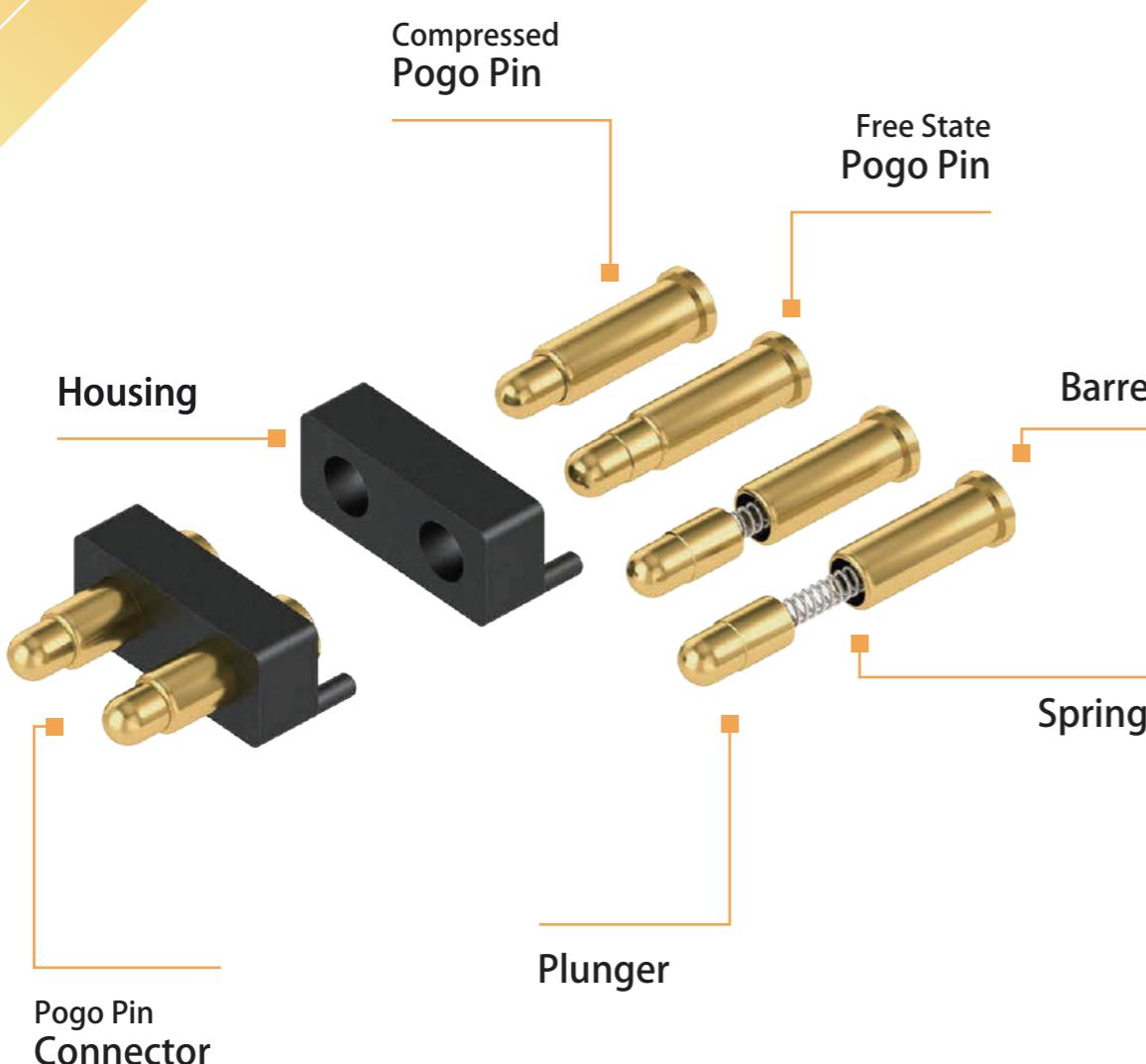


Magnesium
Alloy

POGO PIN INTRODUCTION

WHEN TO USE POGO PINS

Advantage



IMPROVED USER EXPERIENCE

Easy to plug-in, no accidental rip off of the cable.



STABLE CURRENT FLOW

Different pogo designs maximize the stability of the current flow, by increasing the number of contact points inside the pin.



SMALL VOLUMES POSSIBLE

Pogo pins are produced with high precision turning machines and don't require a mold as it is the case for other connectors that are using a stamping process.



LIMITED SPACE & HIGH CURRENT

The trend towards miniaturization in the electronics industry is continuing. No other connector has a better space to current ratio as a pogo pin.



SIMPLIFY ASSEMBLY AND SAVE COST

The complexity of today's electronics increases the assembly costs and difficulty significantly. Pogo pins not just reduce the manual labor time for inserting cables or pins, they also open up new design and arrangement options for industrial designers and engineers.



HIGH TOLERANCE

Small errors in the production often lead to unstable connectors as they are not properly touching the surface of their counterpart. Pogo pins allow extremely high tolerances in the production and thereby decreasing the likelihood for errors.



LONG LIFE-TIME

Pogo pins have a far superior life-time as compared to other connector types as they minimize the mechanical strain on the parts.

The current a pogo pin can carry depends largely on 3 factors:



Number of Contact Points

The ball design maximizes the number of contact points, thereby allowing a higher and more stable flow of current.



Spring Force

The higher the spring force, the better the plunger is pressed against the wall of the barrel, allowing a stable current flow.

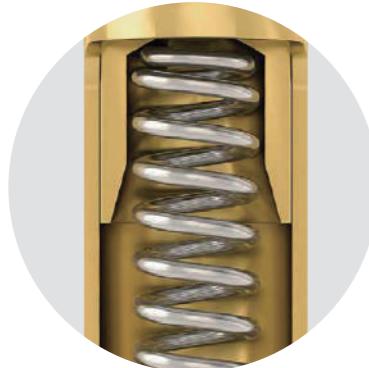


Material

Different material types can heavily influence the conductivity of the pin, but also the roughness is important to increase the current flow.

BACK DRILL

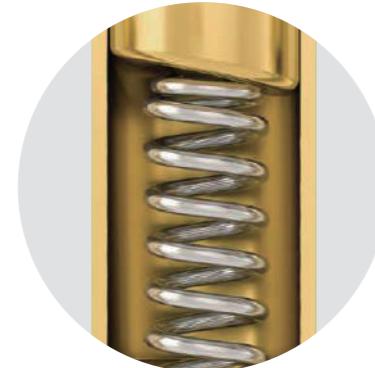
The drilled plunger creates extra space for the spring and allowing shorter pogo pin designs.



Pin Length: \approx 2.5 mm
Current: 1 A

BIAS TAIL

The biased tail of the plunger creates a lateral force and better contact.



Pin Length: \approx 3.5 mm
Current: 2 A

BALL

The ball inside stabilizes the contacting areas for a better performance.



Pin Length: \approx 4.5 mm
Current: 3~5 A

Housing

Polyoxyethylen (Standard)

PBT Polybutylene terephthalate
LCP Liquid-crystal polymers
HTN Polyphthalimide
PA10T

Ball

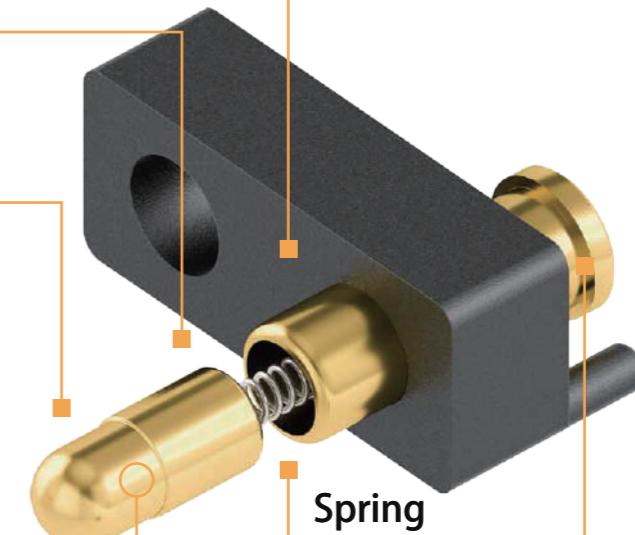
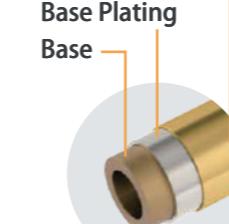
Stainless Steel

Plunger

Brass (Standard)

Beryllium Copper
Phosphor Bronze
SK4

Surface Plating
Base Plating
Base



Barrel

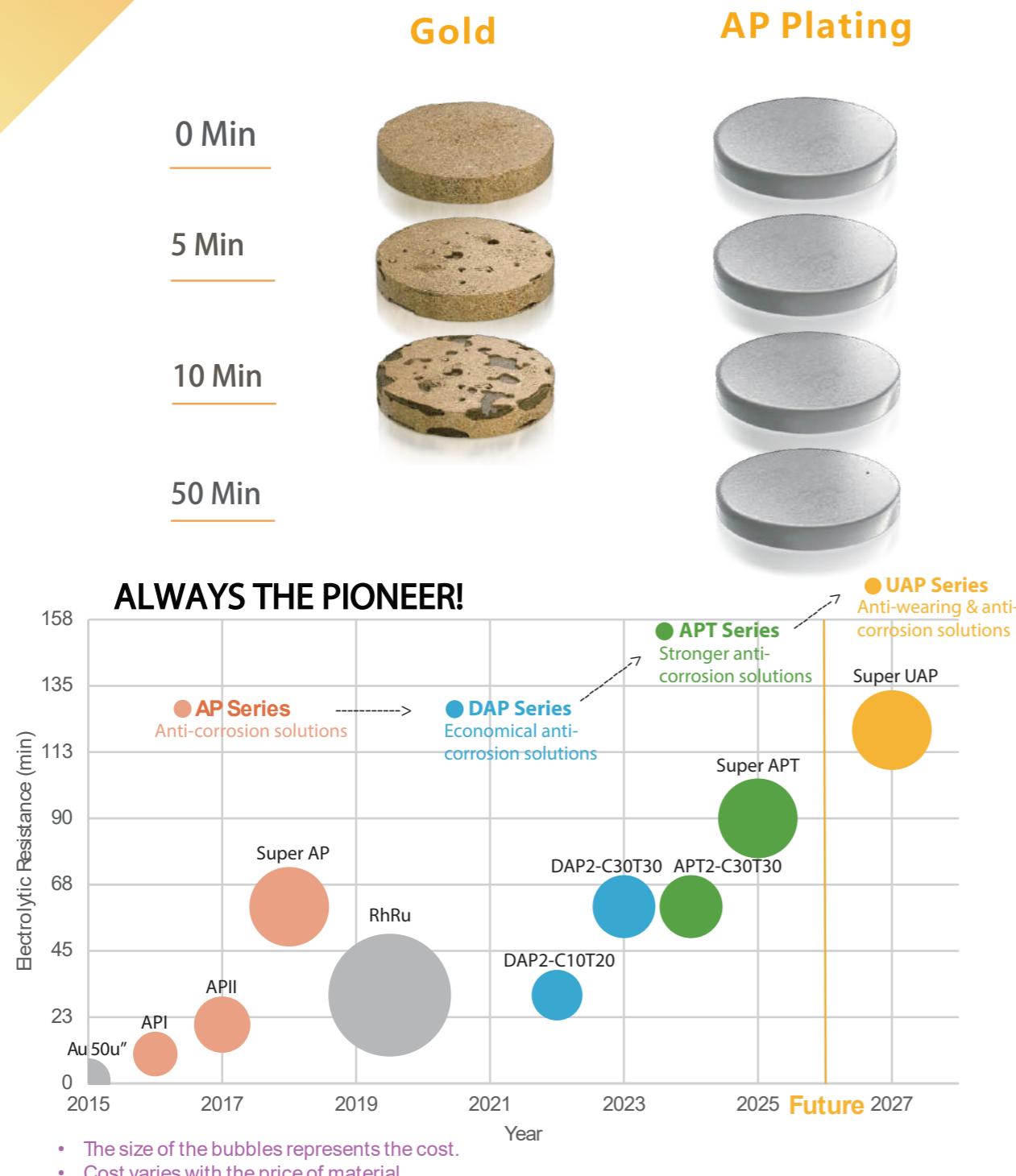
Brass (Standard)

Beryllium Copper
Phosphor Bronze

When should you use which surface plating?

Plating	Hardness (HV)	Function	Color
Gold	200	Low resistance	Gold
Super AP	400	Superior corrosion resistance, low electrical resistance	Silver
Nickel	150-200	Low cost, corrosion resistant	Silver
Palladium-Nickel	330-380	Improved signal transmission	Silver
Red Brass (CuSnZn)	600	Replace Nickel	Silver
Palladium Cobalt	450-600	Replace Pd-Ni	Silver
Palladium Cobalt	600-800	Black color requirement	Black

C.C.P.'s AP plating is the gold-standard of the industry. Its superior composition makes it extremely resistant to electrolytic corrosion while maintaining a very low resistance. The perfect solution for any kind electrical application.



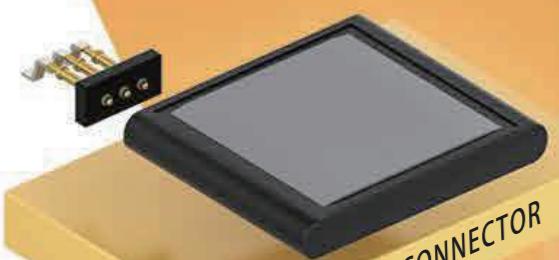
Understanding Galvanic Corrosion:

Galvanic corrosion occurs, when two different metals of different nobility get into close contact in the presence of an electrolyte such as water. Dissimilar metals have different electrode potentials which cause one of the metals to act as a cathode and the other as an anode. The resulting current flow is the main cause for the corrosion of the lesser noble (anode) metal. Acid or alkali environments, for example on human skin, can accelerate galvanic corrosion significantly and attack even metals such as gold and plating.

Plating Spec.	Test standard	Au(50u")	API	APII	Super AP	DAP2-C10T20	DAP2-C30T30	Super APT
Color	/	Gold	Silver	Silver	Silver	Silver	Silver	Silver
Impedance (mΩ)	EIA-364-23	<50	<50	<50	<50	<50	<50	<50
Surface Hardness (HV)	ISO 6507-1:2005	200	400	400	400	400	400	400
Salt Spray Resistance (HR)	EIA-362-26	>144	>48	>96	>168	>96	>168	>168
Artificial Sweat Resistance (HR)	ISO-3160-2:2015	>144	>48	>96	>168	>96	>168	>168
Electrolysis Resistance Time (Min)	5V Constant Voltage	<1	>5	>15	>60	>30	>60	>90



1
MEMORY CARD CONNECTOR



2

BATTERY CONNECTOR



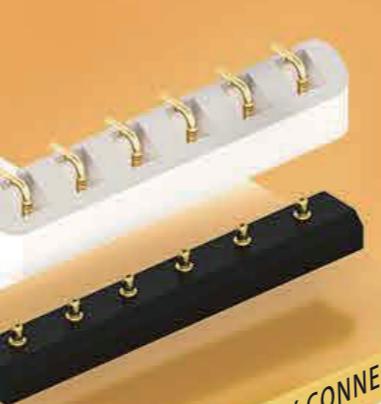
3

CHARGING WATER PROOF CONNECTOR



4

HIGH FREQUENCY CONNECTOR



5

BOARD TO BOARD CONNECTOR



6

MOVABLE CONNECTOR

POGO PIN APPLICATIONS

Spring loaded connectors can be used for a wide variety of applications. Their versatility make them true allrounders, from charging applications to high frequency signal transmission.

WATERPROOF CONNECTORS

BALL POINT CONNECTOR

O-RING

Waterproof: IPx8 at best



SEALING

Waterproof: IPx7 at best



INSERT MOLDING

Waterproof: IPx7 at best
No SMT Process Possible



DOES WATER HARM POGO PINS?

CCP's waterproof pogo pin connectors are designed to withstand any long and short term submersion in water. For very challenging environments we recommend our SuperAP Plating which can withstand the effects of Galvanic Corrosion up to 60 times longer.

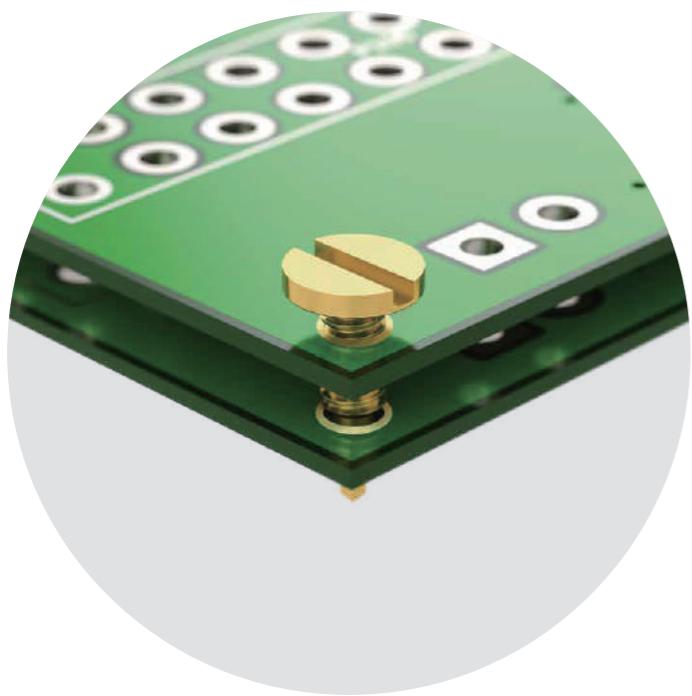
Keeping a stable connection to a moving target can be a challenge, as constant strain on the components can result in degradation of the materials and in worst case to a malfunction.

