

Shenzhen QH Industrial Co., Ltd

Product Catalogue

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Website

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1> Company introduction

Shenzhen QH Industrial Co.,Ltd, established in 2004, mainly focus on pogo pin ,pogo pin connector , and magnetic pogo pin connector, Magnetic Cable Connector. It's one of the famous manufacturers for pogo pin ,pogo pin connector , and magnetic pogo pin connector.

Our company use high technology in production , and has systematical management system. We have got the ISO9001 certification, and products we make can meet the RoHS / REACH / Ca65 / HF /UL / CE per customers" requirement.

Besides, we always provide short develop lead time and offer competitive price and stable quality to our customers.

Our products are widely use in electronic products, computer, tablet, mobile phone, smart bracelet, VR, digital camera, automobile, medical equipment etc. .

We got high reputation from our customers from all areas



1> Company introduction

1.1> Main Production Processes



Pins Production



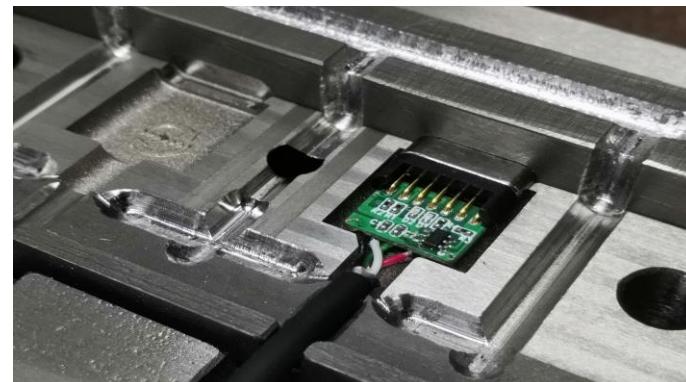
CNC Process



Pins Assembly



Injection



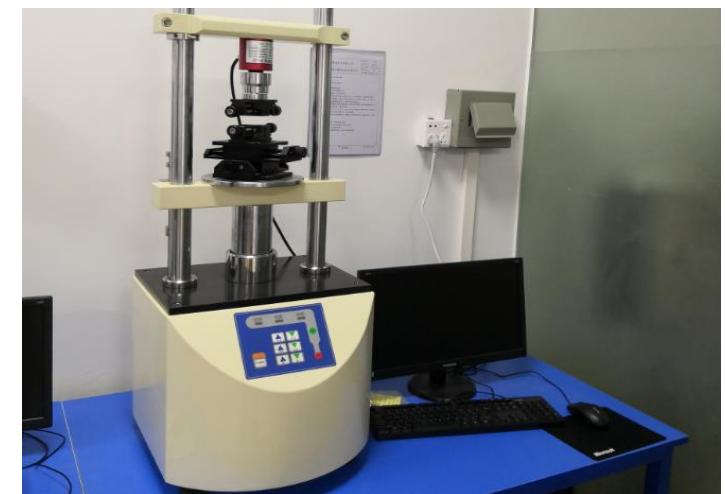
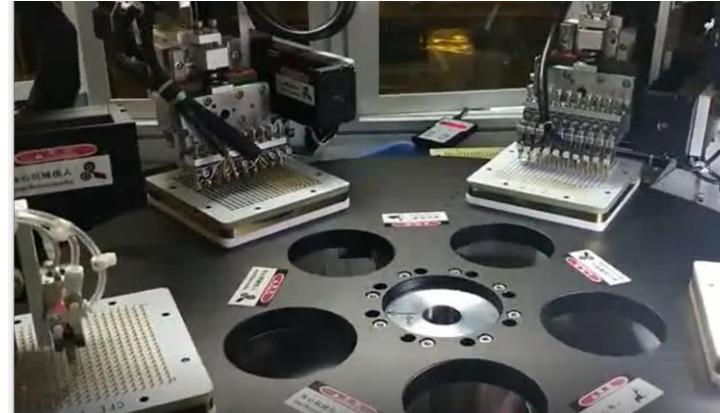
Over-molding



Cable Assembly

1> Company introduction

1.2> Testing equipment's



1> Company introduction

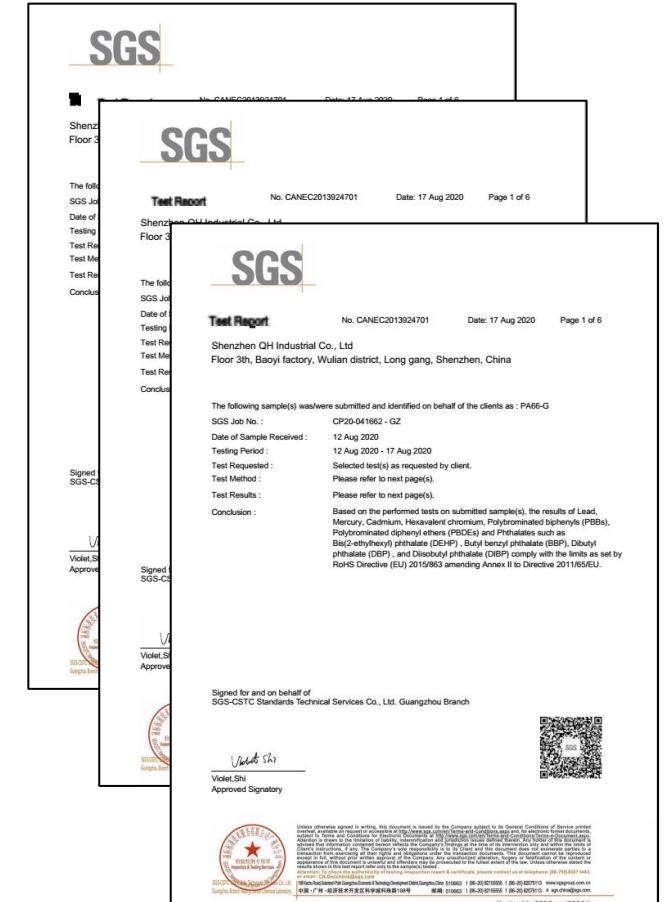
1.3> Certification



ISO Certification,CE,CCC



Product Patents

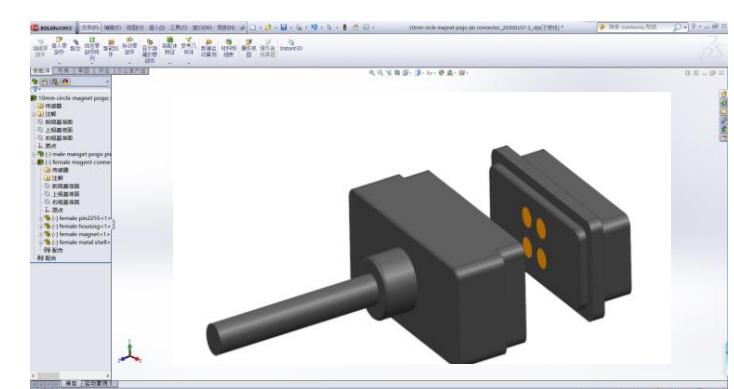
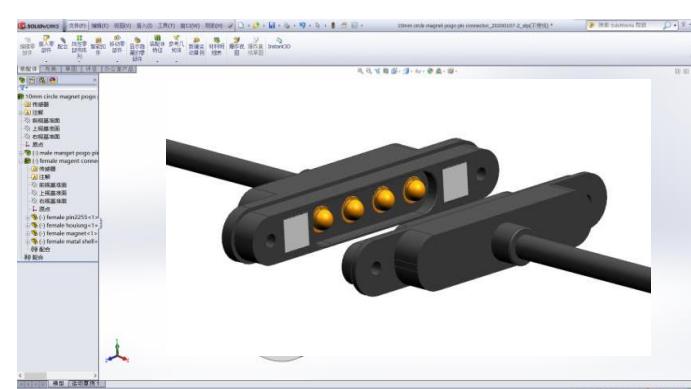
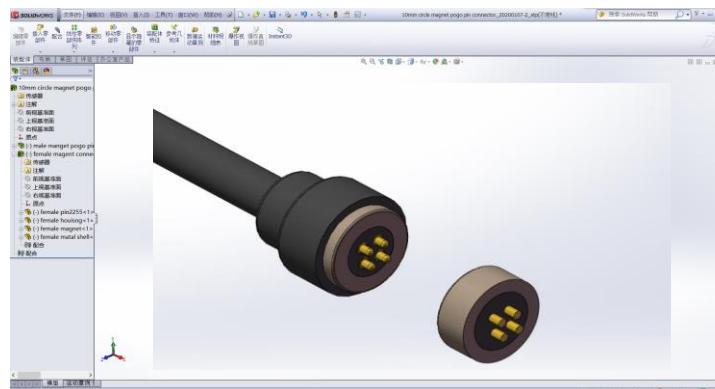
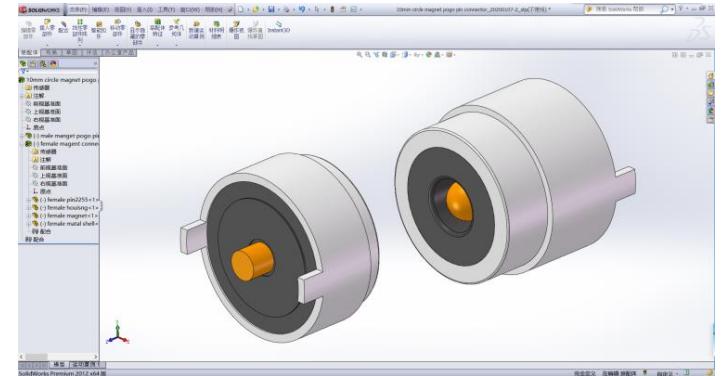


SGS RoHS, REACH, UL, Ca65, IP67

1> Company introduction

1.4> R & D Capability

1. More than 10 years experience
2. Solutions for customers with 2D / 3D design simulation, freely offer on customized solution
3. Kinds of testing equipment's to make sure product performance



1> Company introduction

1.5> Advantages

1.5.1 More than 10 years experience for connectors.

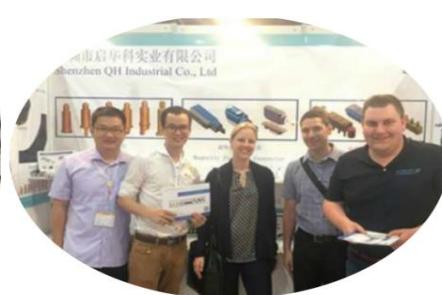
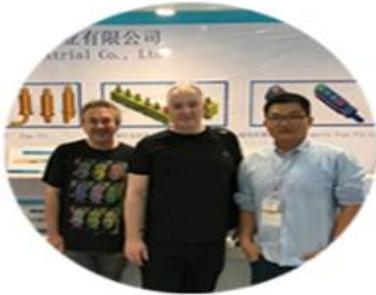
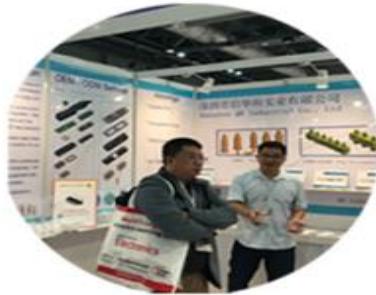
1.5.2 ISO9001 Certificated Factory.

1.5.3 Daily capacity is more than 100,000 pcs , can shorten the lead time for samples and mass production.

1.5.4 R&D Capability for pogo pin , pogo pin connector , magnetic connector, cable connectors etc.

1.5.5 Solutions for customers with 2D / 3D design simulation, freely offer on customized solution

2> Business Partners



JABIL

ZEBRA

SMK

SLENDERTONE®



Business Partners from all over the world

3.1> Pogo pin

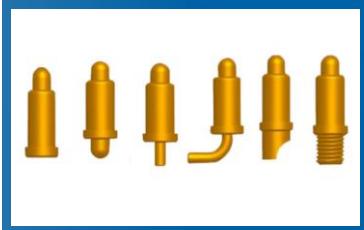
3.2> Pogo pin connector

3.3> Magnetic pogo pin connector

3.4> Magnetic cable connector with USB / Cable connector with USB

3> Product Catalogue

Pogo Pin



Different Styles of Pogo Pins

Pogo Pin Connectors



SMT Pogo Pin Connector

Magnetic Pogo Pin Connector (with PCB)



Magnetic 2Pin Pogo Pin Connector

Magnetic Cable Connector (Charge & Signal Transition)