The Ball-Point Connector solves this problem by a radically new design that offers totally new engineering possibilities and a simplified assembly without cables.

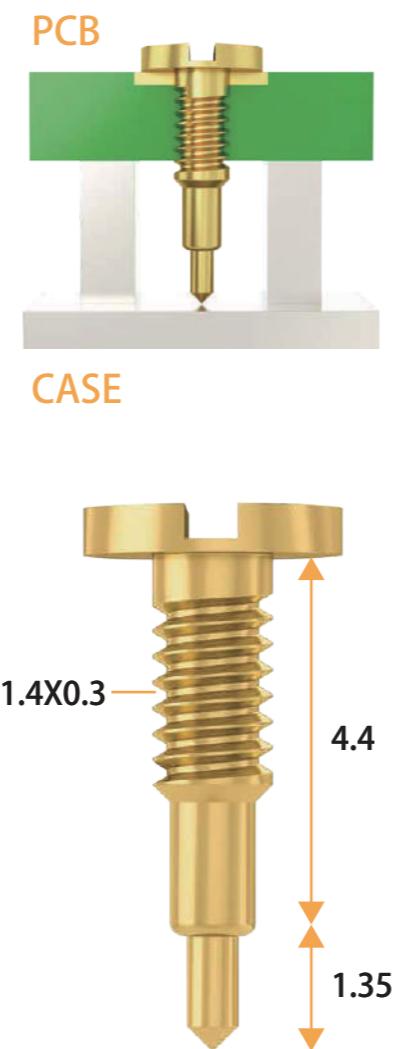


Diameter	Current	Durability
Min 1 mm	1A - 5A	Min 10'000 Compressions
Spring Force	Contact Resistance	Travel Distance
145g ± 20g	30 mΩ — 100 mΩ	Up to 25 km

SCREW PINS



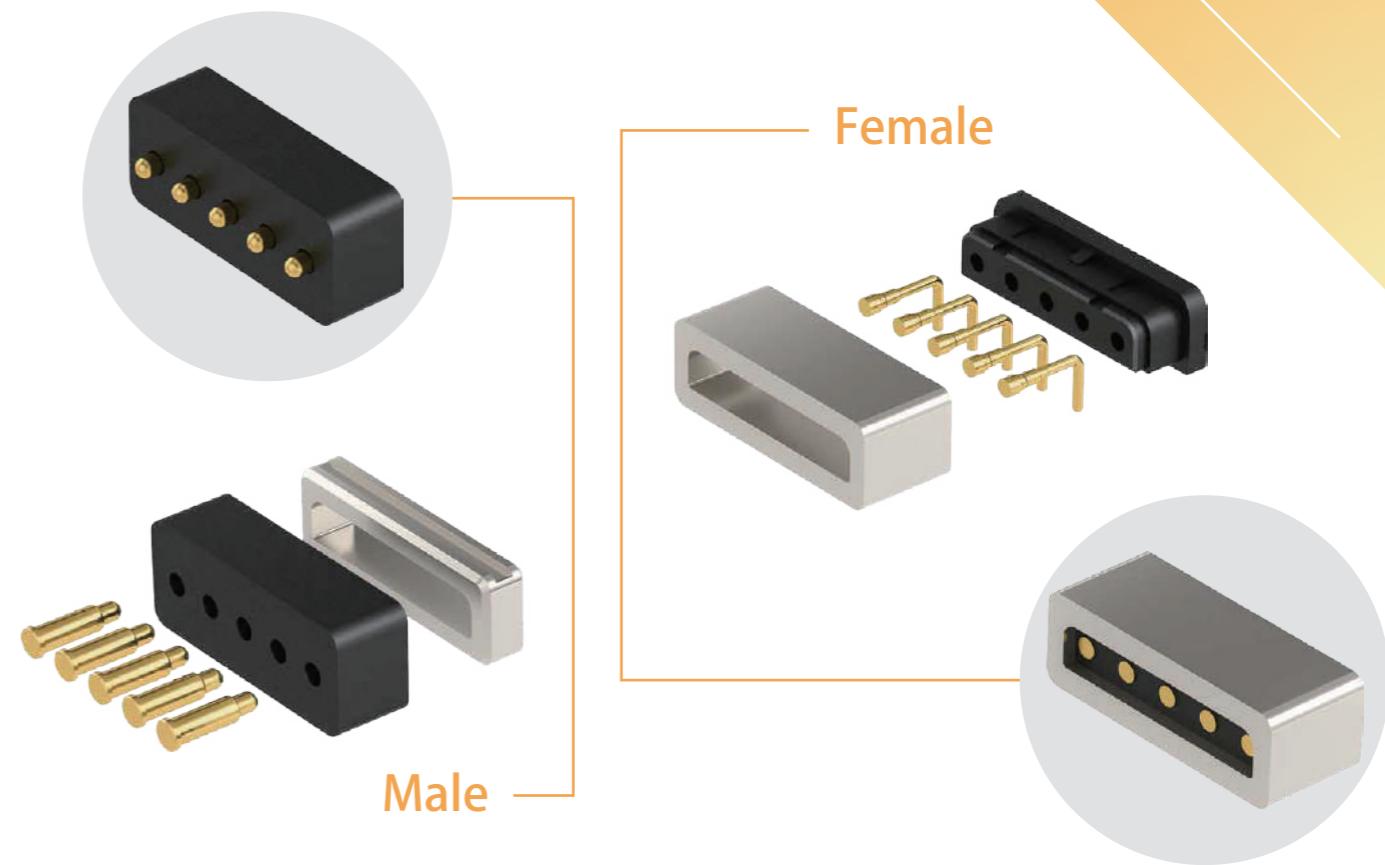
CCP's Screw Pin design is a smart way to utilize a pogo pin as a connector as well as a mounting part, reducing the assembly cost significantly and opening new design possibilities for industrial engineers.



Diameter	Current	Durability
3 mm	1A	10,000 compressions
Spring Force	Contact Resistance	
120g \pm 20g	200 m Ω	

MAGNETIC CONNECTORS

● Magnet ● Plastic Housing ● Pogo Pin

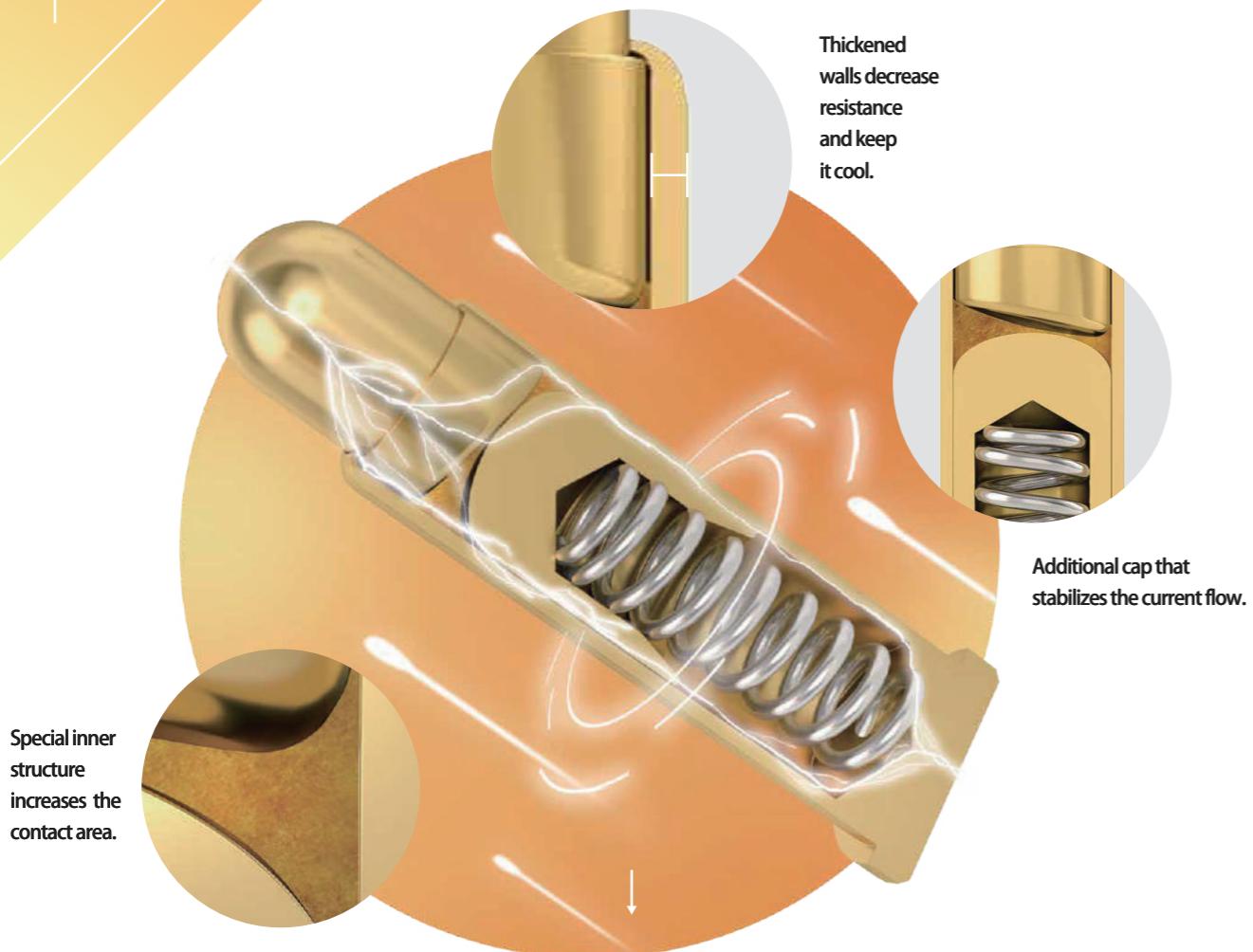


Assembly Options		
Metal injection molded housing	Two magnets	One magnet to metal

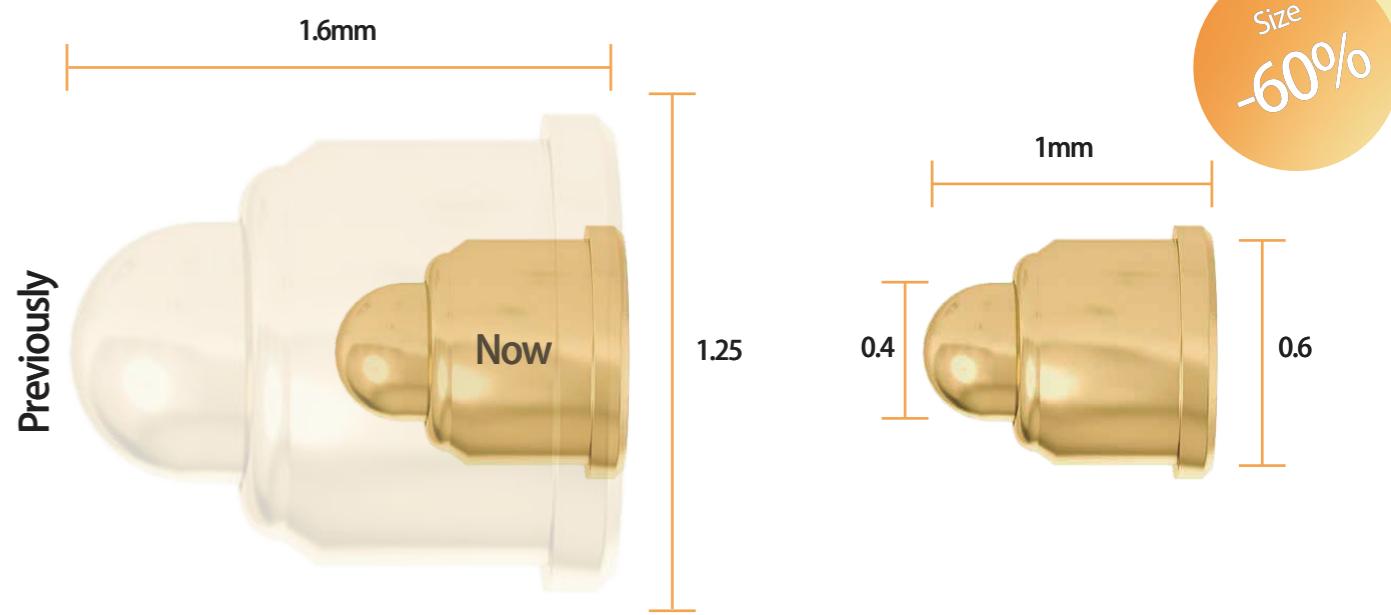
HIGH CURRENT PINS

ULTRA SMALL PINS

CCP's new high current designs takes Pogo Pins to a new level that is second to none in the industry.



Meet the smallest bias-cut pogo pin on the market today making even the most compact designs possible. The pin is so small, that you could fit over 100 pins on the tip of your finger.

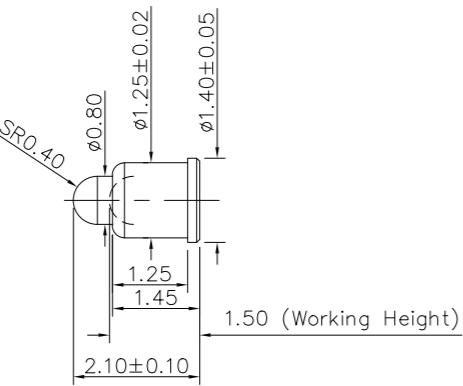


Diameter	Current	Durability
2.4 mm	13A	10.000 compressions
Spring Force	Contact Resistance	
120g \pm 20g	30 m Ω	

Diameter	Current	Durability
0.6 mm	1A	3,000 compressions
Spring Force	Contact Resistance	
25g	175 m Ω	

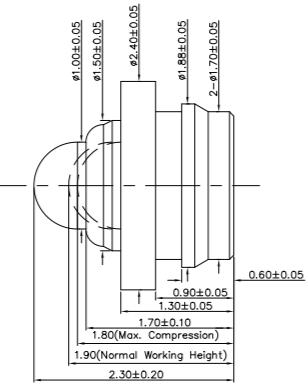
SINGLE PIN

SINGLE PIN



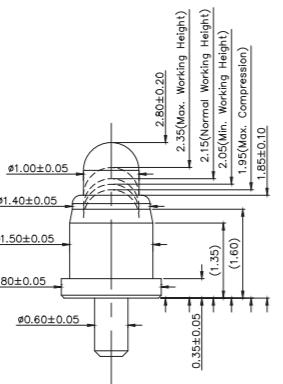
PN: H199M2-R

- Length: 2.10 mm
- Working Height: 1.50 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 100g±20%



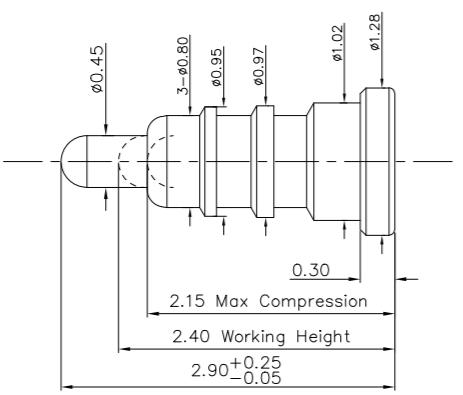
PN: P5271FP04

- Length: 2.30 mm
- Working Height: 1.90 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 80g±20g



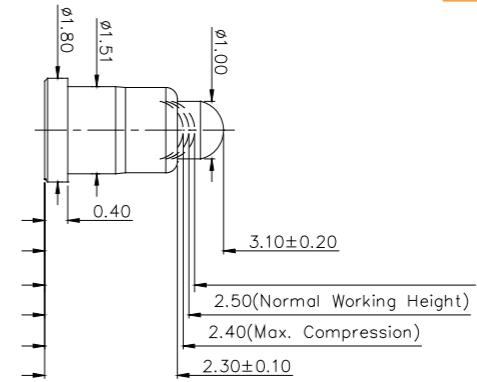
PN: P5625MF01-01A000CR

- Length: 2.80 mm
- Working Height: 2.15 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 40g±15g



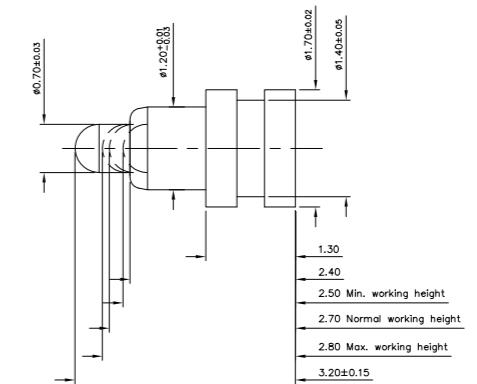
PN: P2988FH03

- Length: 2.90 mm
- Working Height: 2.40 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 60g±20g