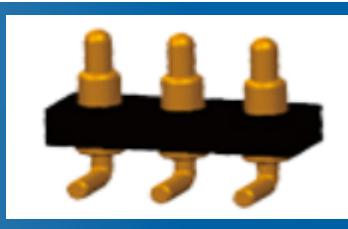
Magnetic 2Pin Cable Connector



Magnetic 2Pin Cable Connector



Different Styles of Structures



Right Angle Pogo Pin Connector



Magnetic 3Pin Pogo Pin Connector



Magnetic 4Pin Connector with PCB



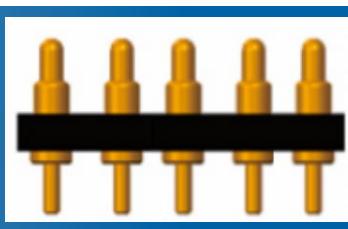
Magnetic 3Pin Cable Connector



Magnetic 3Pin Cable Connector



Different Dimensions / Current Rating



DIP Pogo Pin Connector



Magnetic 4Pin Pogo Pin Connector



Magnetic 5Pin Connector with PCB



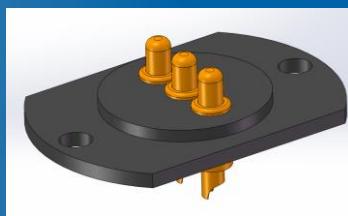
Magnetic 4Pin Cable Connector



Magnetic 4Pin Cable Connector



Rolling Pogo Pin



Customized Pogo Pin Connector



Magnetic 5Pin Pogo Pin Connector



Magnetic 7Pin Connector with PCB



Magnetic 7Pin Cable Connector

**Customized
Solution**

3> Product Catalogue

3.1> Pogo pin - BOM & Inside structures

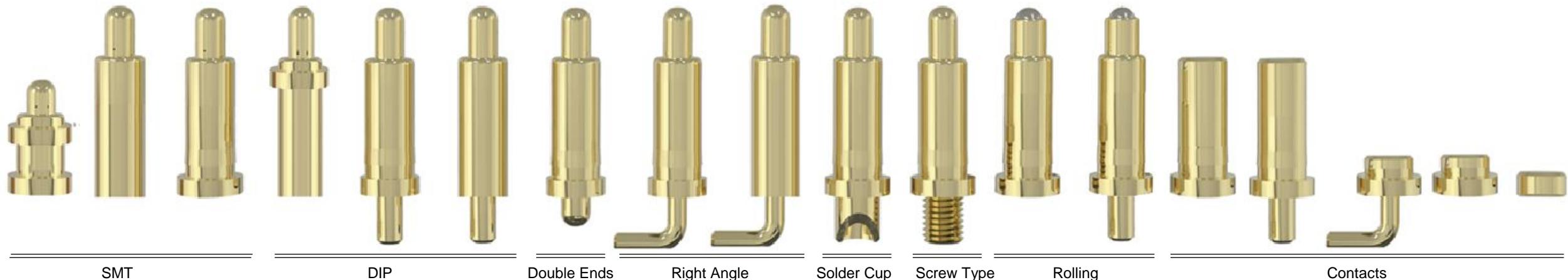


Characteristics

- 1> Current Rating : 1A to 60A
- 2> Spring Force: 20gf ~5000gf
- 3> Gold Plating: 1uin to 50uin
- 4> Waterproof
- 5> Lifecycles: Can be as higher as 1,000,000
- 6> Dimension can be manufactured in different diameters / length to fulfill different application



3.1> Pogo pin - Styles



In order to fulfill different kinds of application, we QH can offer various pogo pins or contacts meet customers' demand.

All kinds of products can be manufactured in different dimension ,length / diameter etc., to fulfill different application

3.1> Pogo pin - Dimensions

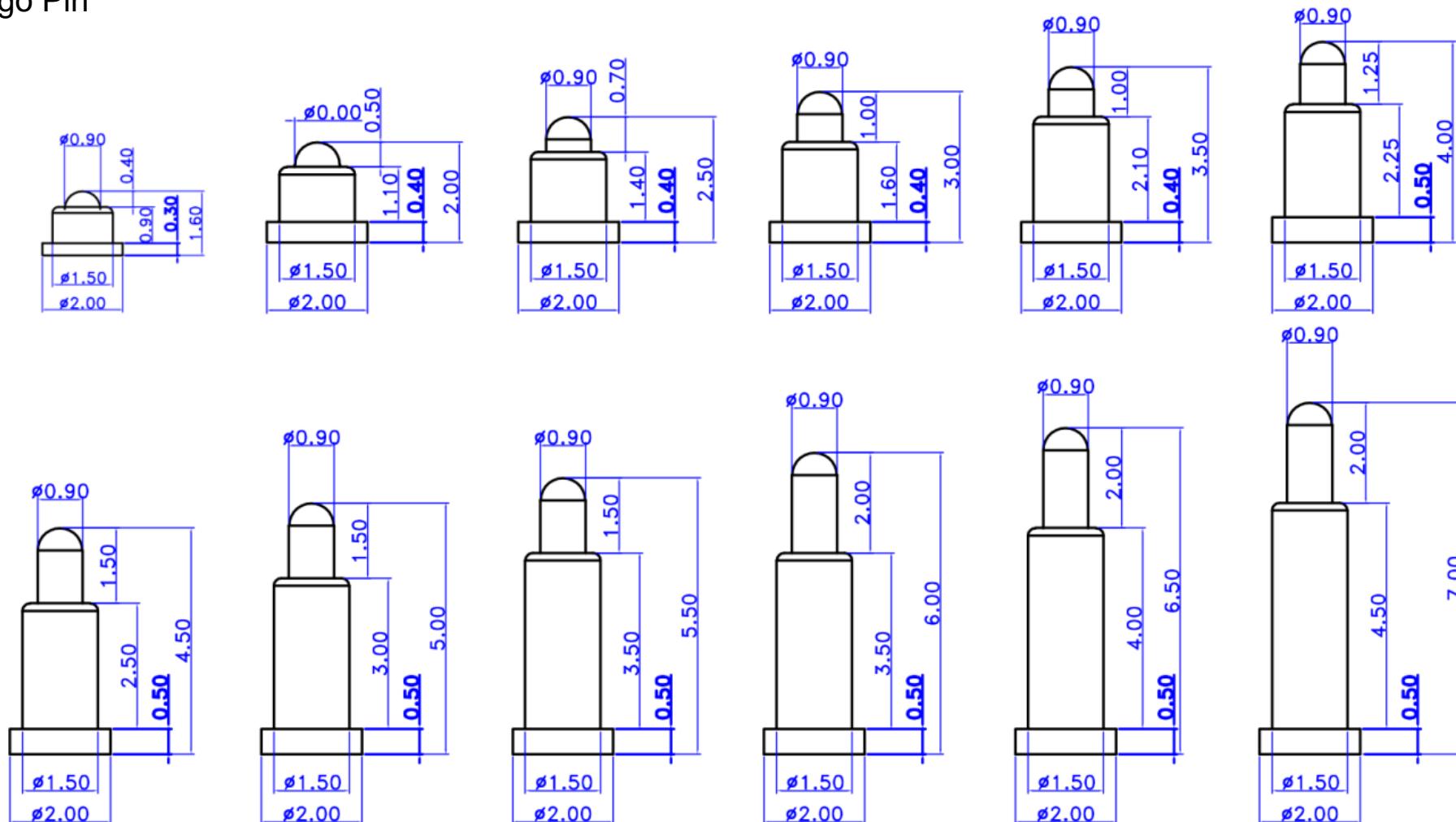


Part of different diameter to fulfill different application

3.1.1> SMT Pogo Pin

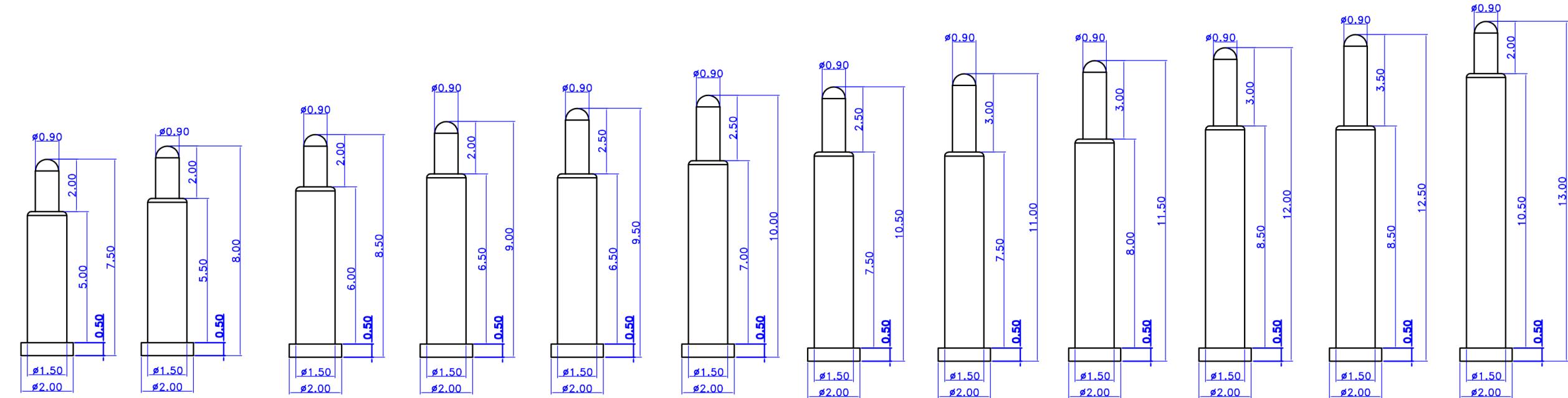


3.1.1> SMT Pogo Pin



List part of the standard parts in this chart, more dimensions can contact with us

3.1.1> SMT Pogo Pin



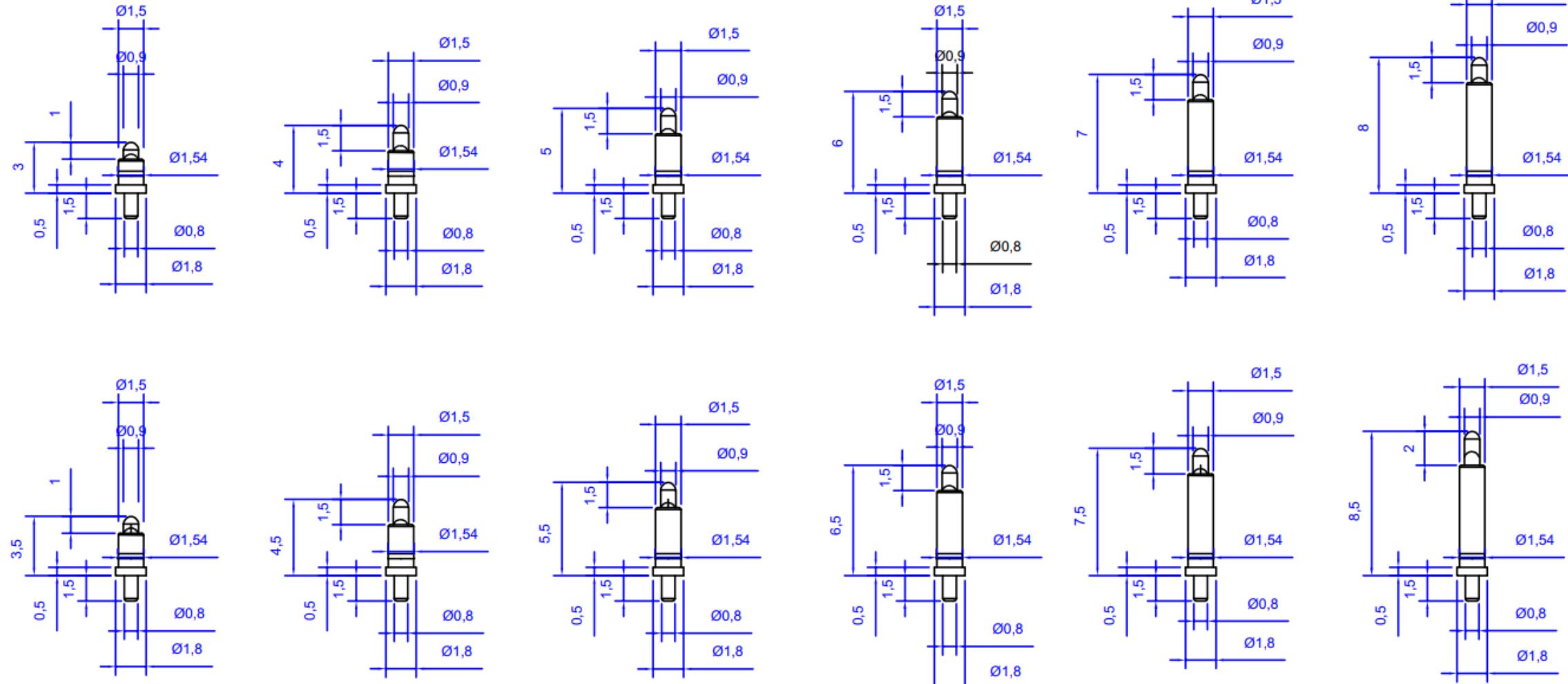
List part of the standard parts in this chart, more dimensions can contact with us

3.1.2> DIP Pogo Pin



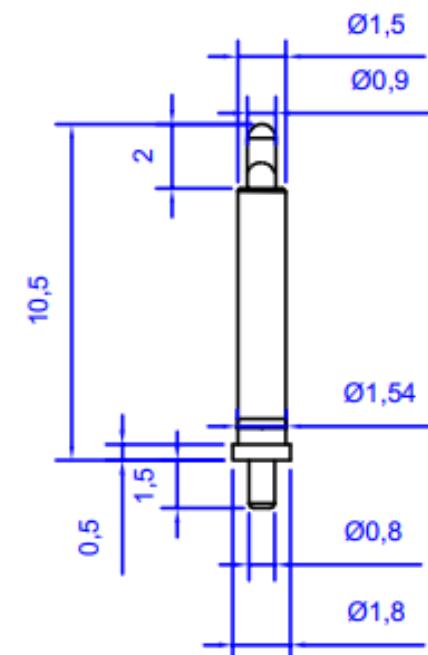
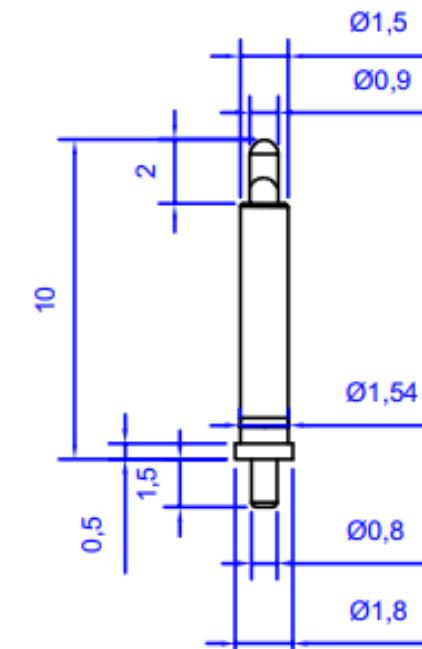
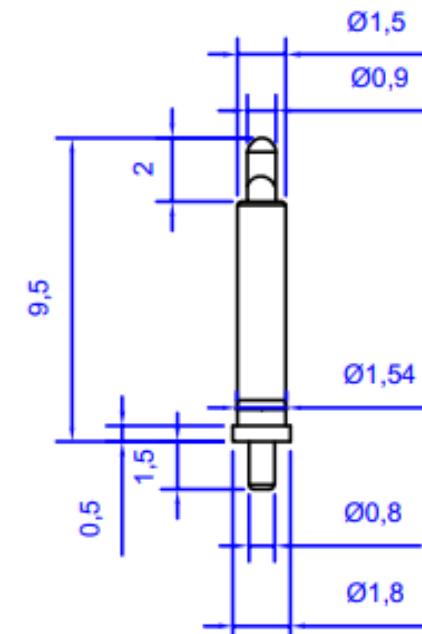
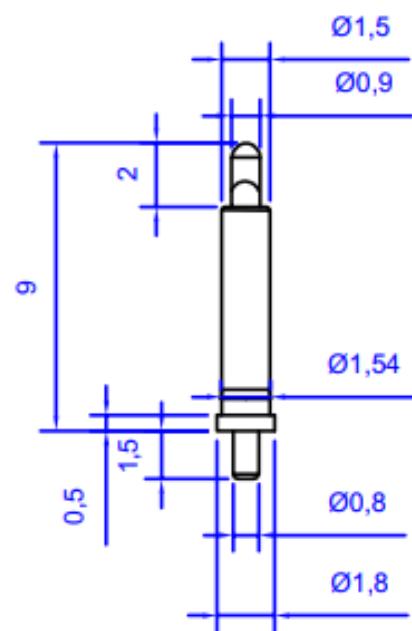
List part of the standard parts in this chart, more dimensions can contact with us