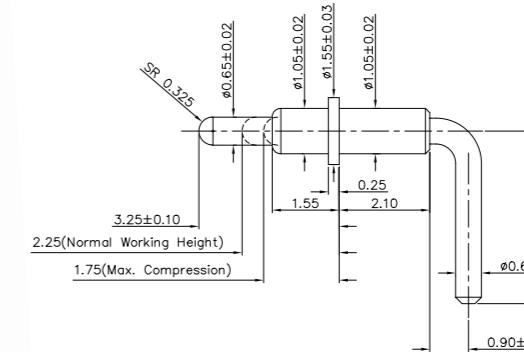
PN: P3198FH01

- Length: 3.10 mm
- Working Height: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 80g±20g



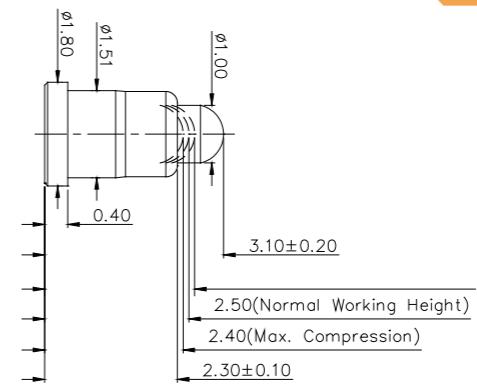
PN: P2616FH03

- Length: 3.20 mm
- Working Height: 2.70 mm
- Current: 1.5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 80g±20g



PN: P3533BP02

- Length: 3.25 mm
- Working Height: 2.25 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 80g±20g

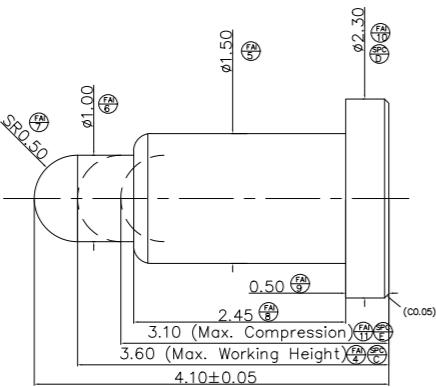


PN: P3775FH01

- Length: 4.00 mm
- Working Height: 3.45 mm
- Current: 1 Amp
- Contact Resistance: 200 mΩ
- Spring Force: 45g±10g

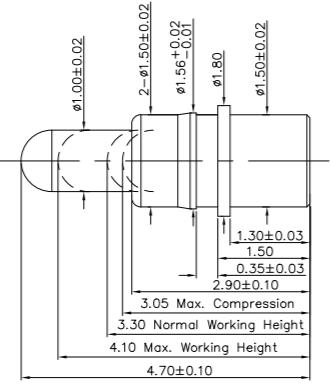
SINGLE PIN

SINGLE PIN



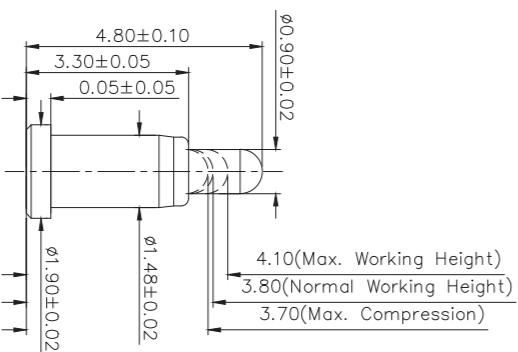
PN: P5067FP01-R

- Length: 4.10 mm
- Working Height: 3.60 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 100g±20%



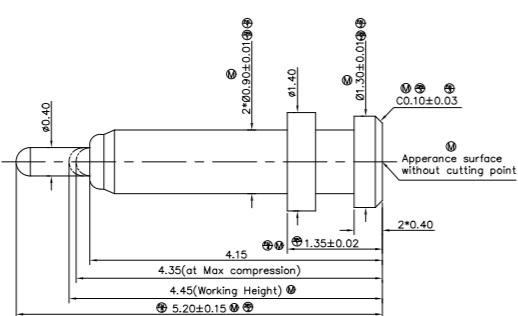
PN: P3697PP01

- Length: 4.70 mm
- Working Height: 3.30 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 60g±20g



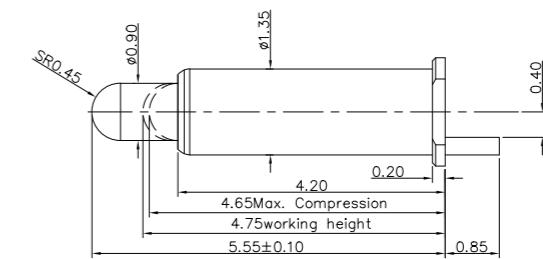
PN: P5660MF03-01A000CR

- Length: 4.80 mm
- Working Height: 3.80 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 70g±20g



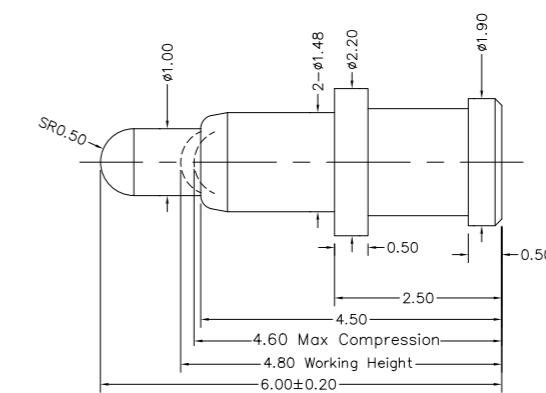
PN: P3989FH01

- Length: 5.20 mm
- Working Height: 4.45 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 65g±15%



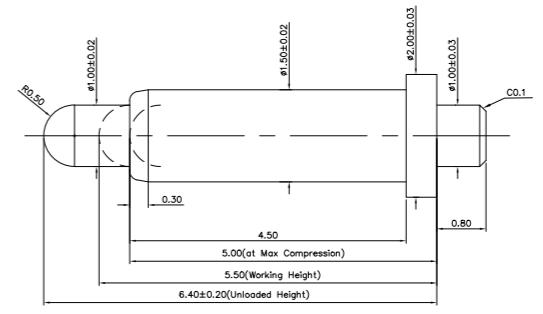
PN: P3730SH02

- Length: 5.50 mm
- Working Height: 4.75 mm
- Current: 5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20%



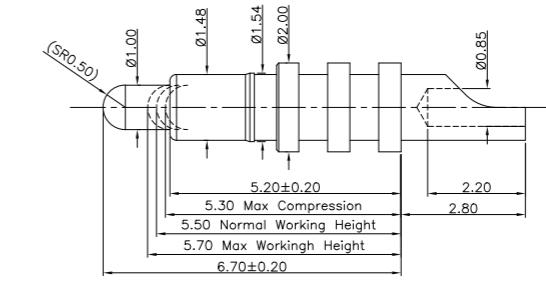
PN: P3256FH01

- Length: 6.00 mm
- Working Height: 4.80 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20g



PN: H024M0

- Length: 6.40 mm
- Working Height: 5.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20%

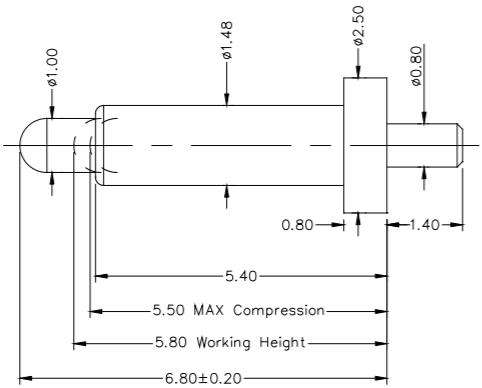


PN: P2859SH01

- Length: 6.70 mm
- Working Height: 5.50 mm
- Current: 5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%

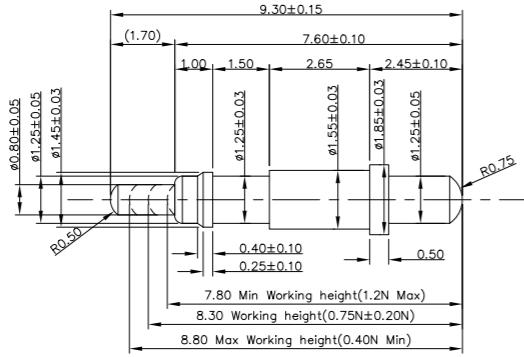
SINGLE PIN

SINGLE PIN



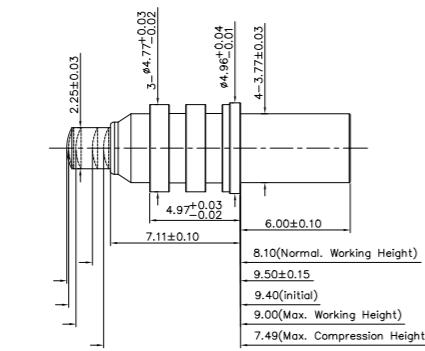
PN: P2871PH01

- Length: 6.80 mm
- Working Height: 5.80 mm
- Current: 3 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%



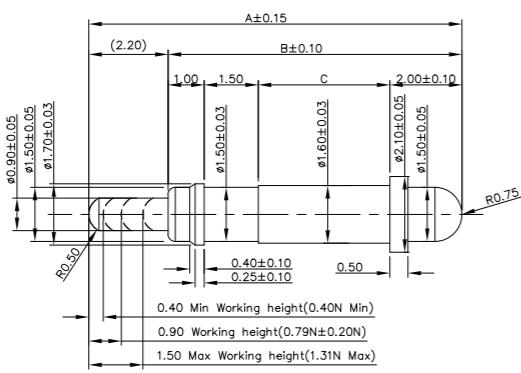
PN: P2631PH03

- Length: 9.30 mm
- Working Height: 8.30 mm
- Current: 2 Amps
- Contact Resistance: 100 mΩ
- Spring Force: 80g±20g



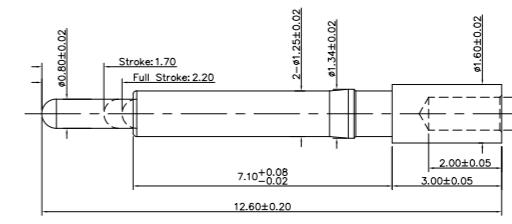
PN: P6123PH03

- Length: 9.50 mm
- Working Height: 8.10 mm
- Current: 5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 180g±20%



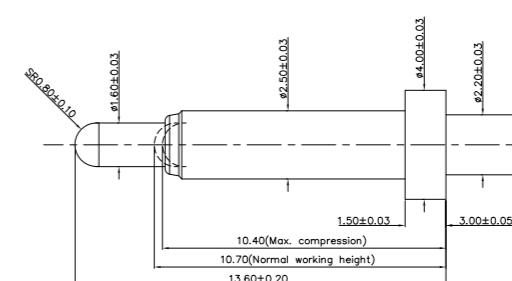
PN: P2683PH09

- Length: 10.05 mm
- Working Height: 0.90 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 60g±20%



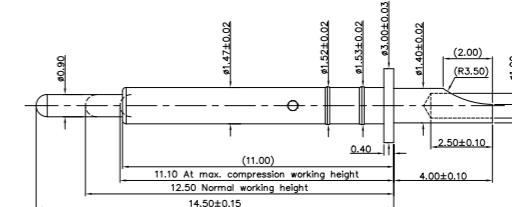
PN: P5773PH02

- Length: 12.60 mm
- Working Height: 2.20 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 80g±20g



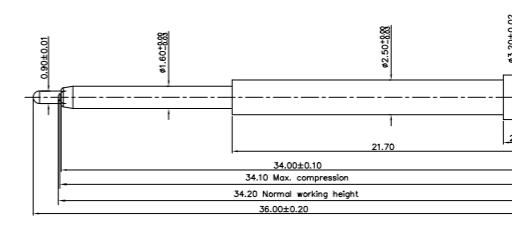
PN: P2783PH01

- Length: 13.60 mm
- Working Height: 10.70 mm
- Current: 5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 90g±20g



PN: P3737SH01

- Length: 14.50 mm
- Working Height: 12.50 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20%

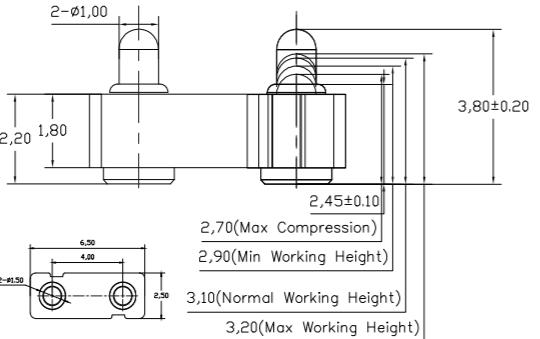


PN: P2977FH01

- Length: 36.00 mm
- Working Height: 34.20 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20%

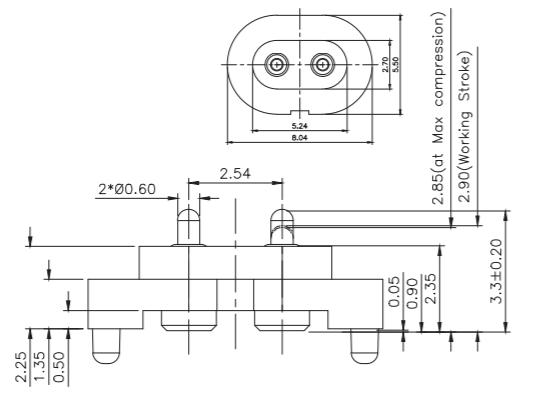
NON STANDARD CONNECTOR

2 PINS



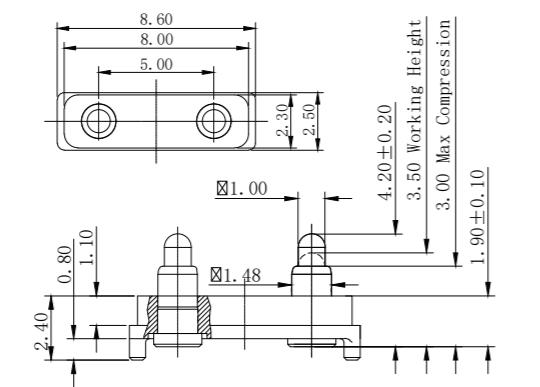
PN: F1106AA01-02A400MR

- Length: 3.80 mm
- Working Height: 3.10 mm
- Pitch: 4.00 mm
- Current: 1 Amps
- Contact Resistance: 100 mΩ
- Spring Force: 90g±20%



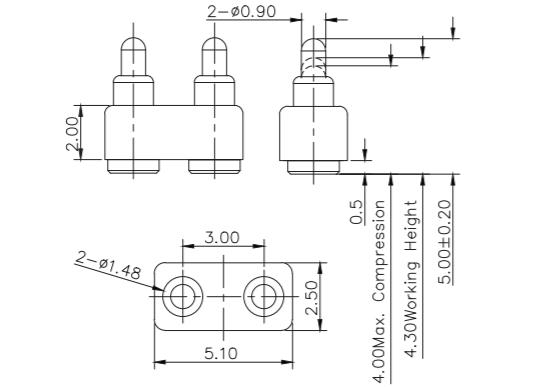
PN: P3013MF01-02F254MR

- Length: 3.30 mm
- Working Height: 2.90 mm
- Pitch: 2.54 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20g



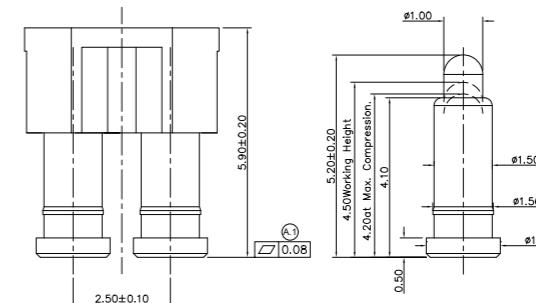
PN: F969AA01-02A500MR

- Length: 4.20 mm
- Working Height: 3.50 mm
- Pitch: 5.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20%



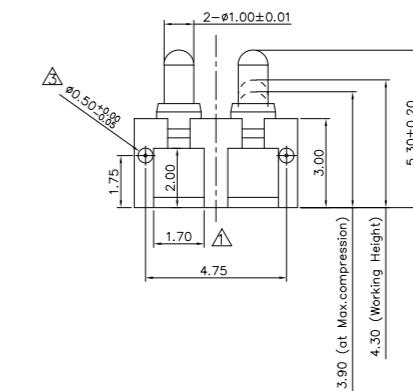
PN: P3708MF01-02F300MR

- Length: 5.00 mm
- Working Height: 4.30 mm
- Pitch: 3.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 60g±20g



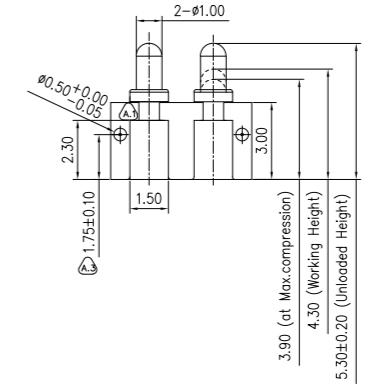
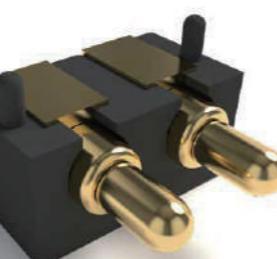
PN: F1835AA01-02A250CR