3.1.2> DIP Pogo Pin



List part of the standard parts in this chart, more dimensions can contact with us

3.1.2> DIP Pogo Pin



List part of the standard parts in this chart, more dimensions can contact with us

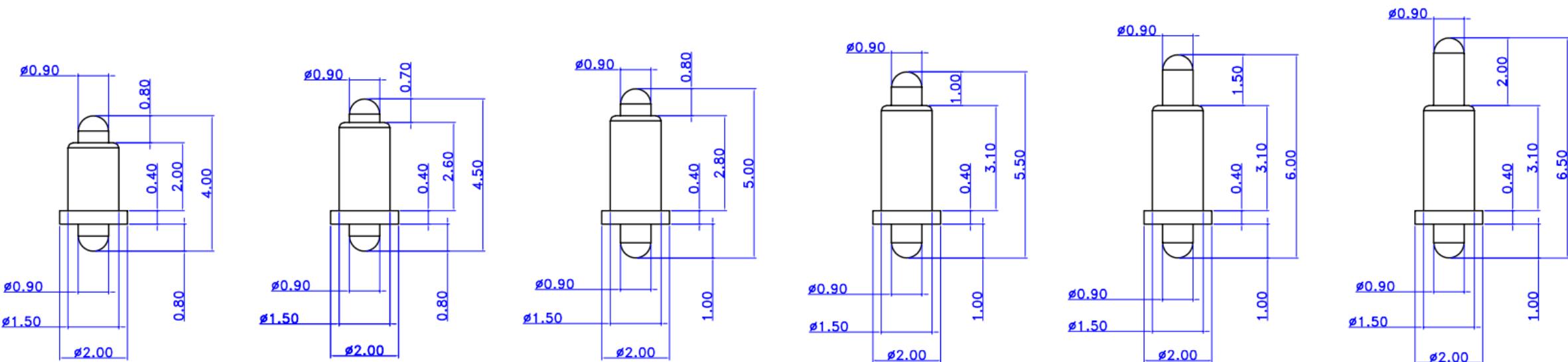
3.1.3> Double Ends Pogo Pin Table



List part of the standard parts in this chart, more dimensions can contact with us

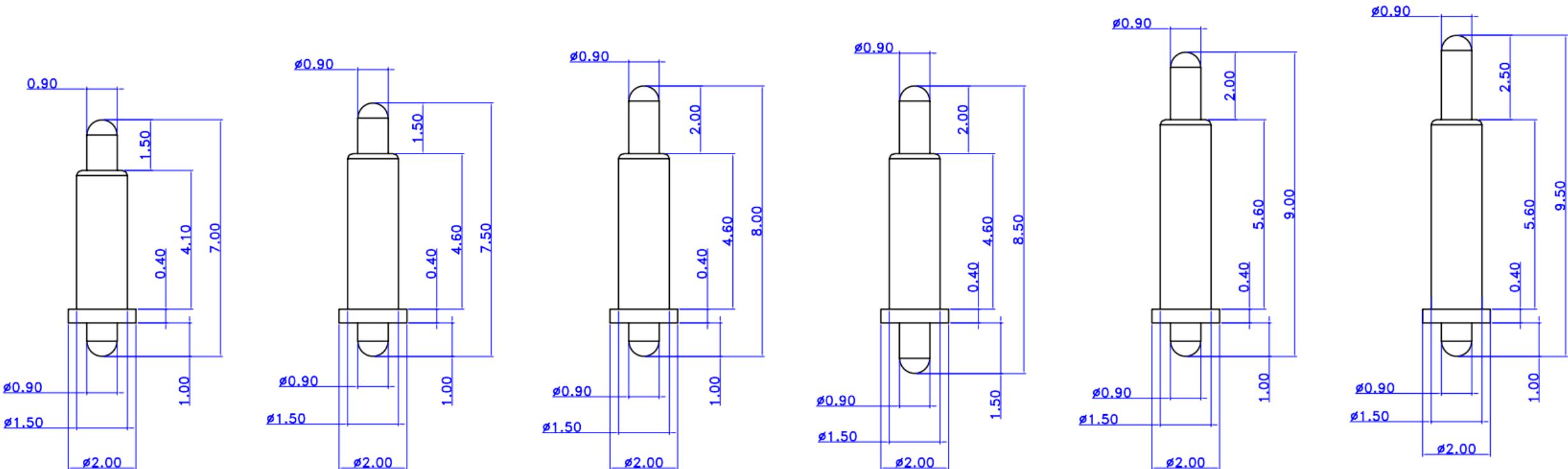
3> Product Catalogue

3.1.3> Double Ends Pogo Pin Table



List part of the standard parts in this chart, more dimensions can contact with us

3.1.3> Double Ends Pogo Pin Table



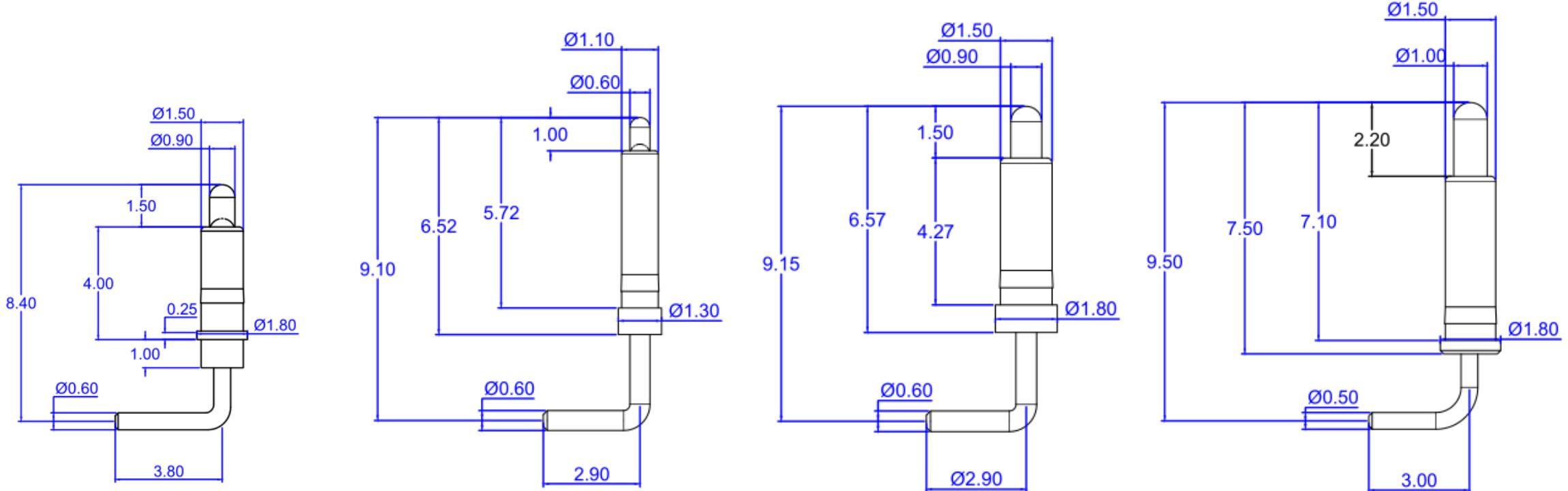
List part of the standard parts in this chart, more dimensions can contact with us

3.1.4> Right Angle Pogo Pin



List part of the standard parts in this chart, more dimensions can contact with us

3.1.3> Double Ends Pogo Pin Table



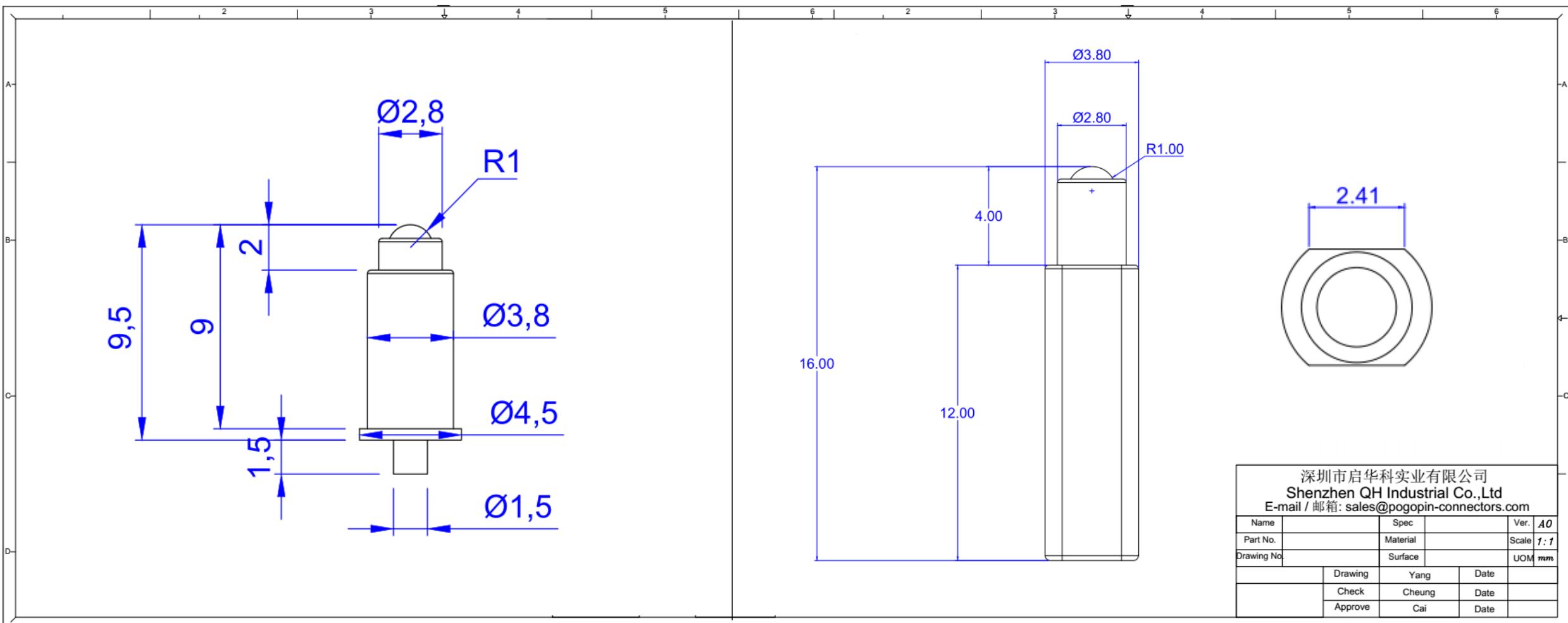
List part of the standard parts in this chart, more dimensions can contact with us

3.1.5> Rolling Pogo Pin

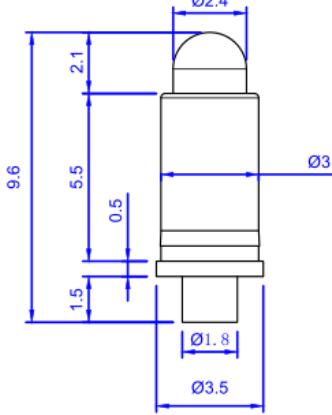


List part of the standard parts in this chart, more dimensions can contact with us

3.1.5> Rolling Pogo Pin



3.1.6> Hight Current Rating Pogo Pin

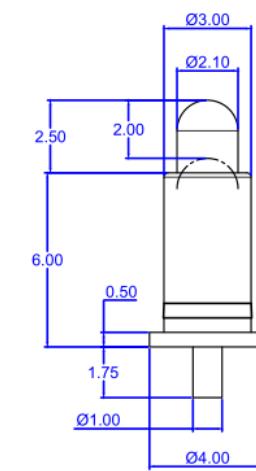


1.Electrical / 电气性能
 1.1 Current Rate / 电流 : 5 A
 1.2 Contact Resistance / 接触电阻 : 50 mΩ

2.Environmental / 环境
 2.1 Operating temperature range / 工作温度 : -40°C ~ 80°C

3.Mechanical / 机械性能
 3.1 Working Stroke / 行程 : 1.6 mm
 3.2 Durability / 耐久性 : 10,000 cycles
 3.3 Spring force / 弹力 : 110 gf +/- 30gf

4.Material / 材料
 4.1 Plunger / 针头 : Brass , 5u" gold Plating
 4.2 Barrel / 针管 : Brass , 5u" gold Plating
 4.3 Spring / 弹簧 : SUS304

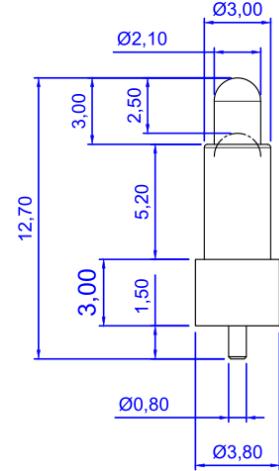


1.Electrical / 电气性能
 1.1 Current Rate / 电流 : 5 A
 1.2 Contact Resistance / 接触电阻 : 50 mΩ

2.Environmental / 环境
 2.1 Operating temperature range / 工作温度 : -40°C ~ 80°C

3.Mechanical / 机械性能
 3.1 Working Stroke / 行程 : 2.0 mm
 3.2 Durability / 耐久性 : 10,000 cycles
 3.3 Spring force / 弹力 : 110 gf +/- 30gf

4.Material / 材料
 4.1 Plunger / 针头 : Brass , 5u" gold Plating
 4.2 Barrel / 针管 : Brass , 5u" gold Plating
 4.3 Spring / 弹簧 : SUS304

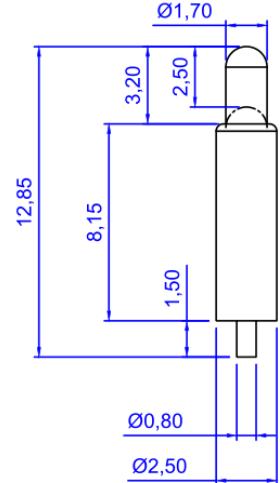


1.Electrical / 电气性能
 1.1 Current Rate / 电流 : 5 A
 1.2 Contact Resistance / 接触电阻 : 50 mΩ

2.Environmental / 环境
 2.1 Operating temperature range / 工作温度 : -40°C ~ 80°C

3.Mechanical / 机械性能
 3.1 Working Stroke / 行程 : 2.5 mm
 3.2 Durability / 耐久性 : 10,000 cycles
 3.3 Spring force / 弹力 : 110 gf +/- 30gf

4.Material / 材料
 4.1 Plunger / 针头 : Brass , 5u" gold Plating
 4.2 Barrel / 针管 : Brass , 5u" gold Plating
 4.3 Spring / 弹簧 : SUS304

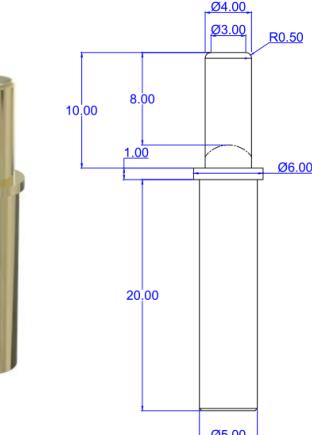


1.Electrical / 电气性能
 1.1 Current Rate / 电流 : 5 A
 1.2 Contact Resistance / 接触电阻 : 50 mΩ

2.Environmental / 环境
 2.1 Operating temperature range / 工作温度 : -40°C ~ 80°C

3.Mechanical / 机械性能
 3.1 Working Stroke / 行程 : 2.5 mm
 3.2 Durability / 耐久性 : 10,000 cycles
 3.3 Spring force / 弹力 : 110 gf +/- 30gf

4.Material / 材料
 4.1 Plunger / 针头 : Brass , 10u" gold Plating
 4.2 Barrel / 针管 : Brass , 10u" gold Plating
 4.3 Spring / 弹簧 : SUS304



1.Electrical / 电气性能
 1.1 Current Rate / 电流 : 30 A
 1.2 Contact Resistance / 接触电阻 : 50 mΩ

2.Environmental / 环境
 2.1 Operating temperature range / 工作温度 : -40°C ~ 80°C

3.Mechanical / 机械性能
 3.1 Working Stroke / 行程 : 2.5 mm
 3.2 Durability / 耐久性 : 10,000 cycles
 3.3 Spring force / 弹力 : 110 gf +/- 30gf

4.Material / 材料
 4.1 Plunger / 针头 : Brass , 10u" gold Plating
 4.2 Barrel / 针管 : Brass , 10u" gold Plating
 4.3 Spring / 弹簧 : SUS304

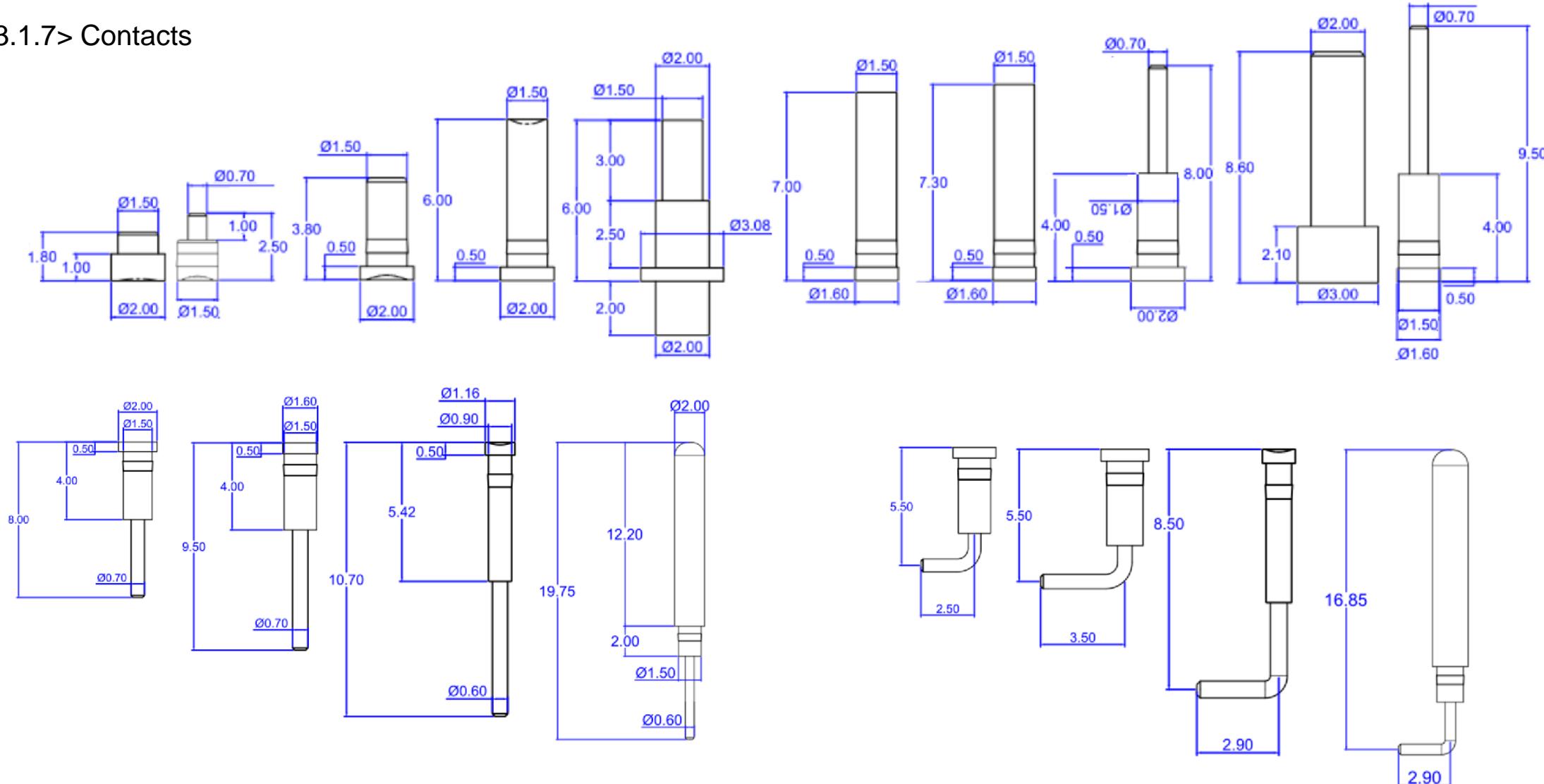
List part of the standard parts in this chart, more dimensions can contact with us

3.1.7> Contacts



List part of the standard parts in this chart, more dimensions can contact with us

3.1.7> Contacts

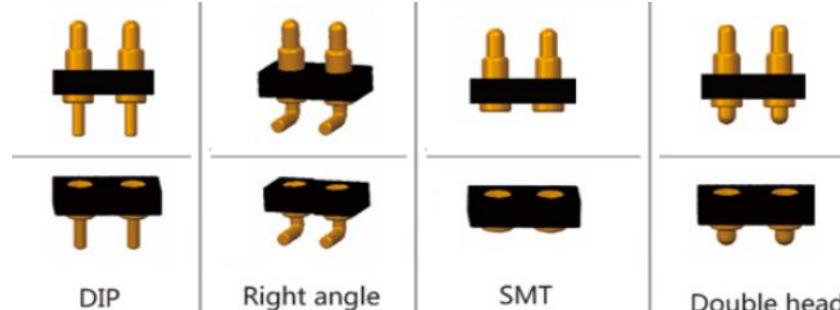


List part of the standard parts in this chart, more dimensions can contact with us

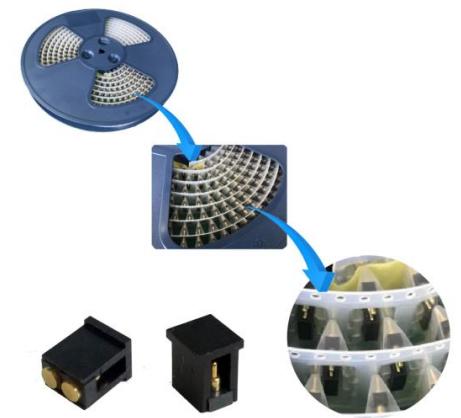
3.2> Pogo Pin Connector



Pogo Pin Connector BOM



Different Style of Pogo Pin Connector

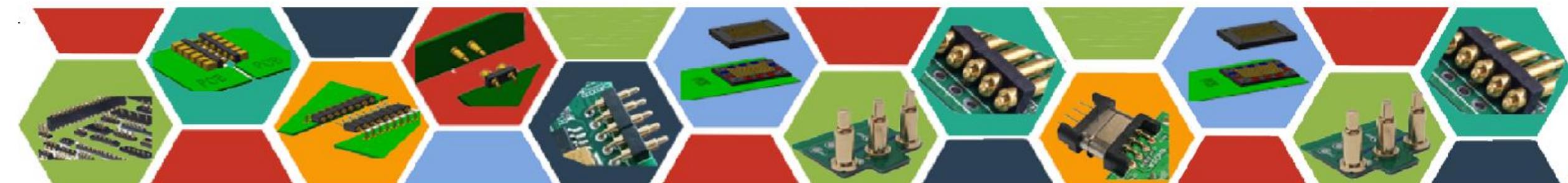


Reel & Tape Package

Pogo Pin Connectors are made up of different styles of pogo pins and plastic housings.

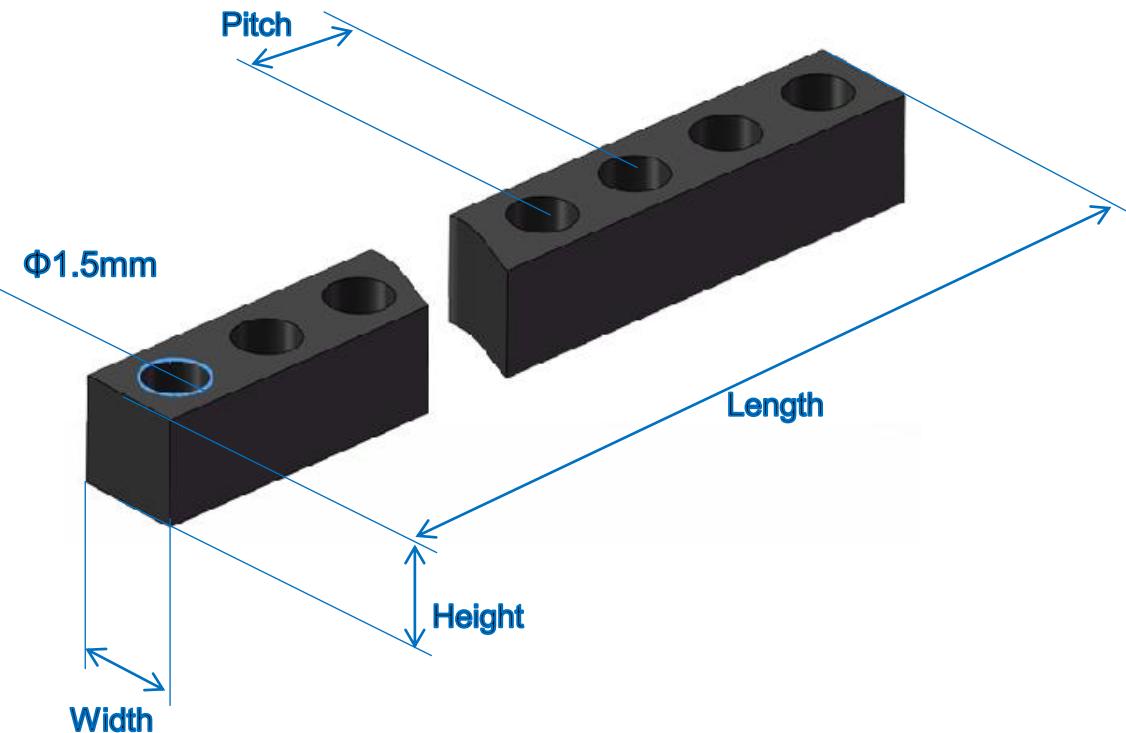
All the pogo pins mentioned above can be assembled with different styles of housing to become different style of finished goods.