- Length: 5.20 mm
- Working Height: 4.50 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 60g±20g



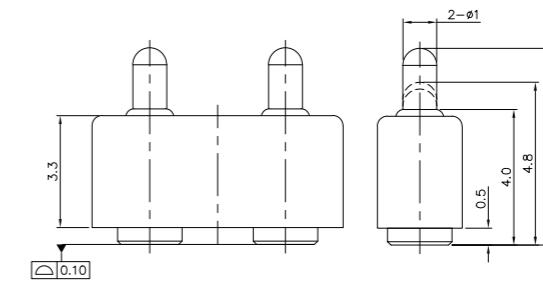
PN: H020M0-H02B250R

- Length: 5.30 mm
- Working Height: 4.30 mm
- Pitch: 2.50 mm
- Current: 2.5 Amps
- Contact Resistance: 100 mΩ
- Spring Force: 120g±20%



PN: H036M0-H02C250R

- Length: 5.30 mm
- Working Height: 4.30 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%

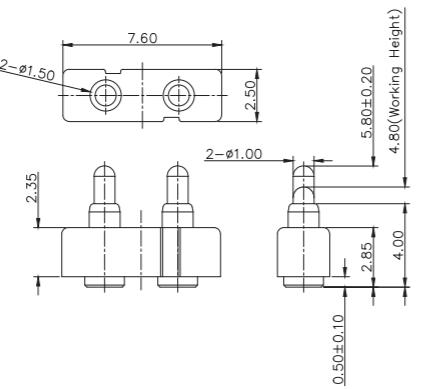


PN: N005M4-02A400HR

- Length: 5.80 mm
- Working Height: 4.80 mm
- Pitch: 4.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%

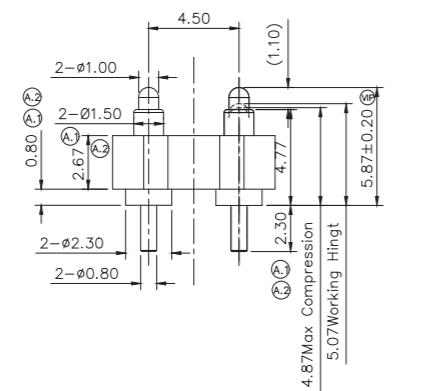
NON STANDARD CONNECTOR

2 PINS



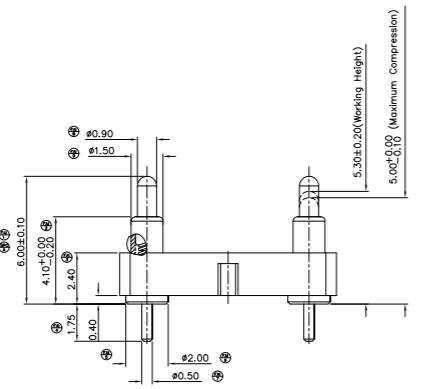
PN: N005M4-02C350MR

- Length: 5.80 mm
- Working Height: 4.80 mm
- Pitch: 3.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%



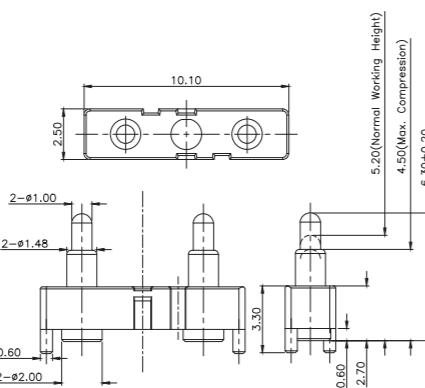
PN: P2688MP01-02G450MR

- Length: 5.87 mm
- Working Height: 5.07 mm
- Pitch: 4.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%



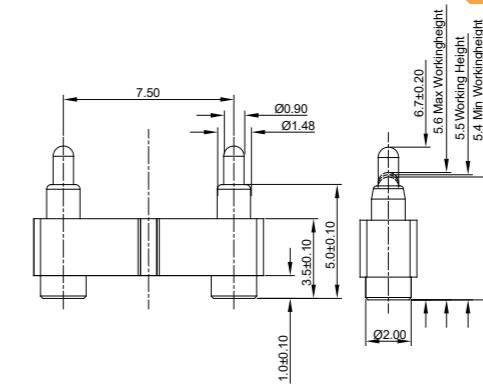
PN: P3721MP01-02A762HR

- Length: 6.00 mm
- Working Height: 5.30 mm
- Pitch: 2.54 mm
- Current: 2.5 Amps
- Contact Resistance: 30 mΩ
- Spring Force: 50g±20%



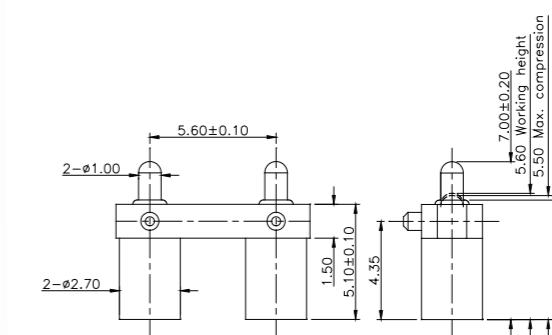
PN: P3037MF01-03A300HB

- Length: 6.30 mm
- Working Height: 5.20 mm
- Pitch: 6.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%



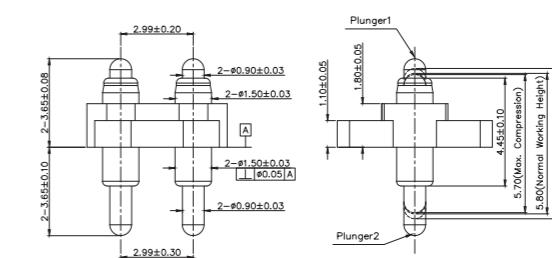
PN: F1615AA02-04B250MR

- Length: 6.70 mm
- Working Height: 5.50 mm
- Pitch: 7.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%



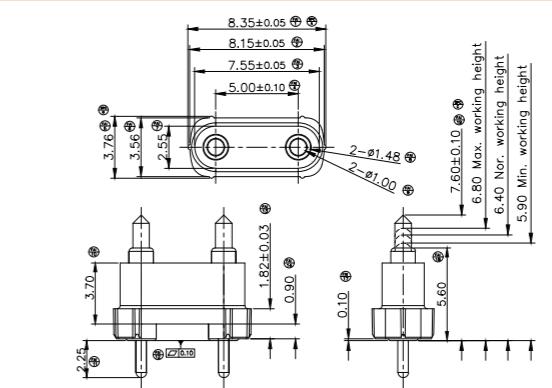
PN: P2723MF01-03B280HB

- Length: 7.00 mm
- Working Height: 5.60 mm
- Pitch: 5.60 mm
- Current: 3 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 130g±25%



PN: P5121MD10-02A324HB

- Length: 7.30 mm
- Working Height: 5.80 mm
- Pitch: 2.99 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 85g±15g

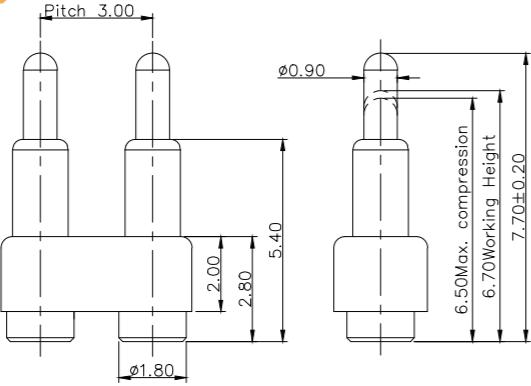


PN: P2388MP10-02G500HR

- Length: 7.60 mm
- Working Height: 6.40 mm
- Pitch: 5.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%

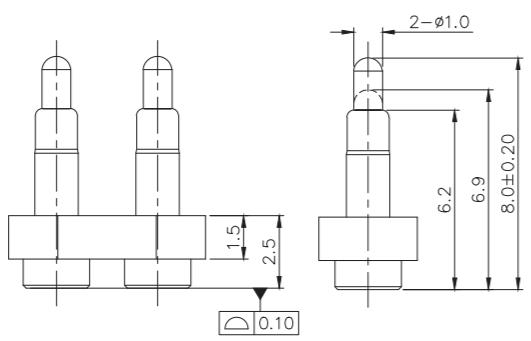
NON STANDARD CONNECTOR

2 PINS



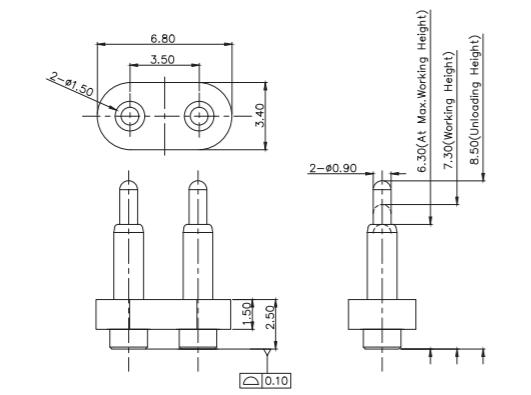
PN: F259AA02-02300MR

- Length: 7.70 mm
- Working Height: 6.70 mm
- Pitch: 3.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 60g±20%



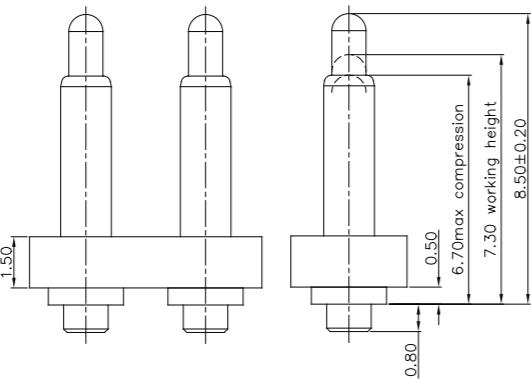
PN: N001M2-02D350MR

- Length: 8.00 mm
- Working Height: 6.90 mm
- Pitch: 3.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 65g±20%



PN: H015M1-02D350MR

- Length: 8.50 mm
- Working Height: 7.30 mm
- Pitch: 3.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20%

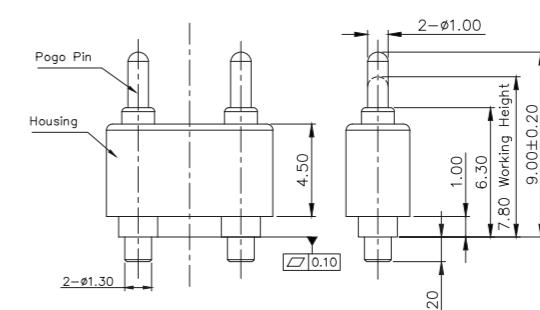


PN: P1089AA01-02D350MR

- Length: 8.50 mm
- Working Height: 7.30 mm
- Pitch: 3.50 mm
- Current: 1.5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%

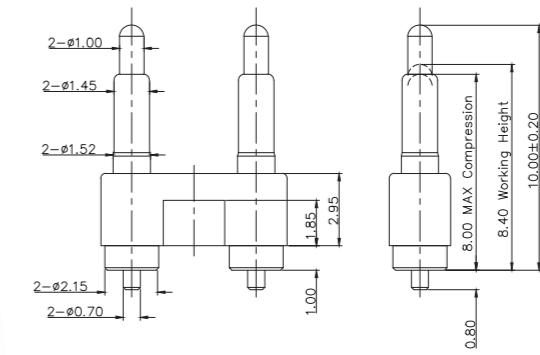
NON STANDARD CONNECTOR

2 PINS



PN: N002M10-02B500HR

- Length: 9.00 mm
- Working Height: 7.80 mm
- Pitch: 5.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20%

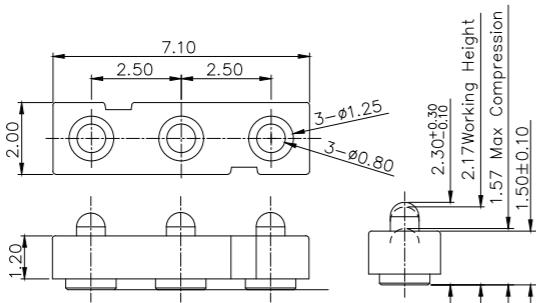


PN: P2780MF01-02A508MR

- Length: 10.00 mm
- Working Height: 8.40 mm
- Pitch: 5.08 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20%

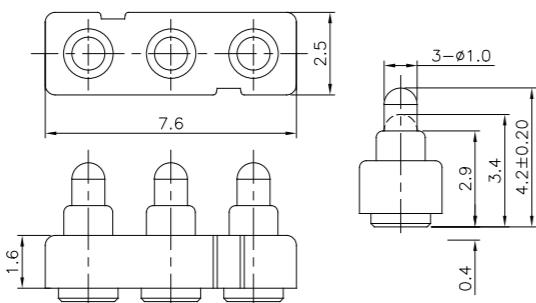
NON STANDARD CONNECTOR

3 PINS



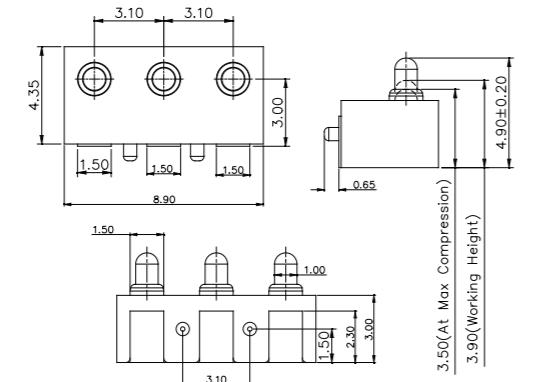
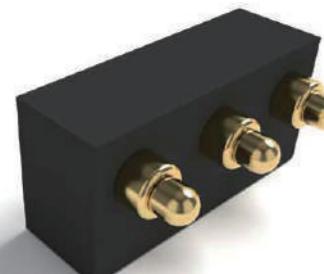
PN: F1106AA01-02A400MR

- Length: 2.30 mm
- Working Height: 2.17 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 80g±20%



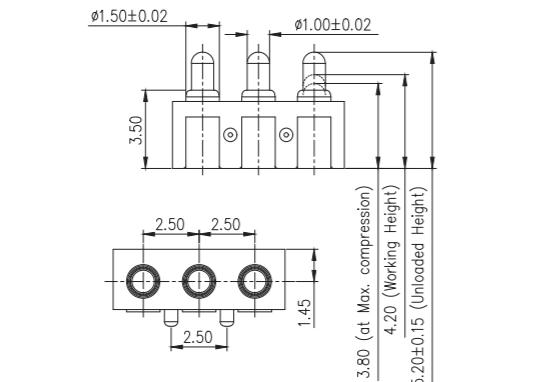
PN: N103M5-03G250MR

- Length: 4.20 mm
- Working Height: 3.40 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%



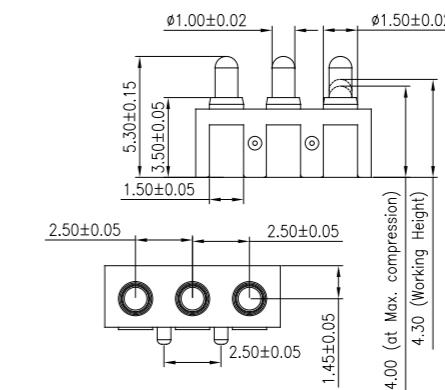
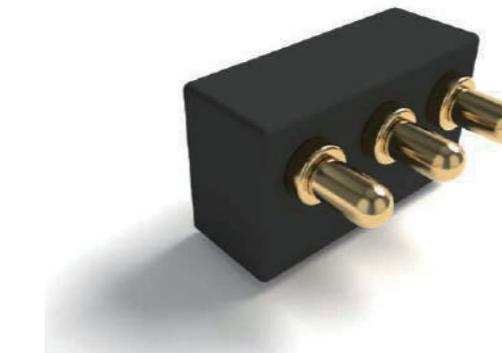
PN: H003M7-H03A310R

- Length: 4.90 mm
- Working Height: 3.90 mm
- Pitch: 3.10 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%



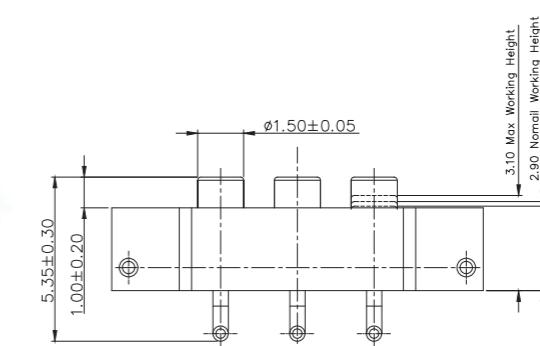
PN: H003M1-H03B250RR

- Length: 5.20 mm
- Working Height: 4.20 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%