QH offer a lot of standard plastic housing in stock to reduce the mold fee and lead time for our customers. Part of the housings are listed in the coming pages

Applications of different kinds of connectors

3.2> Pogo pin connector - Housing

Standard Housing in stock- Single Row

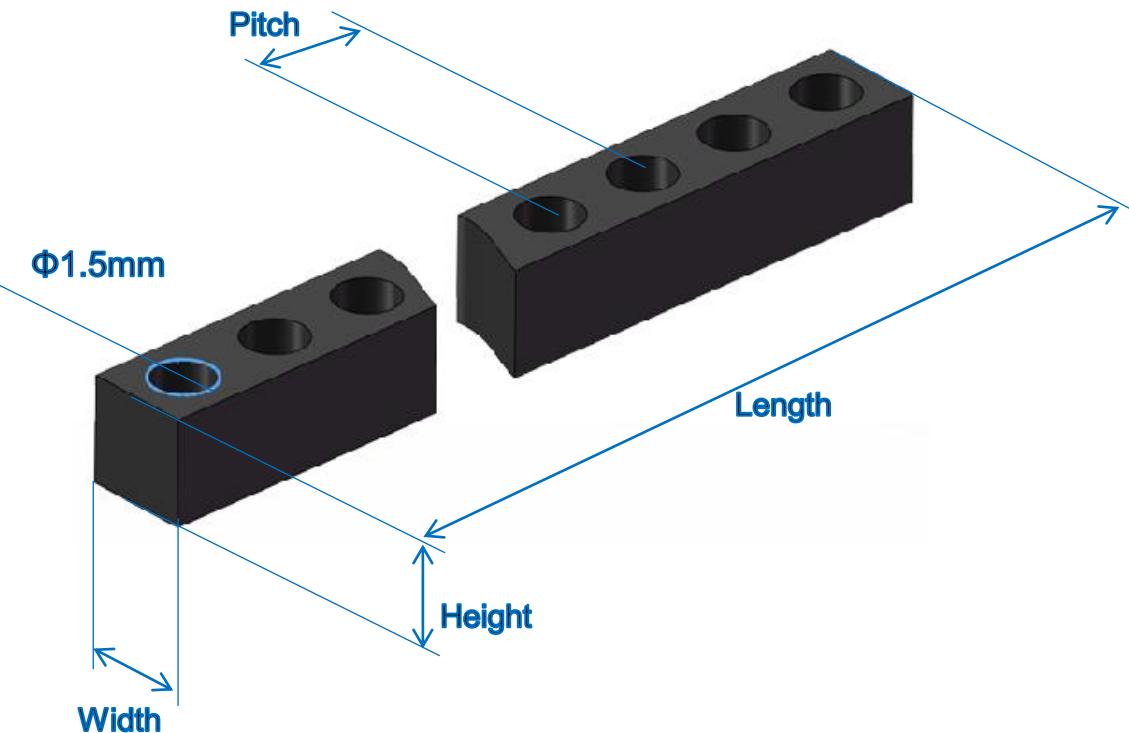


- A> SMT / SMD / DIP/ Right Angle / Rolling Pogo pin connectors are all available for connectors
 B> Pins can be varied from 2pin connectors to 100 pin connectors or even more
 C> Housing: PA46,PA66+30%GF,LCP,PA9T etc

QH Housing Code	Pin Qty	Pitch/mm	Row	Positioning Pillar	Inner Diameter/mm	Drawing
QH-HS01-001-000-3.0H	1	0.0	1	Yes	1.5	
QH-HS02-001-020-1.5H	2	2.0	1	No	1.5	
QH-HS02-002-020-2.0H	2	2.0	1	No	1.5	
QH-HS02-003-020-2.5H	2	2.0	1	No	1.5	
QH-HS02-004-025-1.5H	2	2.5	1	No	1.5	
QH-HS02-005-025-2.5H	2	3.0	1	No	1.5	
QH-HS02-006-030-1.5H	2	3.0	1	No	1.5	
QH-HS02-007-030-2.0H	2	3.0	1	No	1.5	
QH-HS02-008-035-1.5H	2	3.5	1	No	1.5	
QH-HS02-009-035-2.3H-B	2	3.5	1	No	1.5	
QH-HS02-011-035-2.3H-C	2	3.5	1	No	1.5	
QH-HS02-012-040-1.8H-A	2	4.0	1	No	1.5	
QH-HS02-013-040-1.8H-B	2	4.0	1	No	1.5	
QH-HS02-014-040-1.5H	2	4.0	1	No	1.5	
QH-HS02-015-040-4.4H	2	4.0	1	No	1.5	
QH-HS02-016-051-1.5H	2	5.1	1	No	1.5	
QH-HS02-020-040-3.65H	2	4.0	1	No	1.5	
QH-HS02-021-051-2.5H	2	5.1	1	No	1.5	
QH-HS02-022-035-3.0H	2	3.5	1	No	1.5	
QH-HS03-001-025-1.5H	3	2.5	1	No	1.5	
QH-HS03-002-025-1.6H	3	2.5	1	No	1.5	
QH-HS03-002-025-3.25H	3	2.5	1	No	1.5	
QH-HS03-005-030-1.5H	3	3.0	1	No	1.5	
QH-HS03-007-040-1.5H	3	4.0	1	No	1.5	
QH-HS03-008-051-2.2H	3	5.1	1	No	1.5	
QH-HS03-009-025-2.5H	3	2.5	1	No	1.5	

3.2> Pogo pin connector - Housing

Standard Housing in stock- Single Row



A> SMT / SMD / DIP/ Right Angle / Rolling Pogo pin connectors are all available for connectors

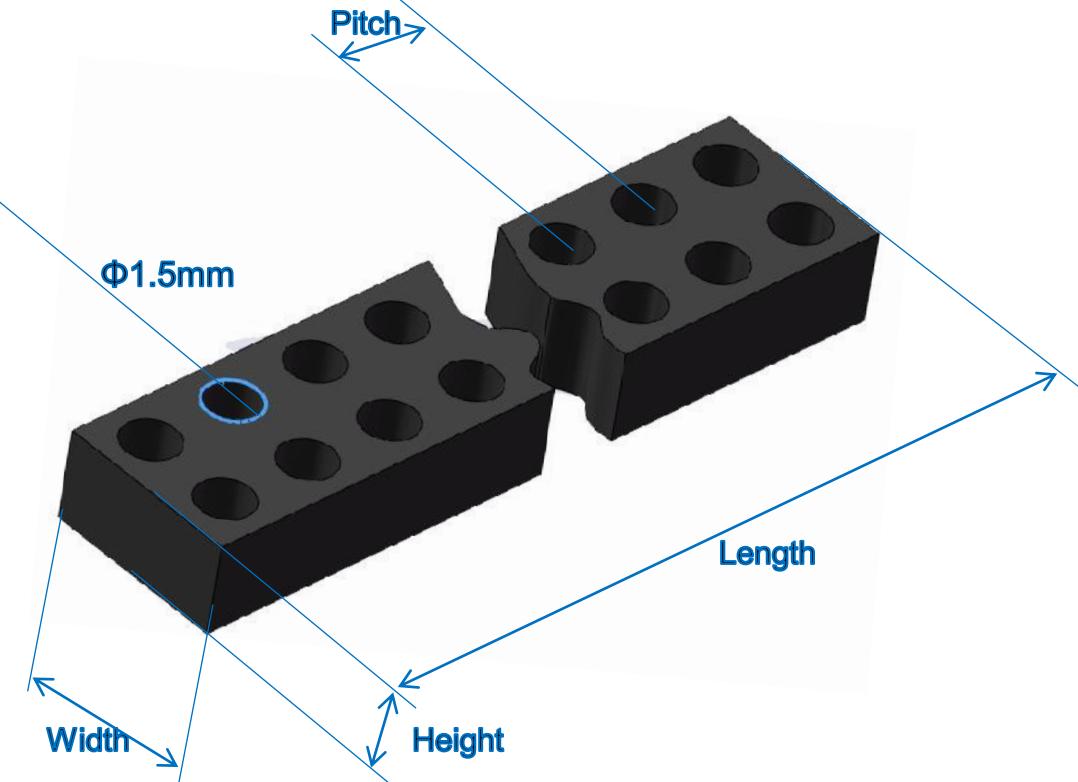
B> Pins can be varied from 2pin connectors to 100 pin connectors or even more

C> Housing: PA46,PA66+30%GF,LCP,PA9T etc

QH Housing Code	Pin Qty	Pitch/mm	Row	Positioning Pillar	Inner Diameter/mm	Drawing
QH-HS03-010-030-2.0H	3	3.0	1	No	1.5	
QH-HS03-010-030-2.5H	3	3.0	1	No	1.5	
QH-HS03-018-035-2.2H	3	3.5	1	No	1.5	
QH-HS04-001-025-2.5H	4	2.5	1	No	1.5	
QH-HS04-002-025-2.0H	4	2.5	1	No	1.5	
QH-HS04-003-025-1.5H	4	2.5	1	No	1.5	
QH-HS04-006-018-1.5H	4	1.8	1	No	1.5	
QH-HS04-008-035-2.5H	4	3.5	1	No	1.5	
QH-HS04-009-025-2.8H	4	2.5	1	No	1.5	
QH-HS04-010-025(2R)-2.0H	4	2.5	1	No	1.5	
QH-HS04-011-030-1.5H	4	3.0	1	No	1.5	
QH-HS04-012-035/040-2.5H	4	3.0	1	No	1.5	
QH-HS05-001-025-2.2H	5	2.5	1	No	1.5	
QH-HS05-004-020-1.5H	5	2.0	1	No	1.5	
QH-HS05-008-025-1.5H	5	2.5	1	No	1.5	
QH-HS05-009-030-1.5H	5	3.0	1	No	1.5	
QH-HS05-011-025-5.1H	5	2.5	1	No	1.5	
QH-HS06-001-025-2.5H	6	2.5	1	No	1.5	
QH-HS06-002-025-4.0H	6	2.5	1	No	1.5	
QH-HS06-003-025-1.7H	6	2.5	1	No	1.5	
QH-HS06-004-025-1.5H	6	2.5	1	No	1.5	
QH-HS06-009-030-1.5H	6	3.0	1	No	1.5	
QH-HS07-001-025-3.2H	7	2.5	1	No	1.5	
QH-HS07-002-025-2.5H	7	2.5	1	No	1.5	
QH-HS08-001-025(2R)-2.5H	8	2.5	1	No	1.5	
QH-HS08-002-025-3.5H	8	2.5	1	No	1.5	
QH-HS08-004-025-2.5H	8	2.5	1	No	1.5	
QH-HS09-001-025-2.5H	9	2.5	1	No	1.5	
QH-HS09-002-025-1.5H	9	2.5	1	No	1.5	
QH-HS12-003-025-2.5H	12	2.5	1	No	1.5	

3.2> Pogo pin connector - Housing

Standard Housing in stock- Double Rows



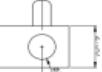
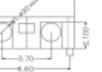
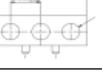
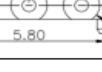
QH Housing Code	Pin Qty	Pitch/mm	Row	Positioning Pillar	Inner Diameter/mm	Drawing
QH-HS04-004-025(2R)-1.5H-A	4	2.5	2	Yes	1.5	
QH-HS04-005-025(2R)-1.5H-B	4	2.5	2	Yes	1.5	
QH-HS05-002-025 (2R) -2.0H	5	2.5	2	No	1.5	
QH-HS06-005-025 (2R) -1.5H-A	6	2.5	2	No	1.5	
QH-HS06-006-025 (2R) -1.5H-B	6	2.5	2	No	1.5	
QH-HS06-008-025 (2R) -2.5H 带槽	6	2.5	2	No	1.5	
QH-HS08-003-025(2R)-1.5H	8	2.5	2	No	1.5	
QH-HS10-001-025(2R)-2.5H	10	2.5	2	No	1.5	
QH-HS10-003-025(2R)-1.5H	10	2.5	2	No	1.5	
QH-HS12-001-025(2R)-2.5H	12	2.5	2	No	1.5	
QH-HS12-002-025(2R)-4.1H	12	2.5	2	No	1.5	
QH-HS12-004-025(2R)-2.0H	12	2.5	2	No	1.5	
QH-HS14-001-025(2R)-2.5H	14	2.5	2	No	1.5	
QH-HS16-001-025(2R)-4.0H	16	2.5	2	No	1.5	
QH-HS16-002-025(2R)-1.5H	16	2.5	2	No	1.5	
QH-HS20-004-025(2R)-2.0H	20	2.5	2	No	1.5	

A> SMT / SMD / DIP/ Right Angle / Rolling Pogo pin connectors are all available for connectors

B> Pins can be varied from 2pin connectors to 100 pin connectors or even more

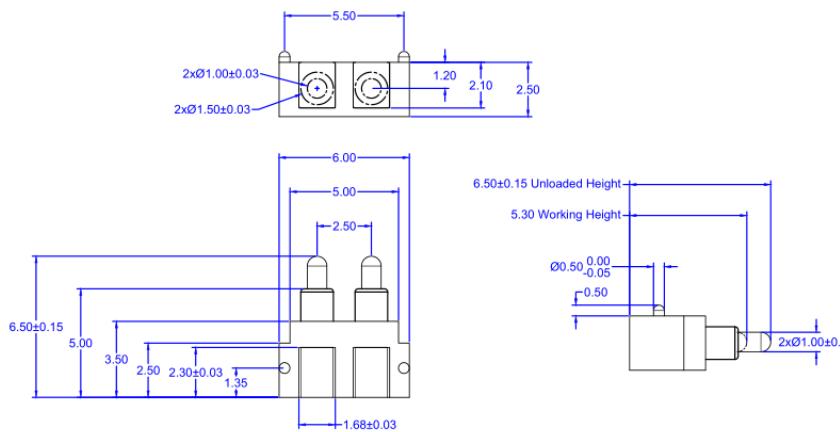
C> Housing: PA46,PA66+30%GF,LCP,PA9T etc