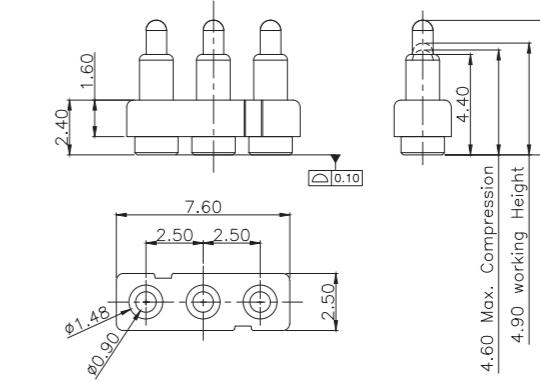
PN: H003M3-H03B250R

- Length: 5.30 mm
- Working Height: 4.30 mm
- Pitch: 2.50 mm
- Current: 1 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%



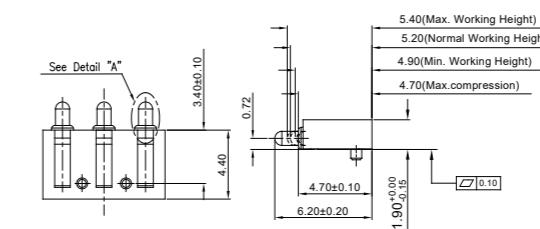
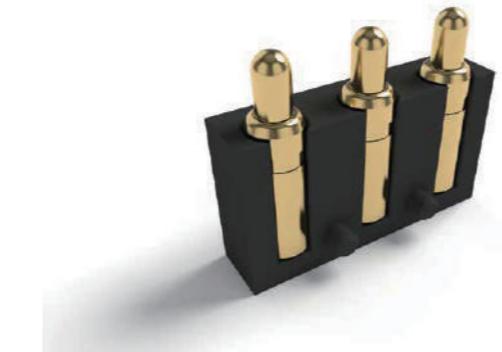
PN: P3309MF01-03R250MR

- Length: 5.30 mm
- Working Height: 3.10 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 100g±20%



PN: F515AA01-03250MR

- Length: 5.90 mm
- Working Height: 4.90 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%

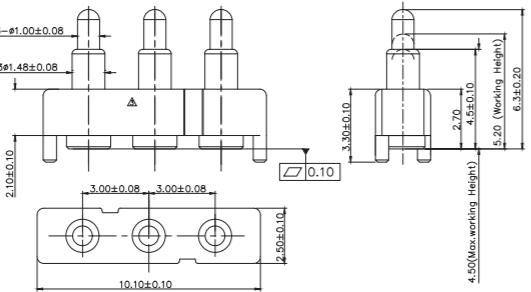


PN: R175AA09-03265HR

- Length: 6.20 mm
- Working Height: 5.20 mm
- Pitch: 4.90 mm
- Current: 2.5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%

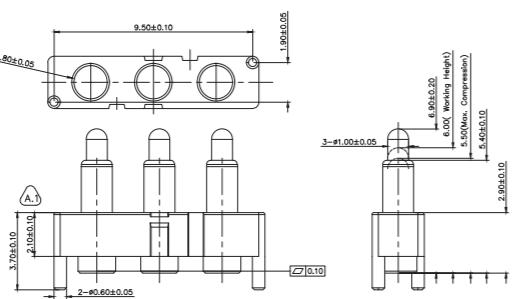
NON STANDARD CONNECTOR

3 PINS



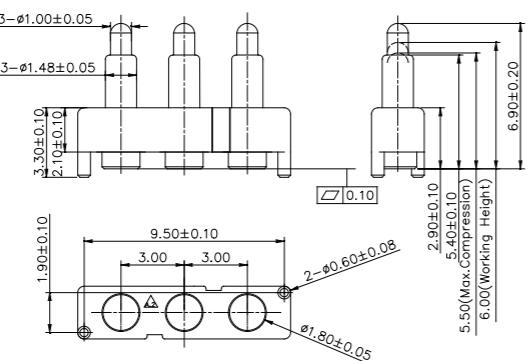
PN: H179M0-03A300MR

- Length: 6.30 mm
- Working Height: 5.20 mm
- Pitch: 3.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g ± 20%



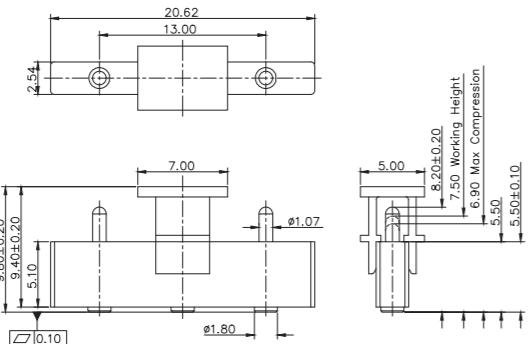
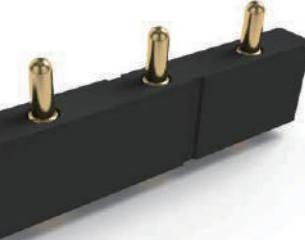
PN: F1767AA01-03A300MR

- Length: 6.90 mm
- Working Height: 6.00 mm
- Pitch: 3.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g ± 20%



PN: N042M4-03A300MR

- Length: 6.90 mm
- Working Height: 6.00 mm
- Pitch: 3.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 60g ± 20%

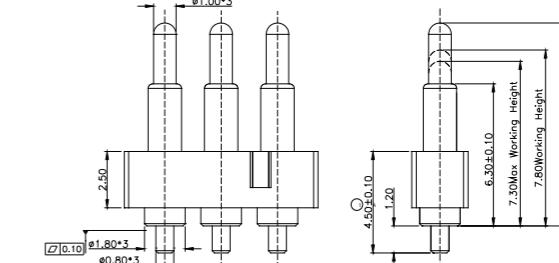


PN: F1712AA02-03D650MR

- Length: 8.20 mm
- Working Height: 7.50 mm
- Pitch: 6.50 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 85g ± 20%

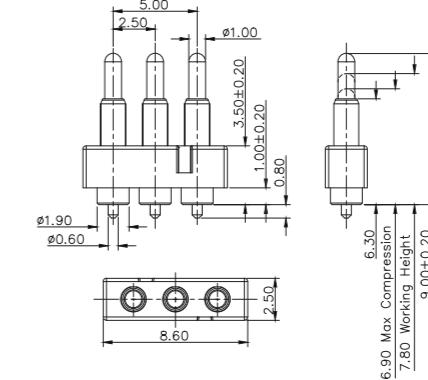
NON STANDARD CONNECTOR

3 PINS



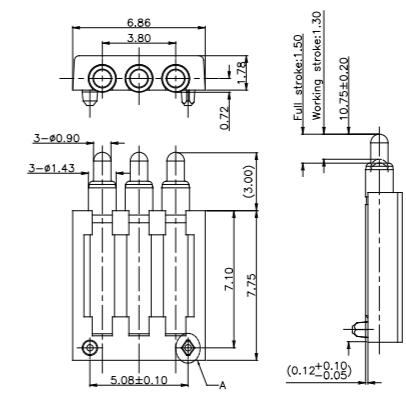
PN: P1500AA01-03C250MR

- Length: 9.00 mm
- Working Height: 7.80 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 60g ± 20%



PN: P2223MP01-03C250MR

- Length: 9.00 mm
- Working Height: 7.80 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g ± 20%

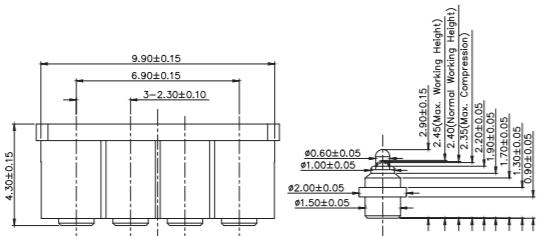


PN: R1332AA01-03B190RR

- Length: 10.75 mm
- Working Height: 9.45 mm
- Pitch: 1.90 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g ± 20%

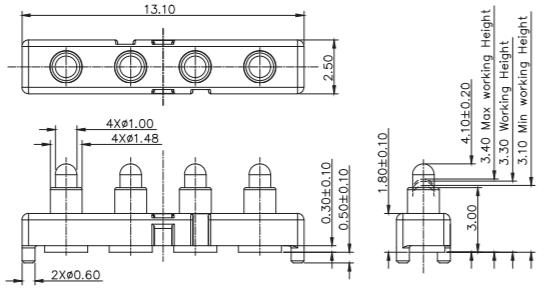
NON STANDARD CONNECTOR

4 PINS



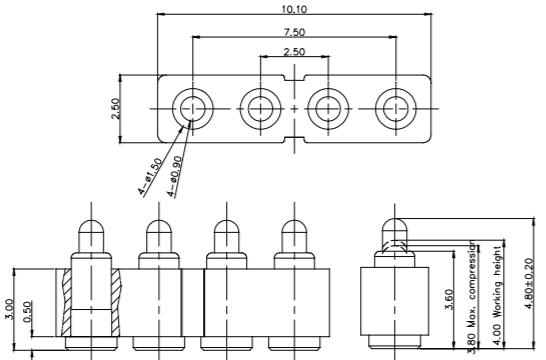
PN: P5331MF02-04A230CR

- Length: 2.90 mm
- Working Height: 2.40 mm
- Pitch: 2.30 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 75g±15g



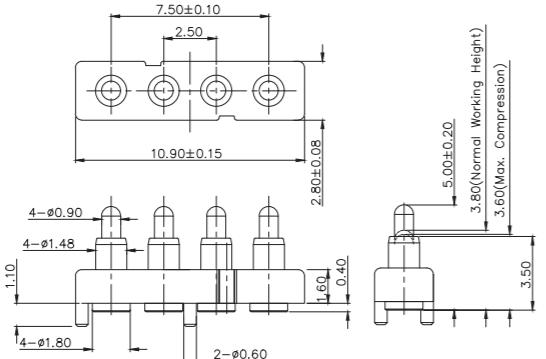
PN: F1853AA02-04F300MR

- Length: 4.10 mm
- Working Height: 3.30 mm
- Pitch: 3.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 80g±20%



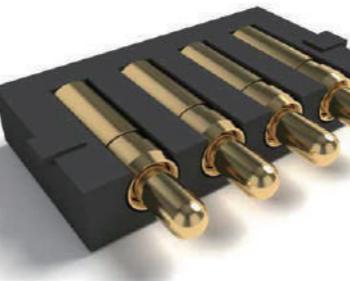
PN: P3063MF01-04B250MR

- Length: 4.80 mm
- Working Height: 4.00 mm
- Pitch: 2.50 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 90g±20%



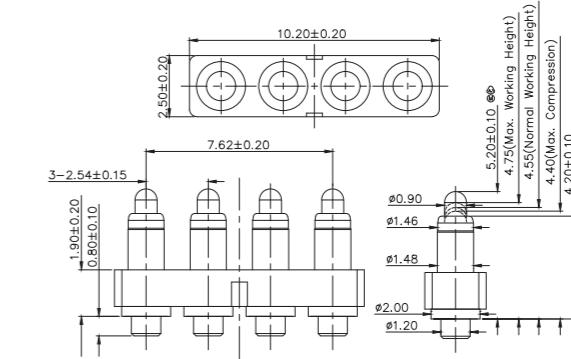
PN: P2808MF01-04D250MR

- Length: 5.00 mm
- Working Height: 3.80 mm
- Pitch: 2.50 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 90g±20%



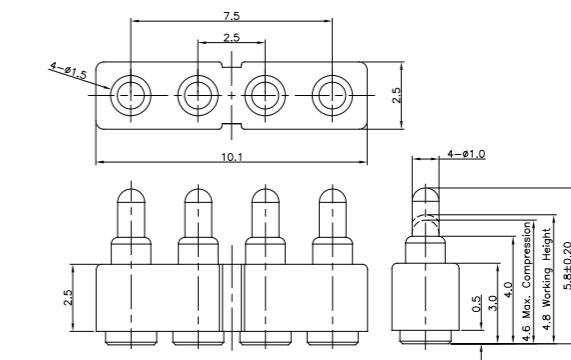
NON STANDARD CONNECTOR

4 PINS



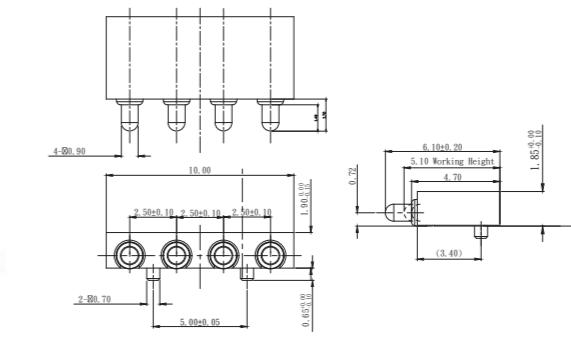
PN: P3859MP01-04A254MR

- Length: 5.20 mm
- Working Height: 4.55 mm
- Pitch: 2.54 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 55g±10g



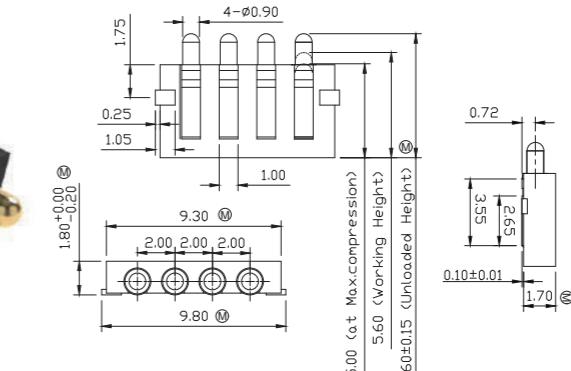
PN: N005M4-04B250MR

- Length: 5.80 mm
- Working Height: 4.80 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%



PN: R175AA00-04250RR

- Length: 6.10 mm
- Working Height: 5.10 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%

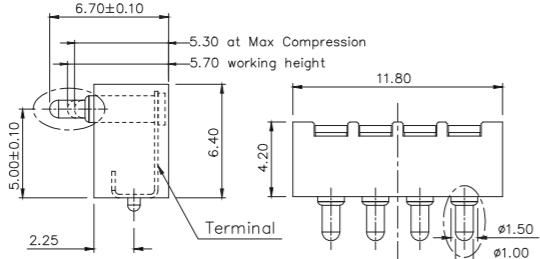


PN: H016M0-H04A200R

- Length: 6.60 mm
- Working Height: 5.60 mm
- Pitch: 2.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%

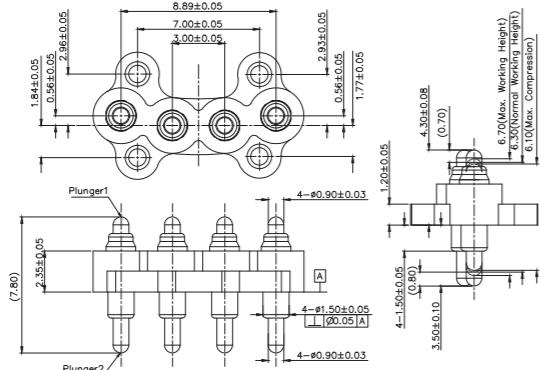
NON STANDARD CONNECTOR

4 PINS



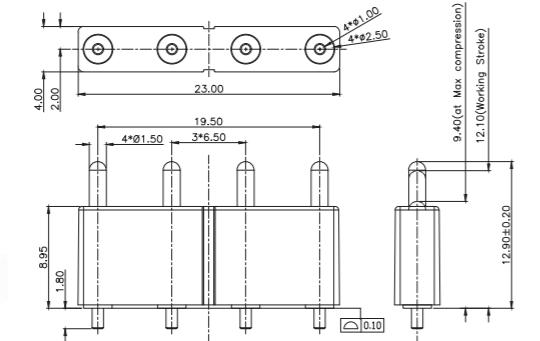
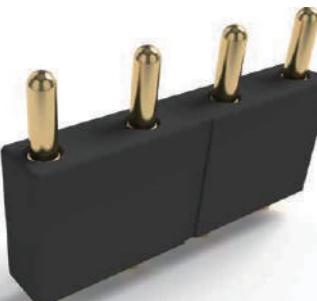
PN: R035AA05-04250RR

- Length: 6.70 mm
- Working Height: 5.70 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%



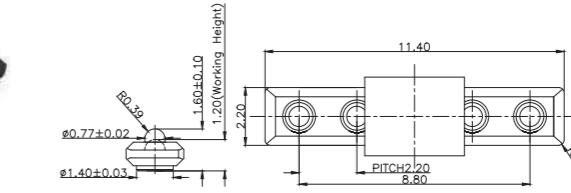
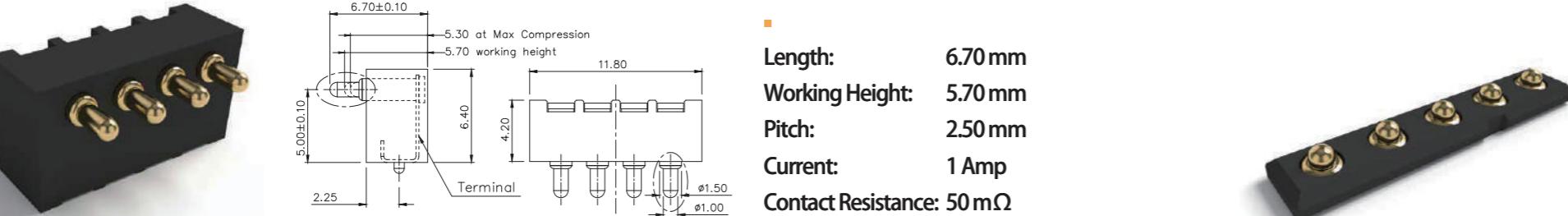
PN: P5751MD01-04A300HB

- Length: 7.80 mm
- Working Height: 6.30 mm
- Pitch: 3.00 mm
- Current: 1 Amp
- Contact Resistance: 30 mΩ
- Spring Force: 85g±15g



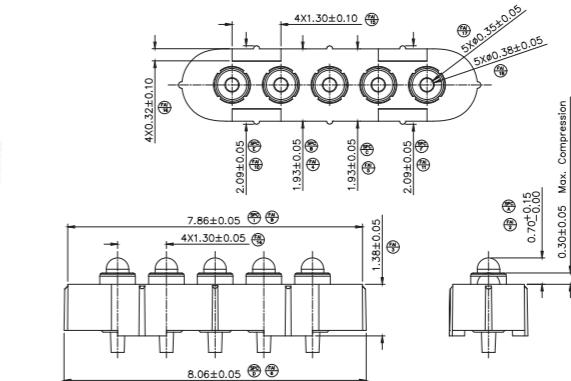
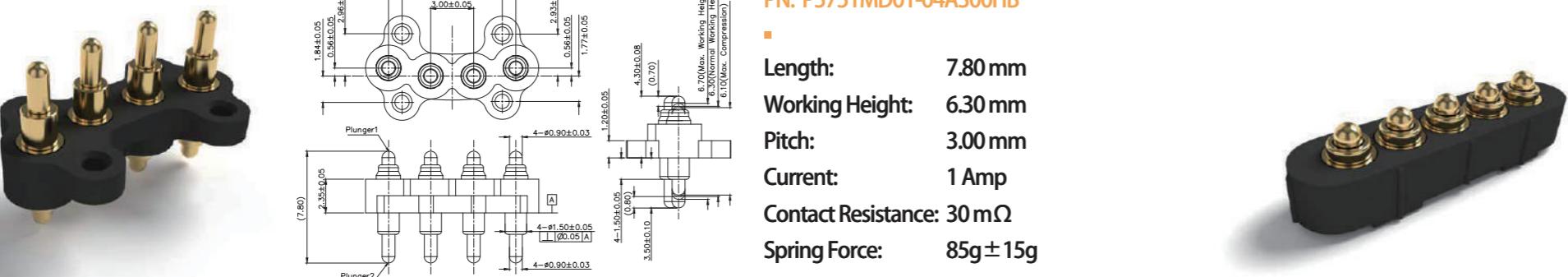
PN: P3136MP01-04B650MR

- Length: 12.90 mm
- Working Height: 12.10 mm
- Pitch: 6.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 105g±20%



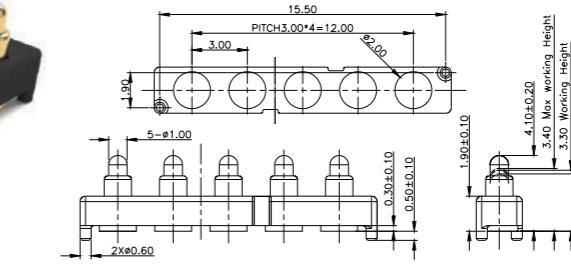
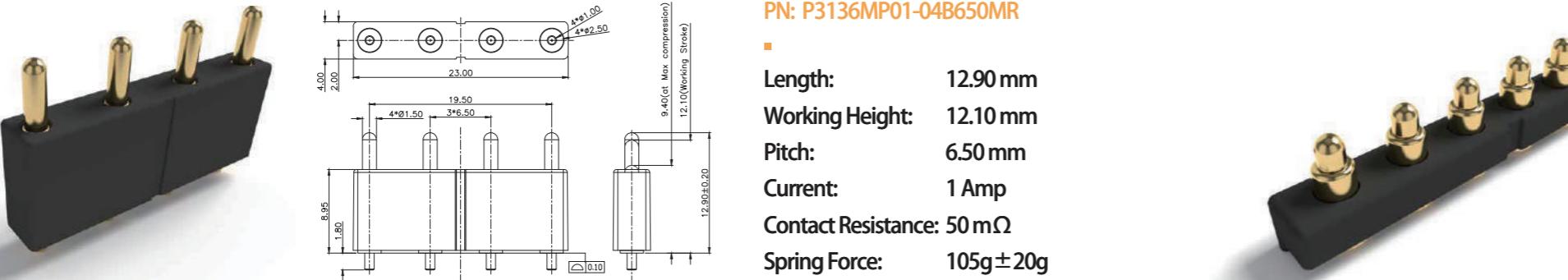
PN: F254AA01-05220MR

- Length: 1.60 mm
- Working Height: 1.20 mm
- Pitch: 2.20 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 60g±20g



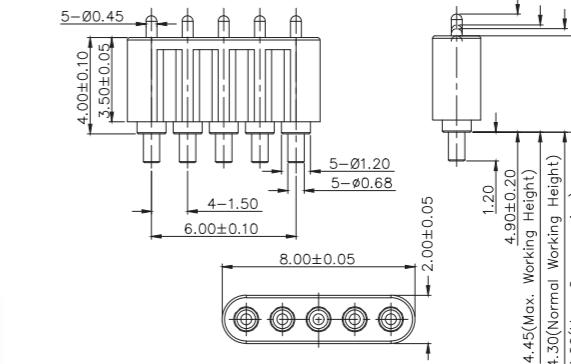
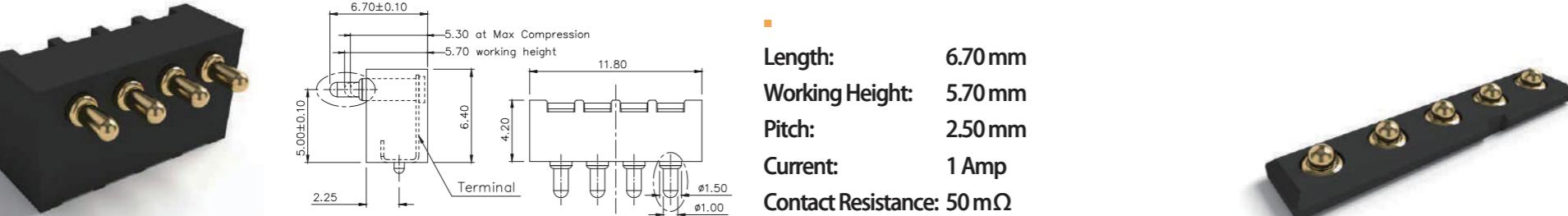
PN: P2288MP02-05A130HR

- Length: 2.08 mm
- Working Height: 1.68 mm
- Pitch: 1.30 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20g



PN: F1853AA01-05H300MR

- Length: 4.10 mm
- Working Height: 3.30 mm
- Pitch: 3.00 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 80g±20%

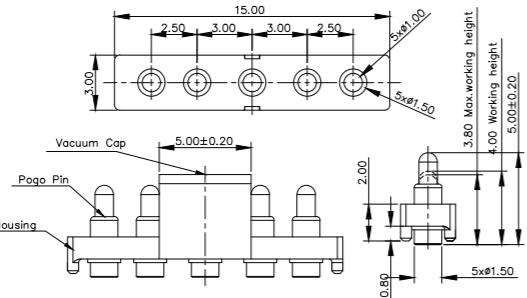


PN: P3710MP01-05A150HB

- Length: 4.90 mm
- Working Height: 4.30 mm
- Pitch: 1.50 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%

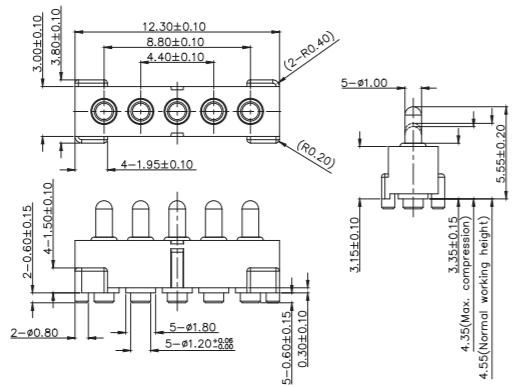
NON STANDARD CONNECTOR

5 PINS



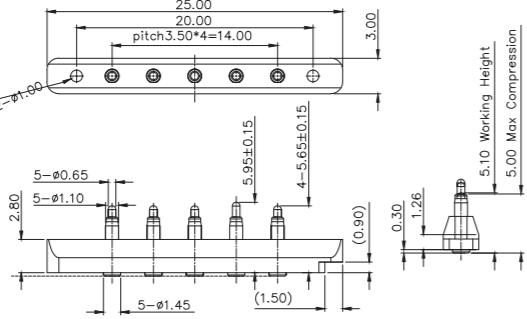
PN: F1371AA01-05A250MR

- Length: 5.00 mm
- Working Height: 4.00 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 80g±20g



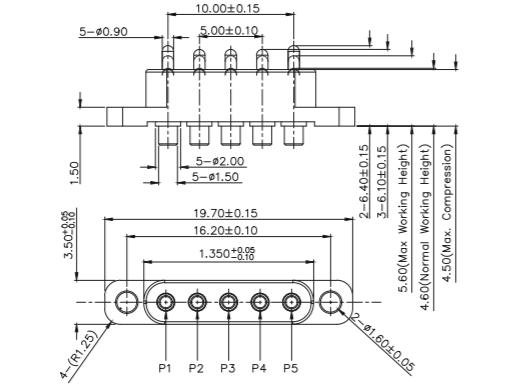
PN: P2761MP01-05E220MR

- Length: 5.55 mm
- Working Height: 4.55 mm
- Pitch: 2.20 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 80g±20g



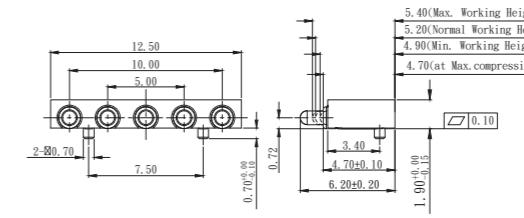
PN: P5362MF01-05A350MR

- Length: 5.65 / 5.95 mm
- Working Height: 5.10 mm
- Pitch: 3.50 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 70g±20g



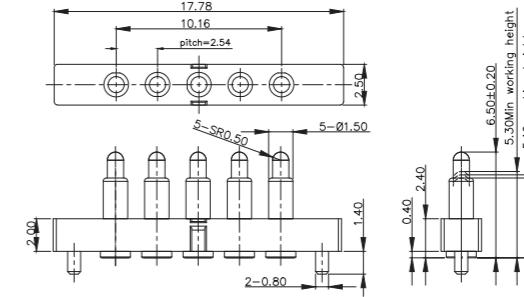
PN: P2673MF02-05R250HT

- Length: 6.10 / 6.41 mm
- Working Height: 4.60 mm
- Pitch: 2.50 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 150g±20%



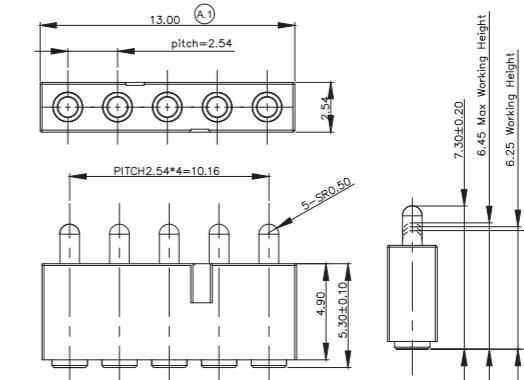
PN: R175AA05-05250RR

- Length: 6.20 mm
- Working Height: 5.20 mm
- Pitch: 2.50 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%



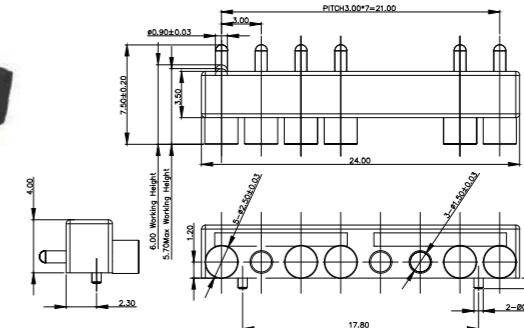
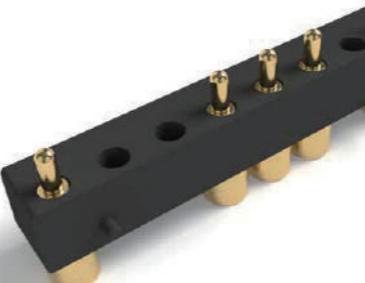
PN: P2037MF01-05J254MR

- Length: 6.50 mm
- Working Height: 5.10 mm
- Pitch: 2.54 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 90g±20%



PN: P2315MF01-05L254MR

- Length: 7.30 mm
- Working Height: 6.25 mm
- Pitch: 2.54 mm
- Current: 5 Amps
- Contact Resistance: 20 mΩ
- Spring Force: 80g±20%

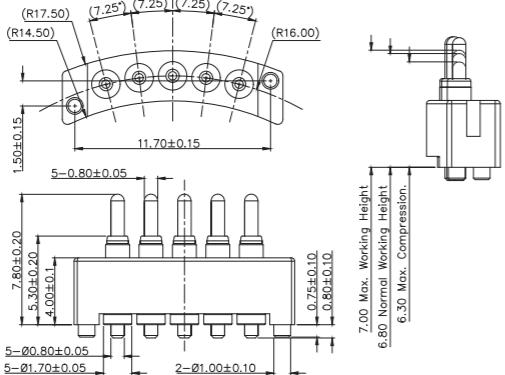


PN: F1601AA05-08G300HB

- Length: 7.50 mm
- Working Height: 6.00 mm
- Pitch: 3.00 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%

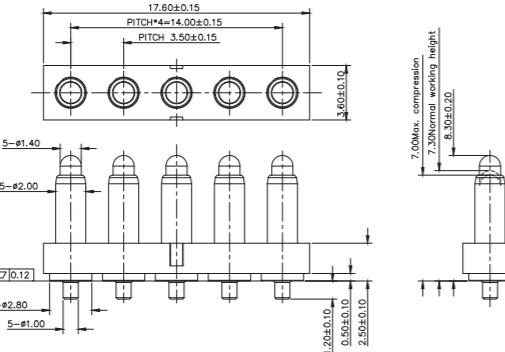
NON STANDARD CONNECTOR

5 PINS



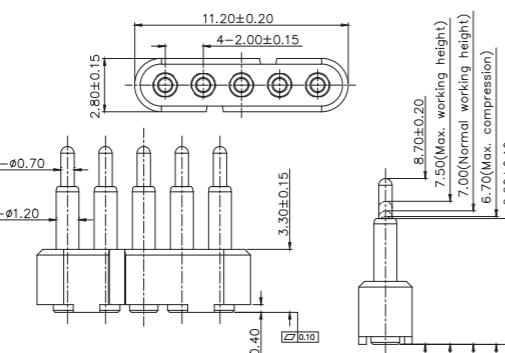
PN: P2698MP03-05A202MR

- Length: 7.80 mm
- Working Height: 6.80 mm
- Pitch: 2.02 mm
- Current: 2 Amps
- Spring Force: 30g±10g



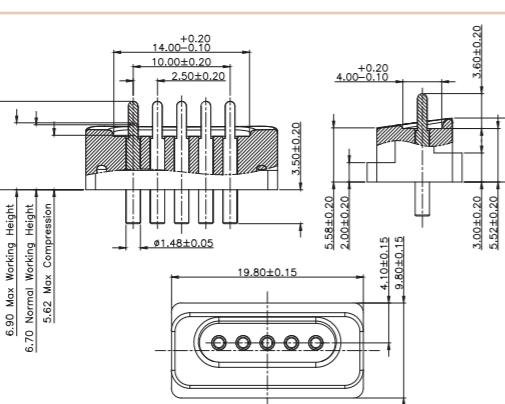
PN: P2811MP01-05E350MR

- Length: 8.30 mm
- Working Height: 7.30 mm
- Pitch: 3.50 mm
- Current: 3 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 95g±20g



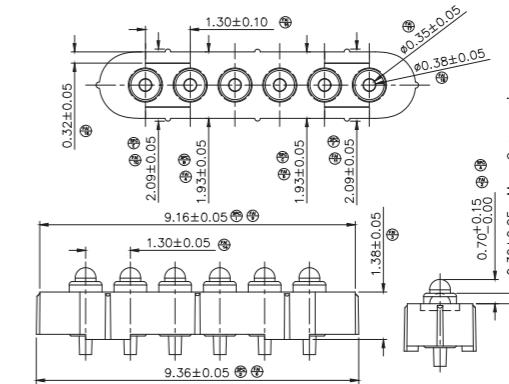
PN: P6287MF02-05A200MR

- Length: 8.70 mm
- Working Height: 7.00 mm
- Pitch: 2.00 mm
- Current: 3~5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%



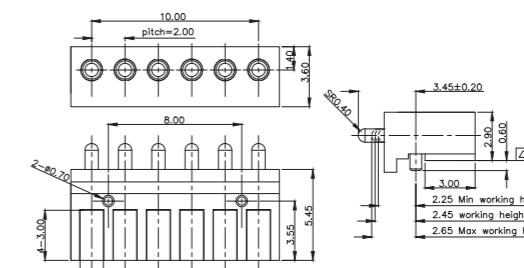
PN: P3117MF01-05U250HT

- Length: 9.12 mm
- Working Height: 6.70 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Spring Force: 100g±20g