3.2> Pogo pin connector - Housing (Other styles in stock)

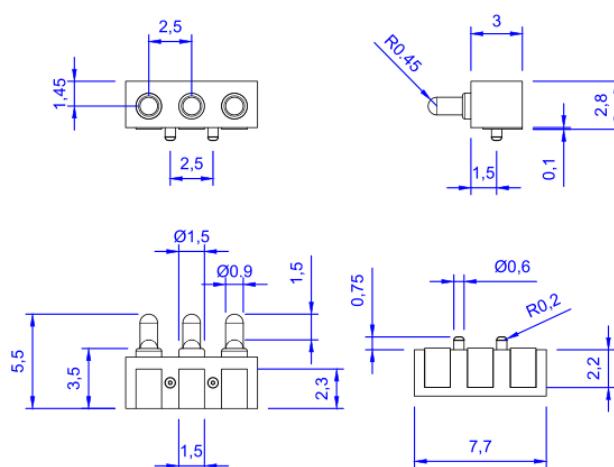
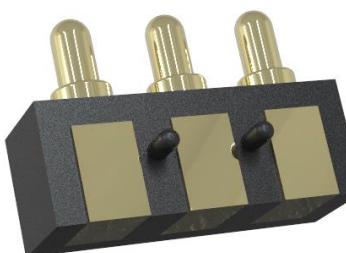
QH Housing Code	Pin Qty	Pitch/mm	Row	Positioning Pillar	Inner Diameter/mm	Drawing
QH-HS02-018-025(RA)-2.5H	2	2.5	1	Yes	1.5	
QH-HS02-019-025(RA)-3.5H	2	2.5	1	Yes	1.5	
QH-HS02-023-037(PH)-2.8H	2	3.7	1	Yes	1.5	
QH-HS02-024-037(RA)-3.5H	2	3.7	1	Yes	1.5	
QH-HS03-003-028(RA)-1.5H	3	2.8	1	No	1.5	
QH-HS03-011-025(RA)-2.7H	3	2.5	1	Yes	1.5	
QH-HS03-011-025(RA)-3.0H	3	2.5	1	Yes	1.5	
QH-HS03-013-025-2.0H皮套	3	2.5	1	No	1.5	
QH-HS03-014-030-4.4H (RA)	3	3.0	1	Yes	1.5	
QH-HS03-015-020-4.4H (RA)	3	2.0	1	Yes	1.5	

QH Housing Code	Pin Qty	Pitch/mm	Row	Positioning Pillar	Inner Diameter/mm	Drawing
QH-HS03-016-030(RA)-5.0H	3	3.0	1	Yes	1.5	
QH-HS03-017-030(RA)-2.8H	3	3.0	1	Yes	1.5	
QH-HS04-007-025(RA)-4.4H	4	2.5	1	No	1.5	
QH-HS05-003-025-2.5H(皮套)	5	2.5	1	No	1.5	
QH-HS05-005-025-2.2H带耳朵	5	2.5	1	No	1.5	
QH-HS05-006-025-3.2H带耳朵	5	2.5	1	No	1.5	
QH-HS05-007-025-3.65H带耳朵	5	2.5	1	No	1.5	
QH-HS05-010-025 (RA) -2.7H	5	2.5	1	YES	1.5	
QH-HS06-007-025 (2R) -2.5H-带柱	6	2.5	2	YES	1.5	
QH-HS07-002-025 (RA) -7.0H	7	2.5	1	YES	1.5	

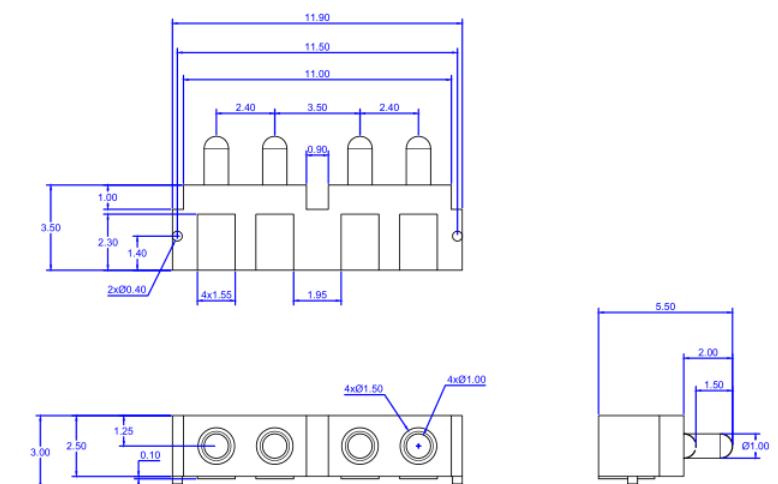
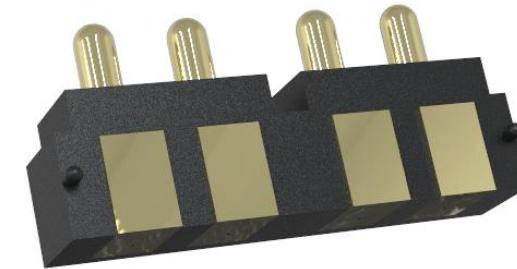
3.2> Pogo pin connector



2PIN SMD CONNECTOR



3PIN SMD CONNECTOR



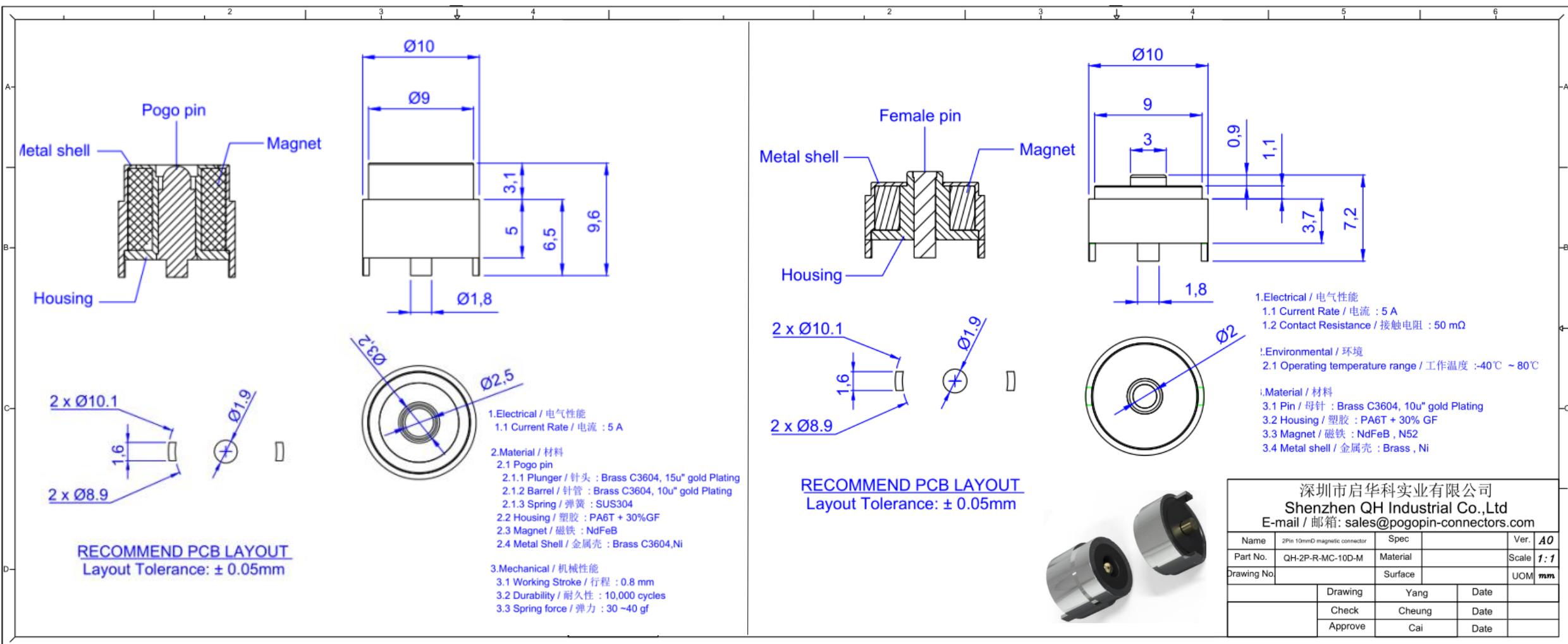
4PIN SMD CONNECTOR

3.3> Magnetic Pogo Pin Connector

Application	2Pin Round Magnetic Connector	2Pin Round Magnetic Connector	3Pin Magnetic Connector	4Pin Magnetic Connector	5Pin Magnetic Connector	6Pin Magnetic Connector	7Pin Magnetic Connector	7Pin Magnetic Connector
Item Code	QH-M-F&M-Round-001	QH-M-F&M-Round-002	QH-M-F&M-RW-003	QH-M-F&M-RW-004	QH-M-F&M-RW-005	QH-M-F&M-RW-006	QH-M-F&M-RW-007	QH-M-F&M-RW-008
Right Angle Pins								
Straight Pins								
With PCB								

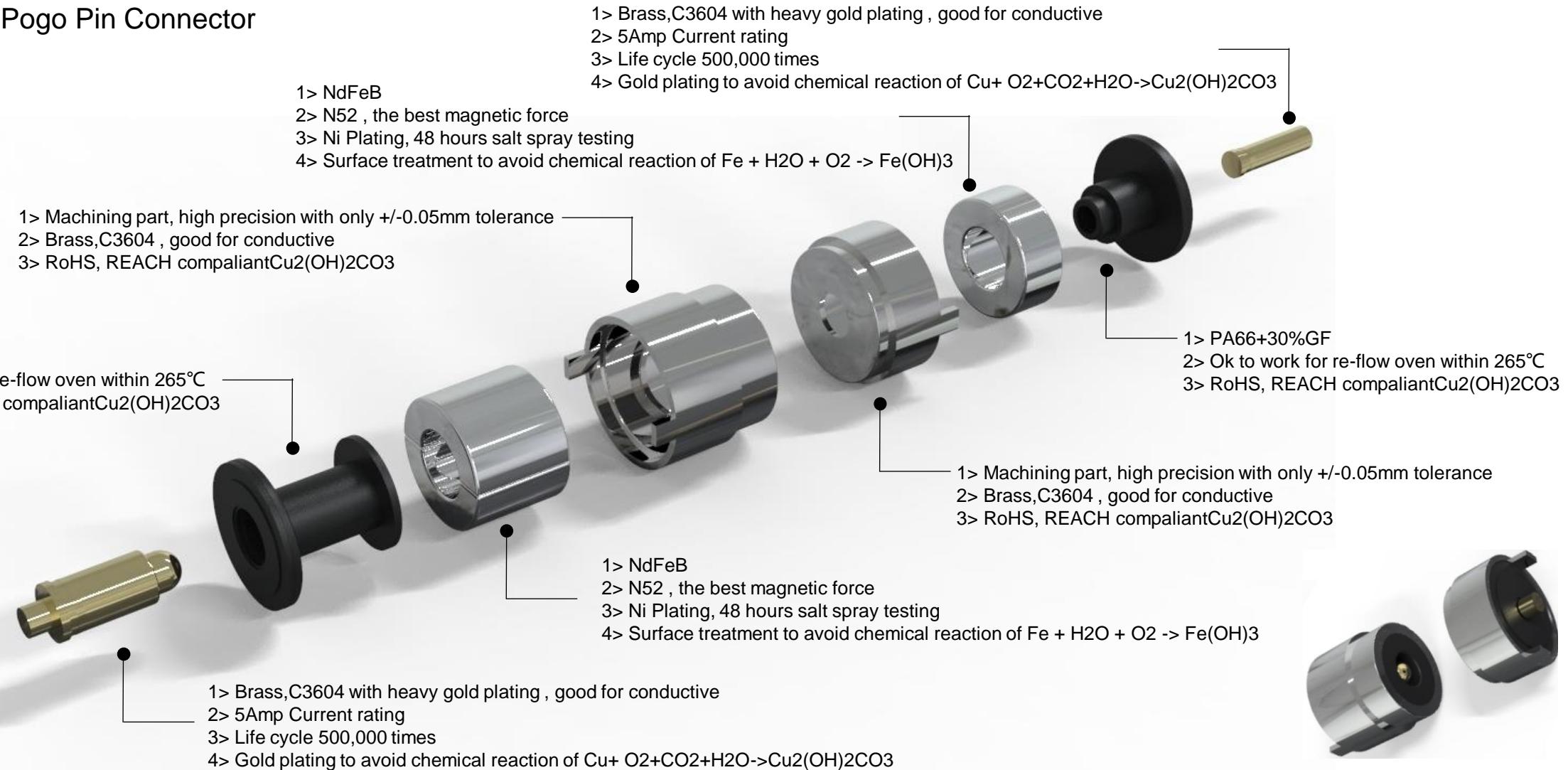
3.3> Magnetic Pogo Pin Connector

QH-M-F&M-Round-001



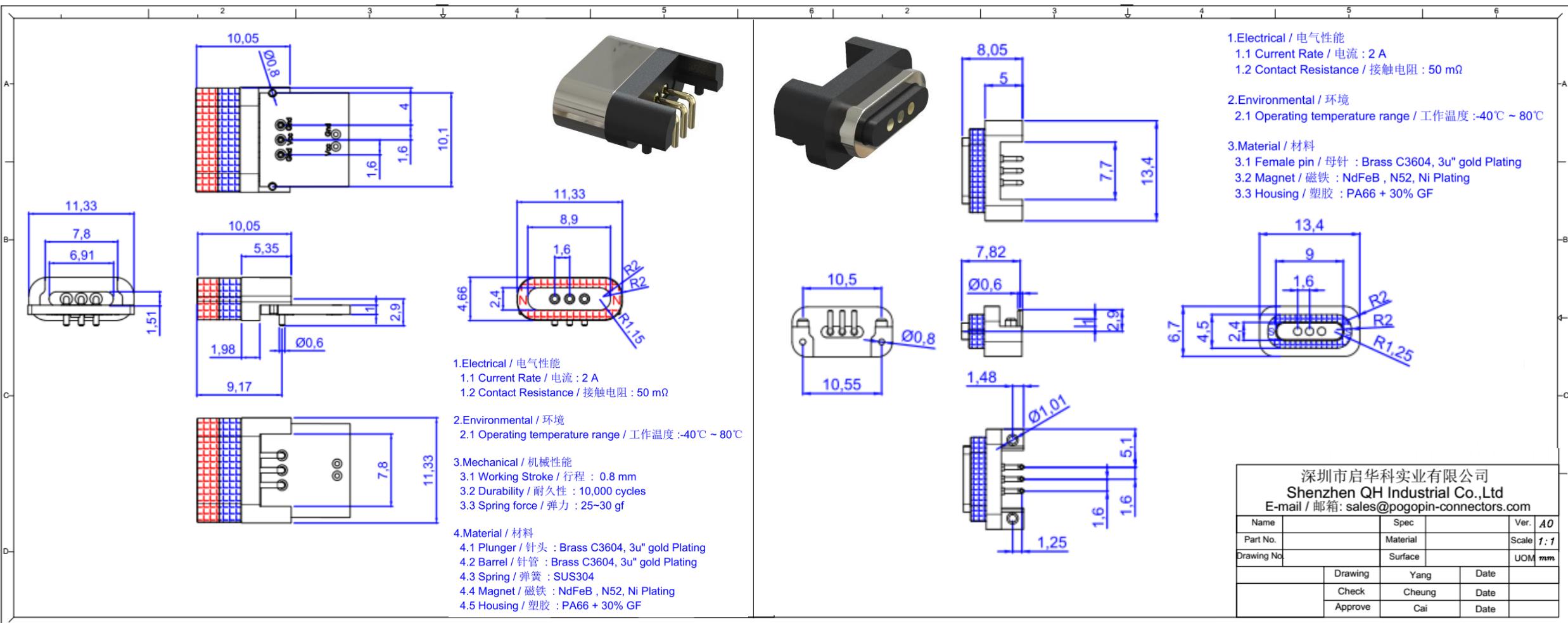
3> Product Catalogue

3.3> Magnetic Pogo Pin Connector



3.3> Magnetic Pogo Pin Connector

QH-M-F&M-RW-004



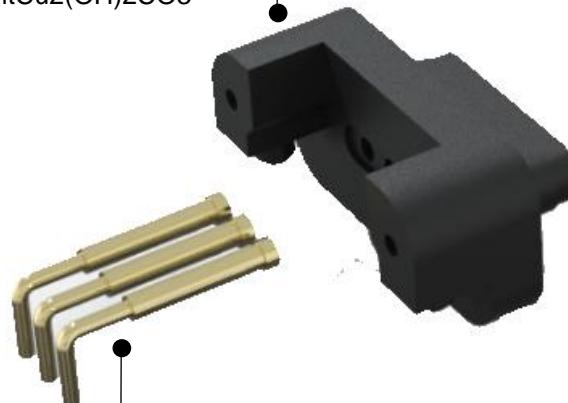
3.3> Magnetic Pogo Pin Connector

1> NdFeB

2> N52 , the best magnetic force

3> Ni Plating, 48 hours salt spray testing

4> Surface treatment to avoid chemical reaction of $\text{Fe} + \text{H}_2\text{O} + \text{O}_2 \rightarrow \text{Fe(OH)}_3$



1> Brass,C3604 with heavy gold plating , good for conductive

2> 3 Amp Current rating

3> Life cycle 500,000 times

4> Gold plating to avoid chemical reaction of $\text{Cu} + \text{O}_2 + \text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{Cu}_2(\text{OH})_2\text{CO}_3$

5> RoHS compliant



1> PA66+30%GF

2> Ok to work for re-flow oven within 265°C

3> RoHS, REACH compliant $\text{Cu}_2(\text{OH})_2\text{CO}_3$

1> Brass,C3604 with heavy gold plating , good for conductive

2> 3Amp Current rating

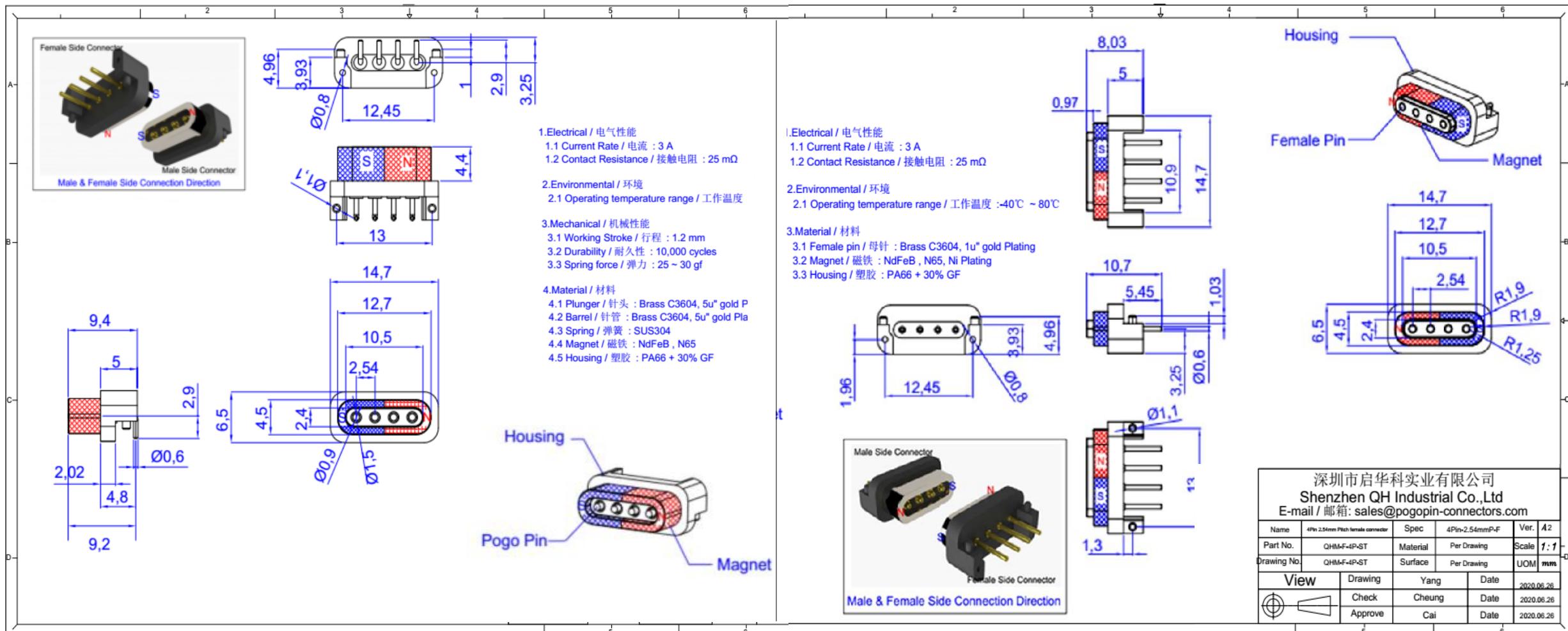
3> Life cycle 500,000 times

4> Gold plating to avoid chemical reaction of $\text{Cu} + \text{O}_2 + \text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{Cu}_2(\text{OH})_2\text{CO}_3$

5> RoHS compliant

3.3> Magnetic Pogo Pin Connector

QH-M-F&M-RW-005



3> Product Catalogue

3.3> Magnetic Pogo Pin Connector

1> Brass,C3604 with heavy gold plating , good for conductive

2> 3 Amp Current rating

3> Life cycle 500,000 times

4> Gold plating to avoid chemical reaction of Cu+ O₂+CO₂+H₂O->Cu₂(OH)₂CO₃

5> RoHS compliant

1> NdFeB

2> N52 , the best magnetic force

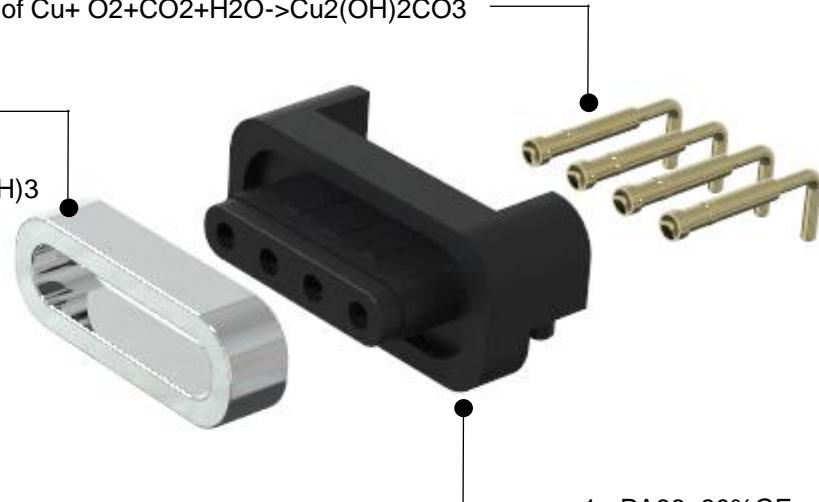
3> Ni Plating, 48 hours salt spray testing

4> Surface treatment to avoid chemical reaction of Fe + H₂O + O₂ -> Fe(OH)₃

1> PA66+30%GF

2> Ok to work for re-flow oven within 265°C

3> RoHS, REACH compalian Cu₂(OH)₂CO₃



1> PA66+30%GF
2> Ok to work for re-flow oven within 265°C
3> RoHS, REACH compalian Cu₂(OH)₂CO₃