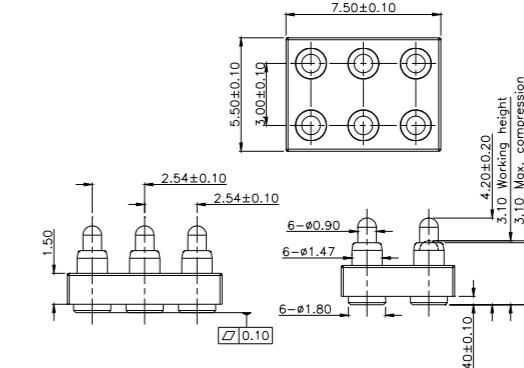
PN: P2288MP02-06B130HR

- Length: 2.08 mm
- Working Height: 1.68 mm
- Pitch: 1.30 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 50g±20g



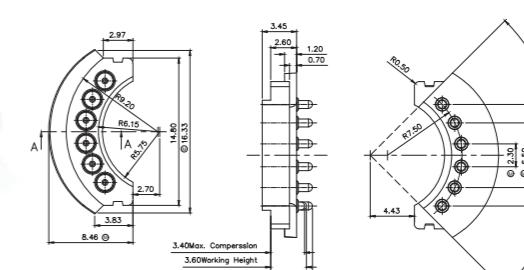
PN: P2526MR01-06F200HR

- Length: 3.45 mm
- Working Height: 2.45 mm
- Pitch: 2.00 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 70g±20%



PN: P3004MF01-06A300HR

- Length: 4.20 mm
- Working Height: 3.10 mm
- Pitch: 2.54 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 80g±20%

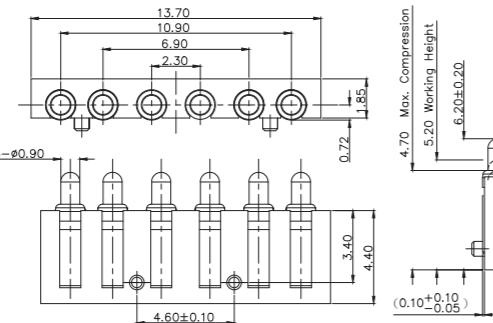


PN: P2106MP01-06B230HR

- Length: 4.20 mm
- Working Height: 3.60 mm
- Pitch: 1.85 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 90g±20%

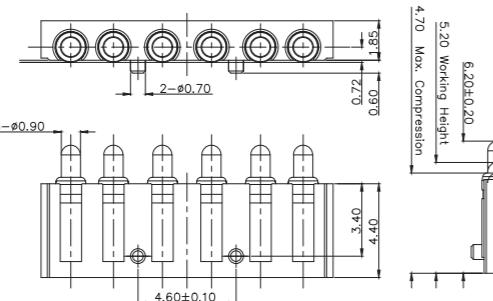
NON STANDARD CONNECTOR

6 PINS



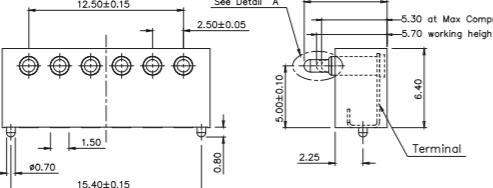
PN: R175AA05-06B200RR

- Length: 6.20 mm
- Working Height: 5.20 mm
- Pitch: 2.30 mm
- Current: 1.5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%



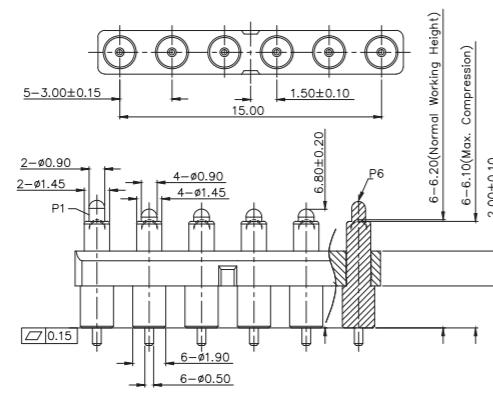
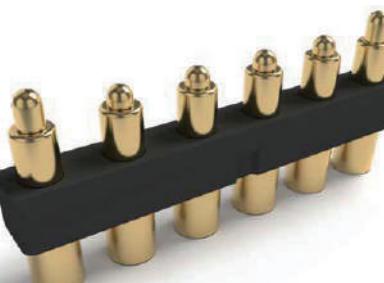
PN: R175AA08-06B200RR

- Length: 6.20 mm
- Working Height: 5.20 mm
- Pitch: 2.30 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%



PN: R035AA06-06250RR

- Length: 6.70 mm
- Working Height: 5.70 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 120g±20%

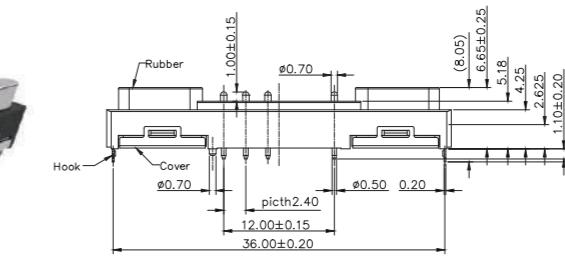


PN: P3588MP02-06B300MR

- Length: 6.80 / 7.30 mm
- Working Height: 6.20 mm
- Pitch: 3.00 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 110g±20%

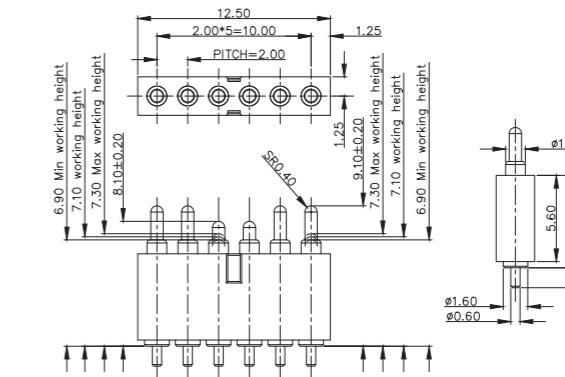
NON STANDARD CONNECTOR

6 PINS



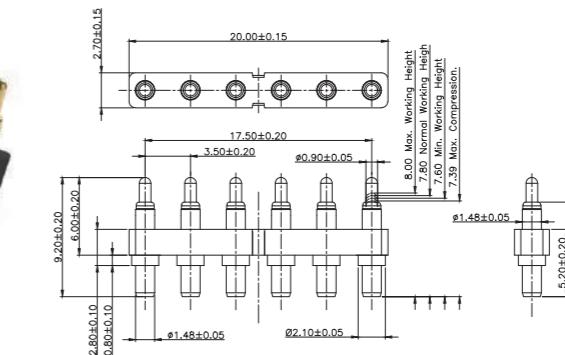
PN: P2197MP01-06C240MR

- Length: 7.28 mm
- Working Height: 6.48 mm
- Pitch: 2.40 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 90g±20%



PN: P2294MP01-06E200MR

- Length: 8.10 / 9.10 mm
- Working Height: 7.10 mm
- Pitch: 2.00 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 70g±20%

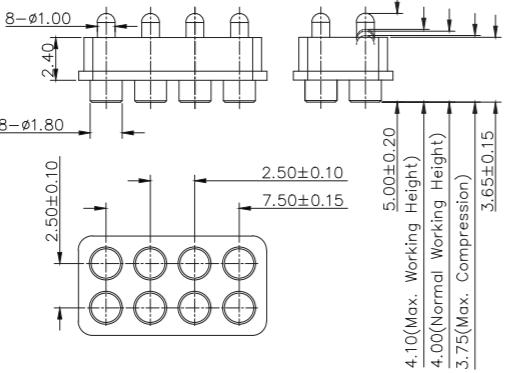


PN: P3783MP01-06L350MR

- Length: 9.20 mm
- Working Height: 7.80 mm
- Pitch: 3.50 mm
- Current: 5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 100g±20%

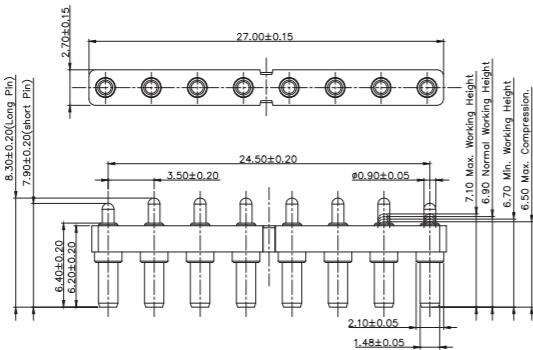
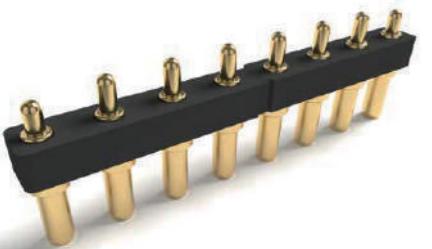
NON STANDARD CONNECTOR

8 PINS



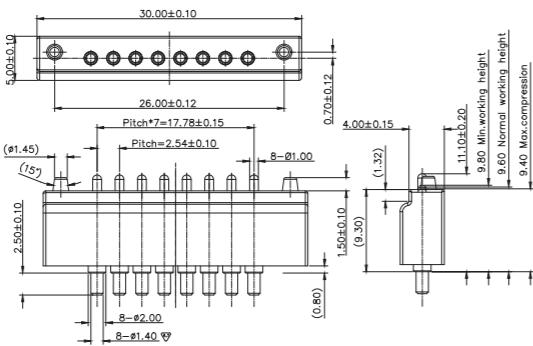
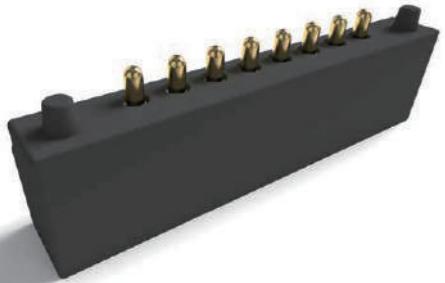
PN: P3728MF01-08P250HR

- Length:** 5.00 mm
- Working Height:** 4.00 mm
- Pitch:** 2.50 mm
- Current:** 1 Amp
- Contact Resistance:** 50 mΩ
- Spring Force:** 80g±20g



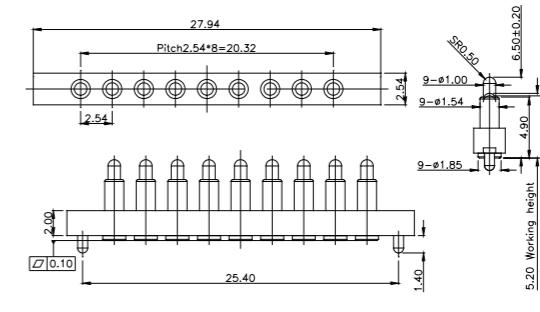
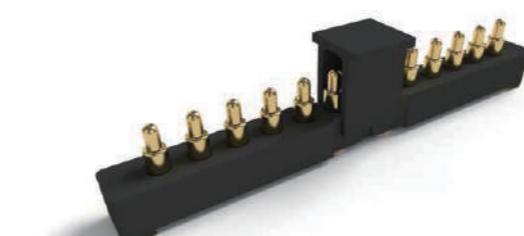
PN: P2613MP01-08E350MR

- Length:** 7.90 / 8.30 mm
- Working Height:** 6.90 mm
- Pitch:** 3.50 mm
- Current:** 2 Amps
- Contact Resistance:** 50 mΩ
- Spring Force:** 110g±20g



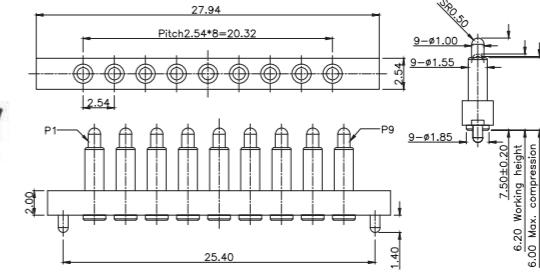
PN: P1933AA01-08C254HT

- Length:** 11.10 mm
- Working Height:** 9.60 mm
- Pitch:** 2.54 mm
- Current:** 2 Amps
- Contact Resistance:** 50 mΩ
- Spring Force:** 120g±20%



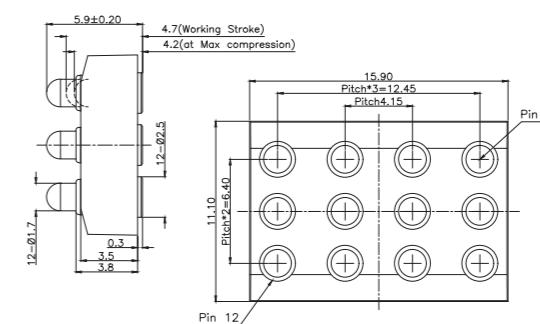
PN: P2839MF01-09F254MR

- Length:** 6.50 mm
- Working Height:** 5.20 mm
- Pitch:** 2.54 mm
- Current:** 1 Amp
- Contact Resistance:** 50 mΩ
- Spring Force:** 100g±20%



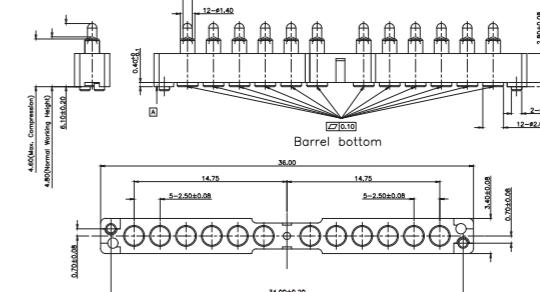
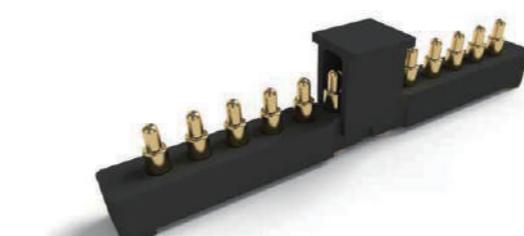
PN: P2879MF01-09F254MR

- Length:** 7.50 mm
- Working Height:** 6.20 mm
- Pitch:** 2.54 mm
- Current:** 1 Amp
- Contact Resistance:** 50 mΩ
- Spring Force:** 100g±20%



PN: P2976MF01-12A415HR

- Length:** 5.90 mm
- Working Height:** 4.70 mm
- Pitch:** 3.20 mm
- Current:** 2 Amps
- Contact Resistance:** 50 mΩ
- Spring Force:** 110g±20g

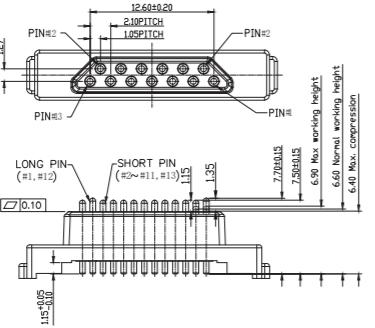


PN: P3303MF01-12A250MR

- Length:** 6.10 mm
- Working Height:** 4.80 mm
- Pitch:** 2.50 mm
- Current:** 1 Amp
- Contact Resistance:** 100 mΩ
- Spring Force:** 60g±20g

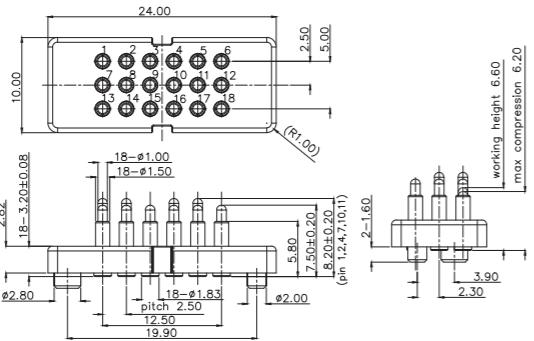
NON STANDARD CONNECTOR

12-18 PINS



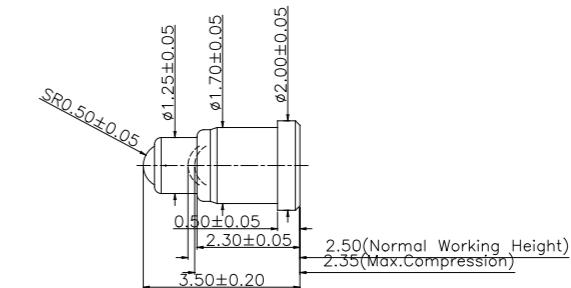
PN: P1179AA17-13B210HR

- Length: 7.50 / 7.70 mm
- Working Height: 6.60
- Pitch: 1.05 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 140g±20%



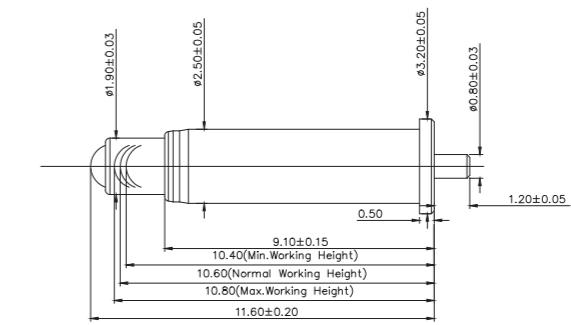
PN: P3673MF01-18A250MR

- Length: 7.50 / 8.20 mm
- Working Height: 6.60 mm
- Pitch: 2.50 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 130g±20g



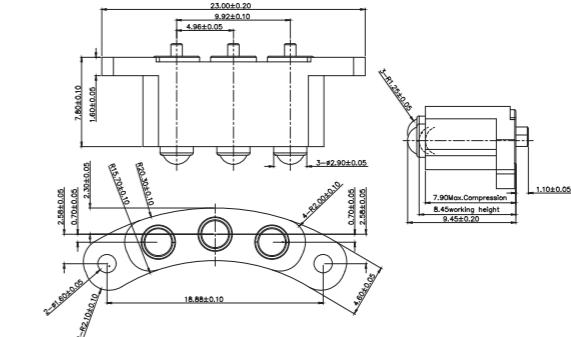
PN: P5079FP01

- Length: 3.50 mm
- Working Height: 2.50 mm
- Current: 2 Amps
- Contact Resistance: 100 mΩ
- Spring Force: 60g±15g
- Durability: 2,000



PN: P6353PP02

- Length: 11.60 mm
- Working Height: 10.60 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 90g±20g
- Durability: 10,000

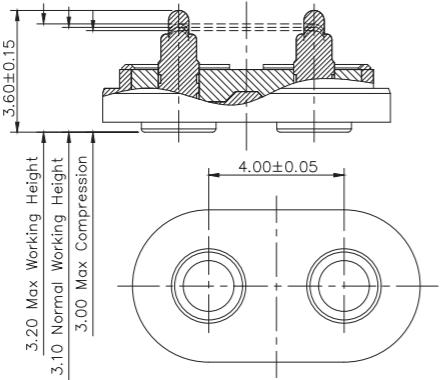


PN: P5982MP05-03C500HR

- Length: 9.45 mm
- Working Height: 8.45 mm
- Pitch: 4.96 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 60g±15g
- Durability: 200,000

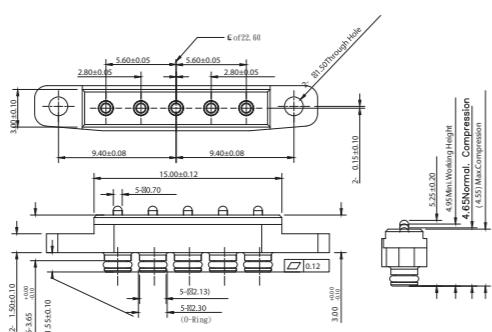
WATERPROOF CONNECTOR

WATERPROOF CONNECTOR



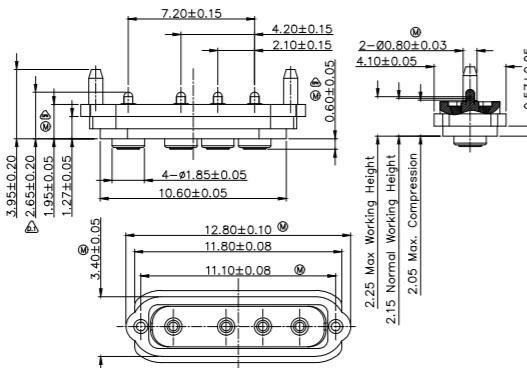
PN: P5562MP01-02B400HB

- Length: 3.60 mm
- Working Height: 3.10 mm
- Pitch: 4.00 mm
- Current: 1 Amps
- Contact Resistance: 100 mΩ
- Spring Force: 80g±20g
- IP Factor: IPX8



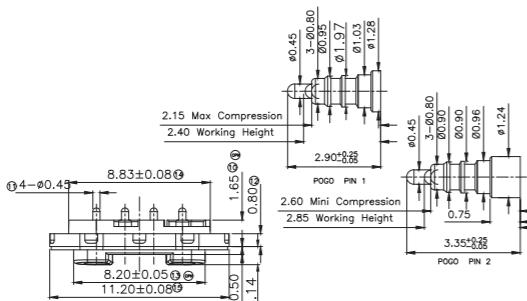
PN: P2352MF01-05A280HT

- Length: 5.25 mm
- Working Height: 4.95 mm
- Pitch: 2.80 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 95g±20%



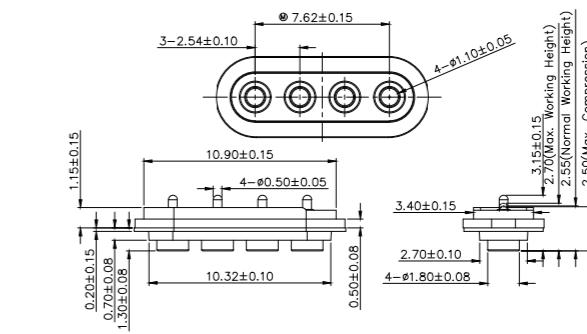
PN: P5320MF01-04A210HT

- Length: 2.65 mm
- Working Height: 2.15 mm
- Pitch: 2.10 mm
- Current: 1.5 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 80g±20g
- IP Factor: IPX7



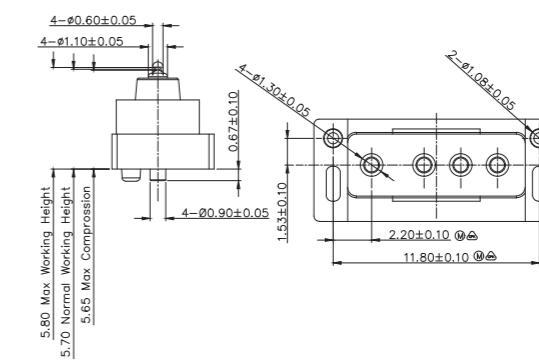
PN: P2988MM03-04C180HB

- Length: 2.90 / 3.35 mm
- Working Height: 2.40 / 2.85 mm
- Pitch: 1.80 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 60g±20g



PN: P5875MF01-04A250HT

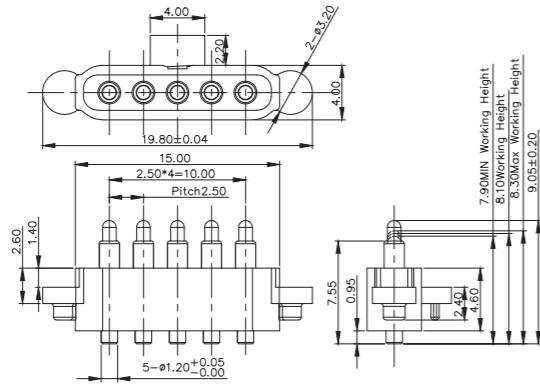
- Length: 3.15 mm
- Working Height: 2.55 mm
- Pitch: 2.54 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 75g±20g
- IP Factor: IPX7



PN: P3613MP05-04A210MR

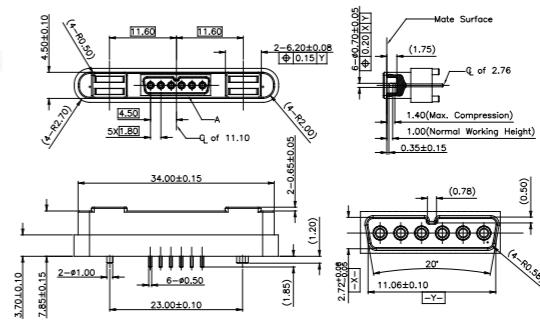
- Length: 6.13 mm
- Working Height: 5.70 mm
- Pitch: 2.10 mm
- Current: 1 Amp
- Contact Resistance: 50 mΩ
- Spring Force: 50g±15g

WATERPROOF CONNECTOR



PN: P3608MP01-05A250MR

- Length: 9.05 mm
- Working Height: 8.10 mm
- Pitch: 2.50 mm
- Current: 2 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 90g±20%
- IP Factor: IPX7



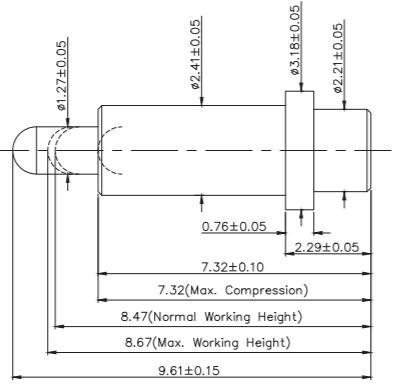
PN: P2578MP01-06C180HT

- Length: 9.70 mm
- Working Height: 8.70 mm
- Pitch: 1.80 mm
- Current: 3 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 70g±20%

MAGNETIC CONNECTOR

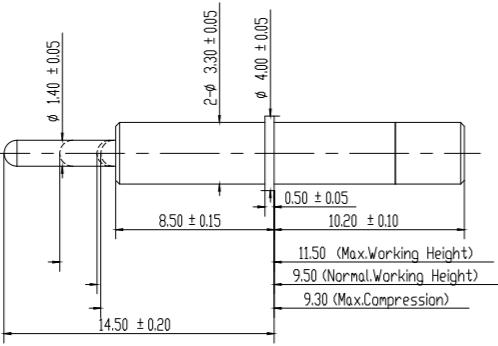
HIGH CURRENT CONNECTOR

DOUBLE ENDED PIN



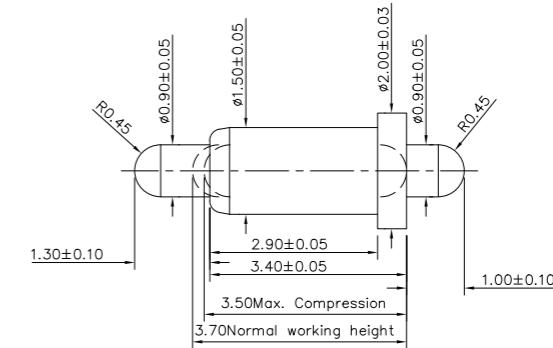
PN: P5650FH01

- Length: 9.61 mm
- Working Height: 8.47 mm
- Current: 9 Amps
- Contact Resistance: 30 mΩ
- Spring Force: 100g ± 20%



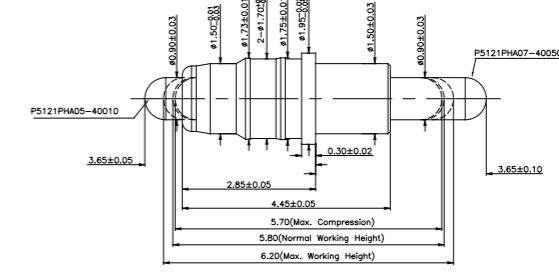
PN: P07408PH1

- Length: 14.50 mm
- Working Height: 9.50 mm
- Current: 12 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 150g ± 20%



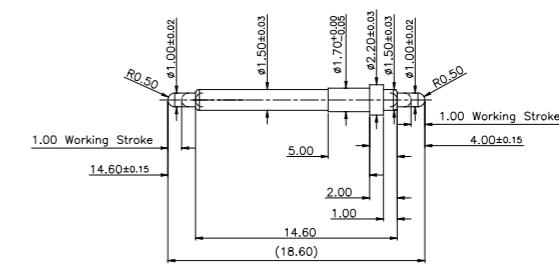
PN: P2573DP01

- Length: 5.70 mm
- Working Height: 3.70 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 100g ± 20%



PN: P5650FH01

- Length: 7.30 mm
- Working Height: 5.80 mm
- Current: 2 Amps
- Contact Resistance: 30 mΩ
- Spring Force: 85g ± 15g

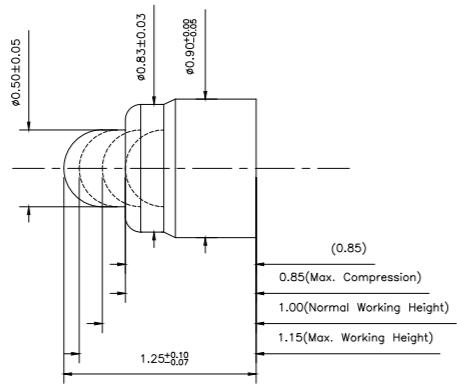


PN: D406AA01

- Length: 18.60 mm
- Working Height: 16.60 mm
- Current: 1 Amp
- Contact Resistance: 100 mΩ
- Spring Force: 60 g ± 20%

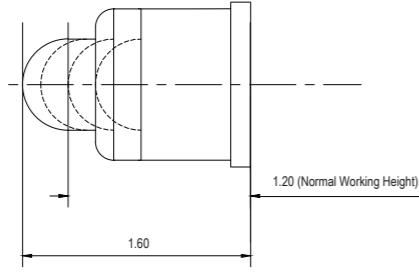
ULTRA SMALL PIN

SCREW PIN



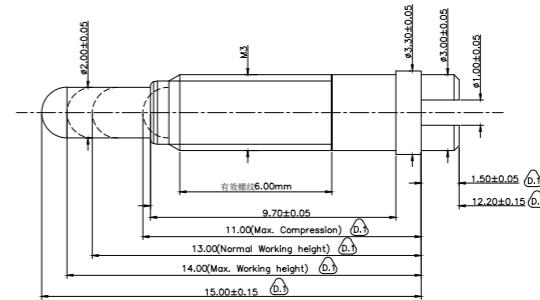
PN: P6925FP03

- Length: 1.25 mm
- Working Height: 1.00 mm
- Current: 300m Amp
- Contact Resistance: 100 mΩ
- Spring Force: 35g ± 20%



PN: F254AA01

- Length: 1.60 mm
- Working Height: 1.20 mm
- Current: 300m Amp
- Contact Resistance: 100 mΩ
- Spring Force: 40g ± 20%



PN: P07417PH1

- Length: 15.00 mm
- Working Height: 13.00 mm
- Current: 1 Amps
- Contact Resistance: 50 mΩ
- Spring Force: 250g ± 20%

Testing Items

Environmental

- Waterproof
- Humidity Test
- Salt Spray
- Thermal Impact
- Resistance to Solder Heat
- Vibration

Mechanical

- Retention Force
- Life Cycle
- Vibration
- Mechanical Shock

Electrical

- Contact Resistance
- Insulation
- HIPOT
- Rated Current

Other

- Drop
- Soldering Side Force
- Solderability

ISO 9001

Quality Management Systems

ISO 13485

Medical Devices - Quality Management Systems

ISO 14001

Environmental Management Systems

ISO 14064

Greenhouse Gas Emission

ISO 45001

Occupational Health and Safety Management System

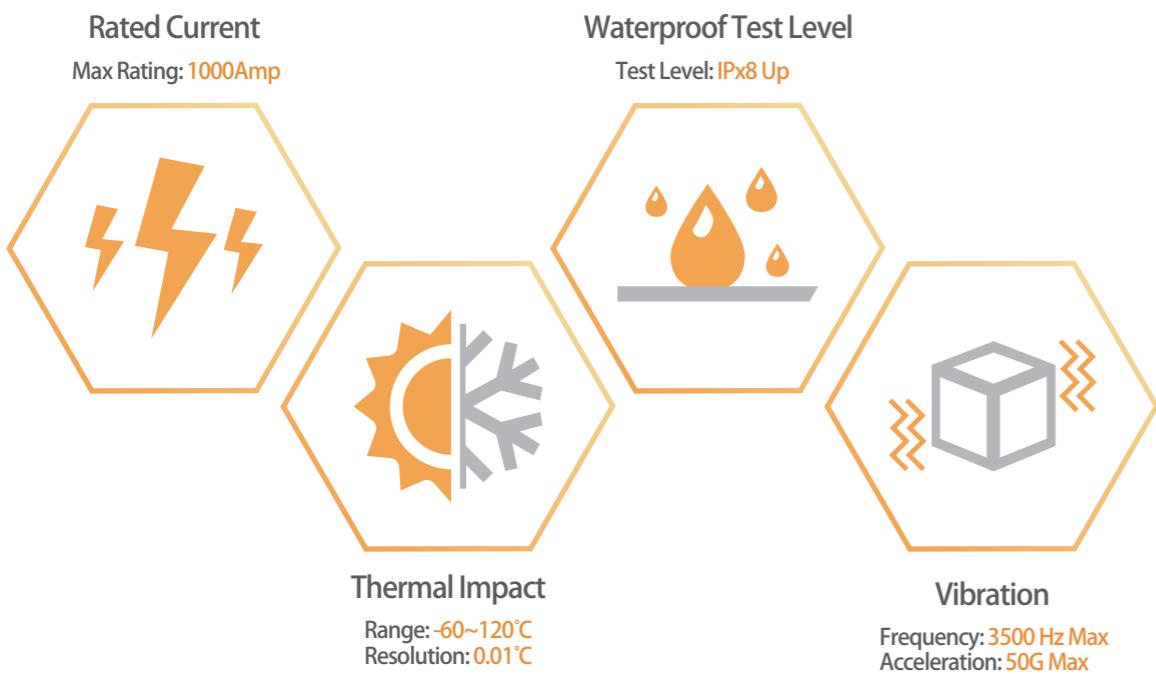
IATF 16949

Automotive Quality Management Systems

QC 080000

Hazardous Substance Process Management

Testing Equipment



Quality Assurance





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