1> NdFeB

2> N52 , the best magnetic force

3> Ni Plating, 48 hours salt spray testing

4> Surface treatment to avoid chemical reaction of Fe + H₂O + O₂ -> Fe(OH)₃

1> Brass,C3604 with heavy gold plating , good for conductive

2> 3Amp Current rating

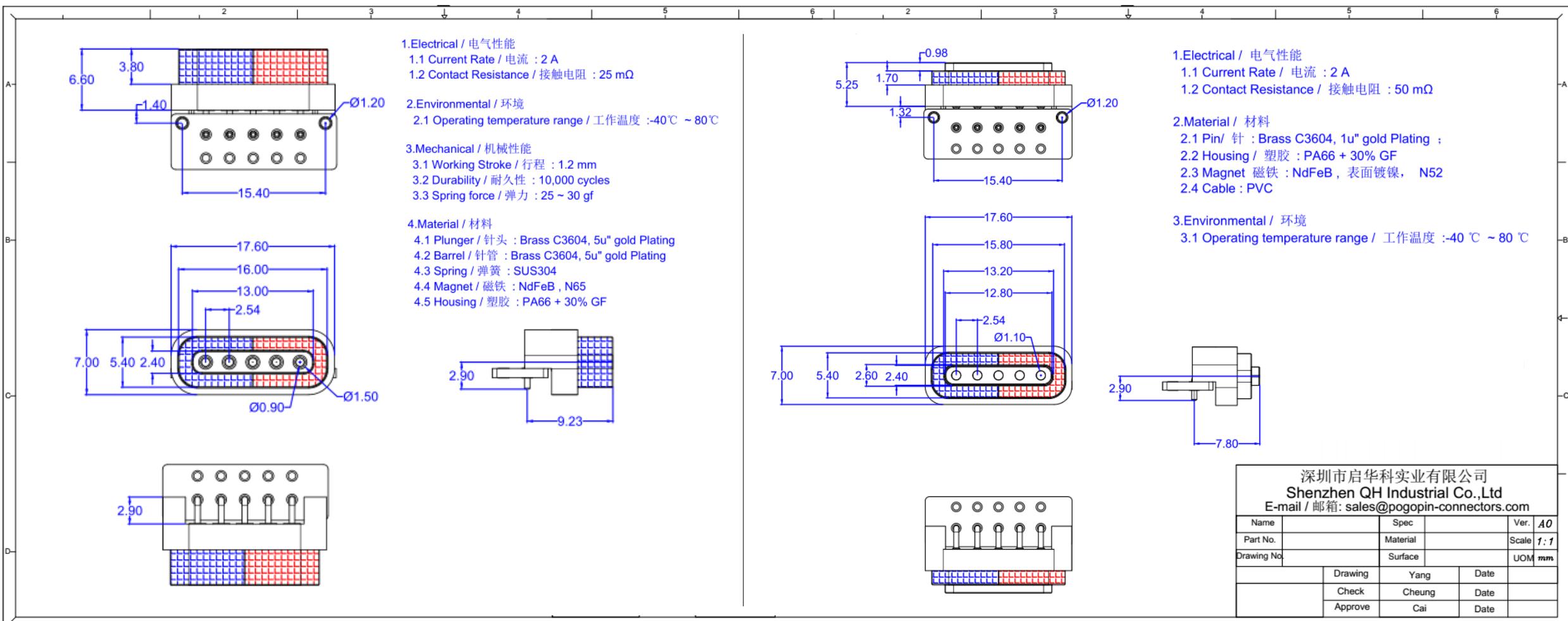
3> Life cycle 500,000 times

4> Gold plating to avoid chemical reaction of Cu+ O₂+CO₂+H₂O->Cu₂(OH)₂CO₃

5> RoHS compliant

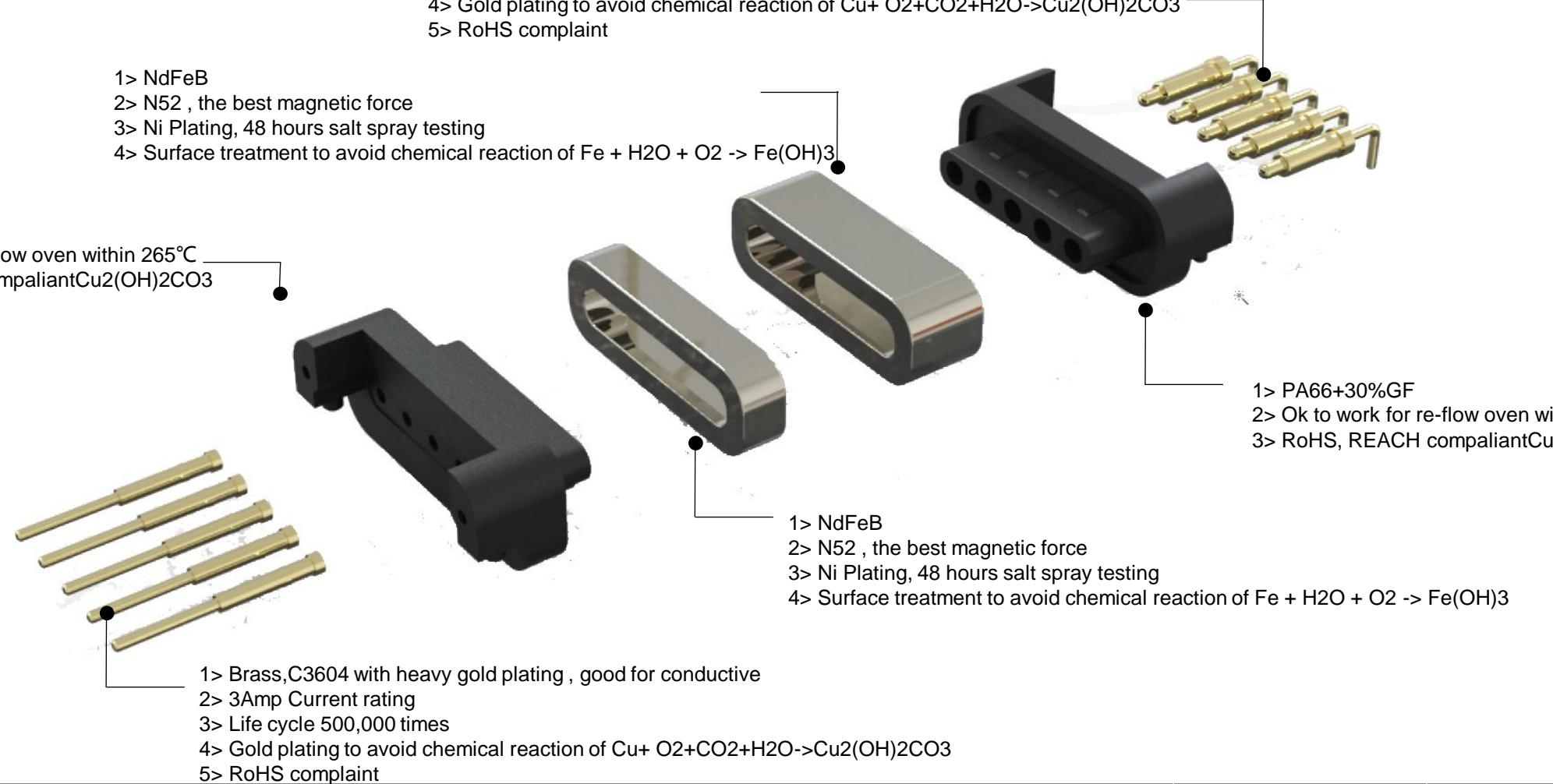
3.4> Cable pogo pin connector

QH-M-F&M-RW-006



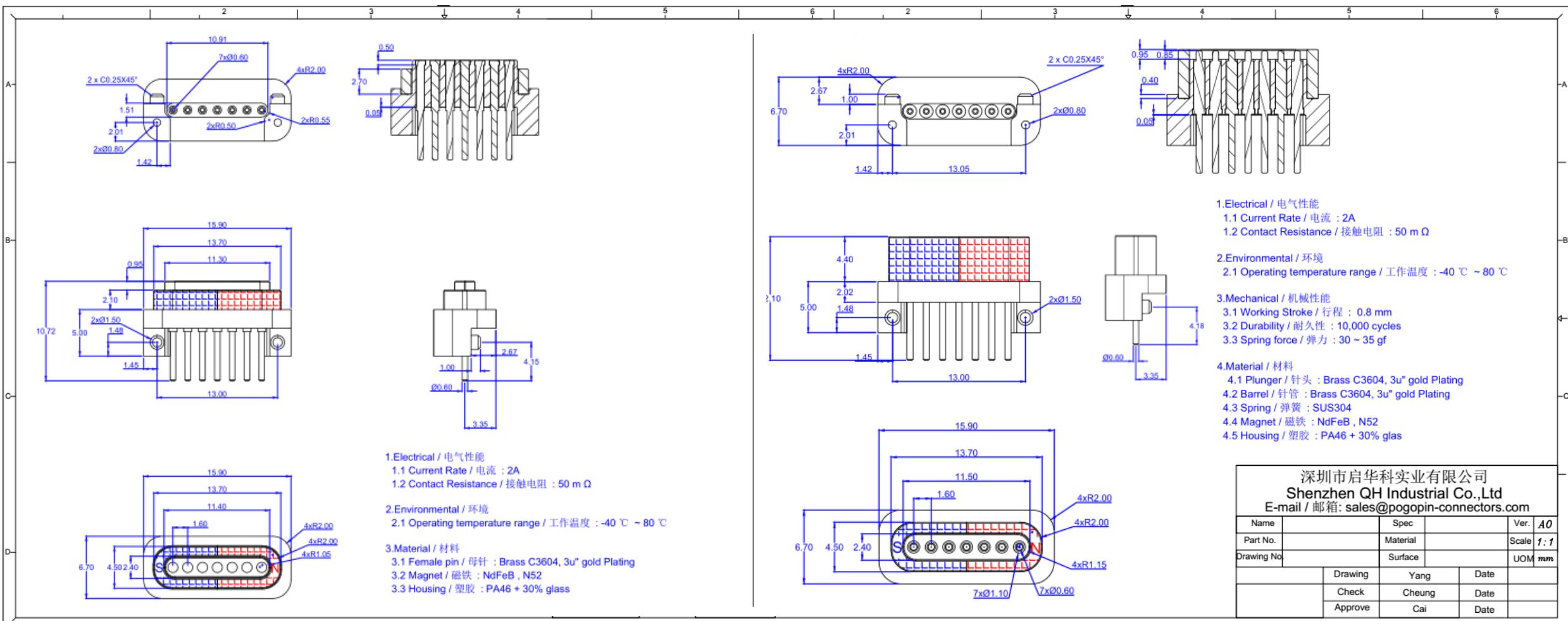
3> Product Catalogue

3.3> Magnetic Pogo Pin Connector



3.4> Cable pogo pin connector

QH-M-F&M-RW-008



深圳市启华科实业有限公司
Shenzhen QH Industrial Co.,Ltd
E-mail / 邮箱: sales@pogopin-connectors.com

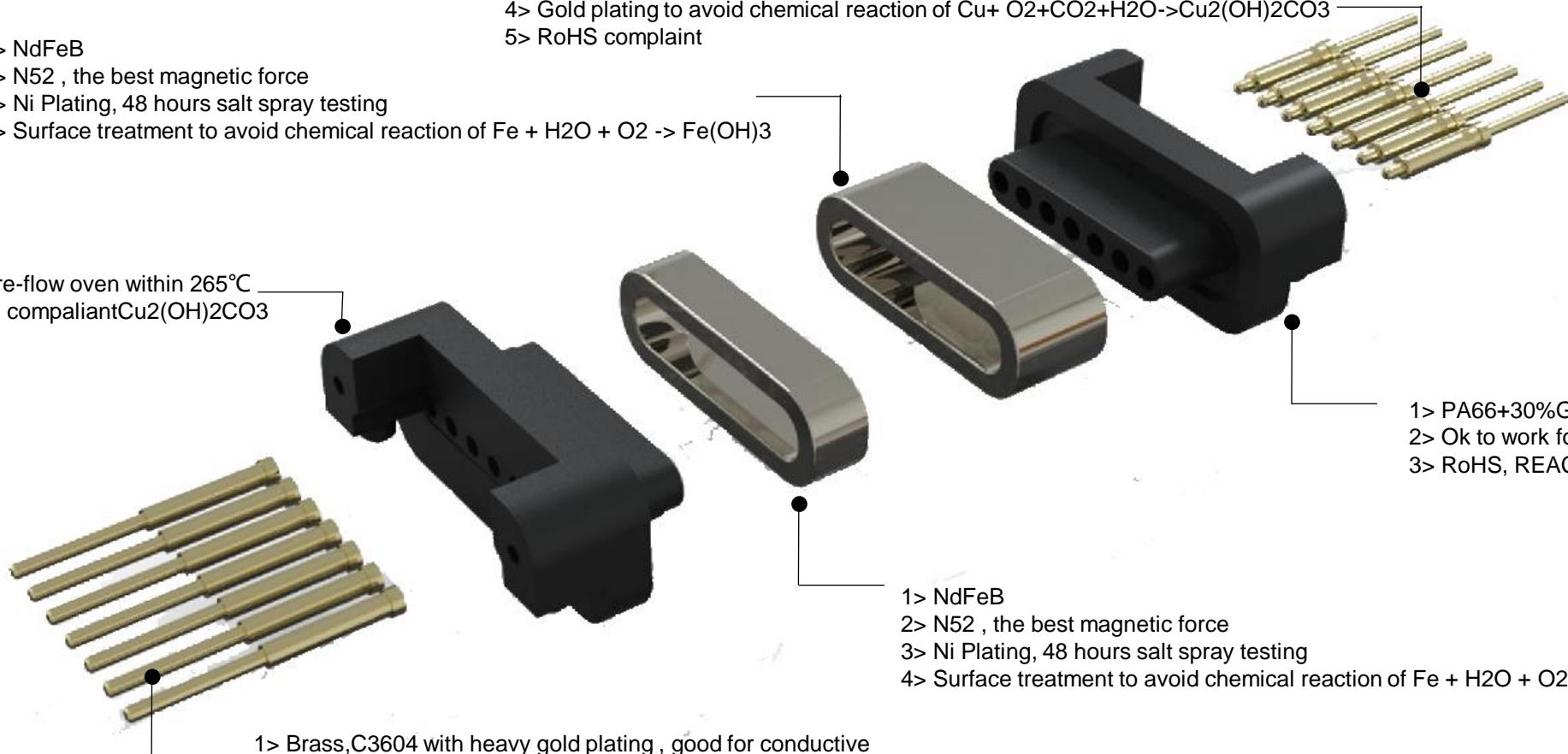
Name	Spec	Ver.	A0
Part No.	Material	Scale	1:1
Drawing No.	Surface	UOM	mm

3> Product Catalogue

3.3> Magnetic Pogo Pin Connector

- 1> NdFeB
- 2> N52 , the best magnetic force
- 3> Ni Plating, 48 hours salt spray testing
- 4> Surface treatment to avoid chemical reaction of $\text{Fe} + \text{H}_2\text{O} + \text{O}_2 \rightarrow \text{Fe(OH)}_3$

- 1> Brass,C3604 with heavy gold plating , good for conductive
- 2> 3 Amp Current rating
- 3> Life cycle 500,000 times
- 4> Gold plating to avoid chemical reaction of $\text{Cu} + \text{O}_2 + \text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{Cu}_2(\text{OH})_2\text{CO}_3$
- 5> RoHS complaint



- 1> Brass,C3604 with heavy gold plating , good for conductive
- 2> 3Amp Current rating
- 3> Life cycle 500,000 times
- 4> Gold plating to avoid chemical reaction of $\text{Cu} + \text{O}_2 + \text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{Cu}_2(\text{OH})_2\text{CO}_3$
- 5> RoHS complaint

- 1> PA66+30%GF
- 2> Ok to work for re-flow oven within 265°C
- 3> RoHS, REACH compaliant $\text{Cu}_2(\text{OH})_2\text{CO}_3$

- 1> NdFeB
- 2> N52 , the best magnetic force
- 3> Ni Plating, 48 hours salt spray testing
- 4> Surface treatment to avoid chemical reaction of $\text{Fe} + \text{H}_2\text{O} + \text{O}_2 \rightarrow \text{Fe(OH)}_3$

3.4> Magnetic cable connector with USB / Cable connector with USB

Application	2Pin 2.84PH Cable Connector - I	2Pin 4.0PH Cable Connector - I	2Pin 4.0PH Cable Connector - I/P	2Pin 4.0PH Cable Connector - T/P	2Pin 7.6PH Cable Connector - I	3Pin 2.5PH Cable Connector - I	4Pin 2.5PH Cable Connector - I	4Pin 2.5PH Cable Connector - T	5Pin 2.5PH Cable Connector - I/P	5Pin 2.5PH Cable Connector - 4&1
Item Code	QH0003	QH0001/WP	QH0001	QH00300	QH0043	QH0041	QH0002	QH0131	QH0302	QH00301
Cable										
Magnetic Part										
Mating Part					\					\

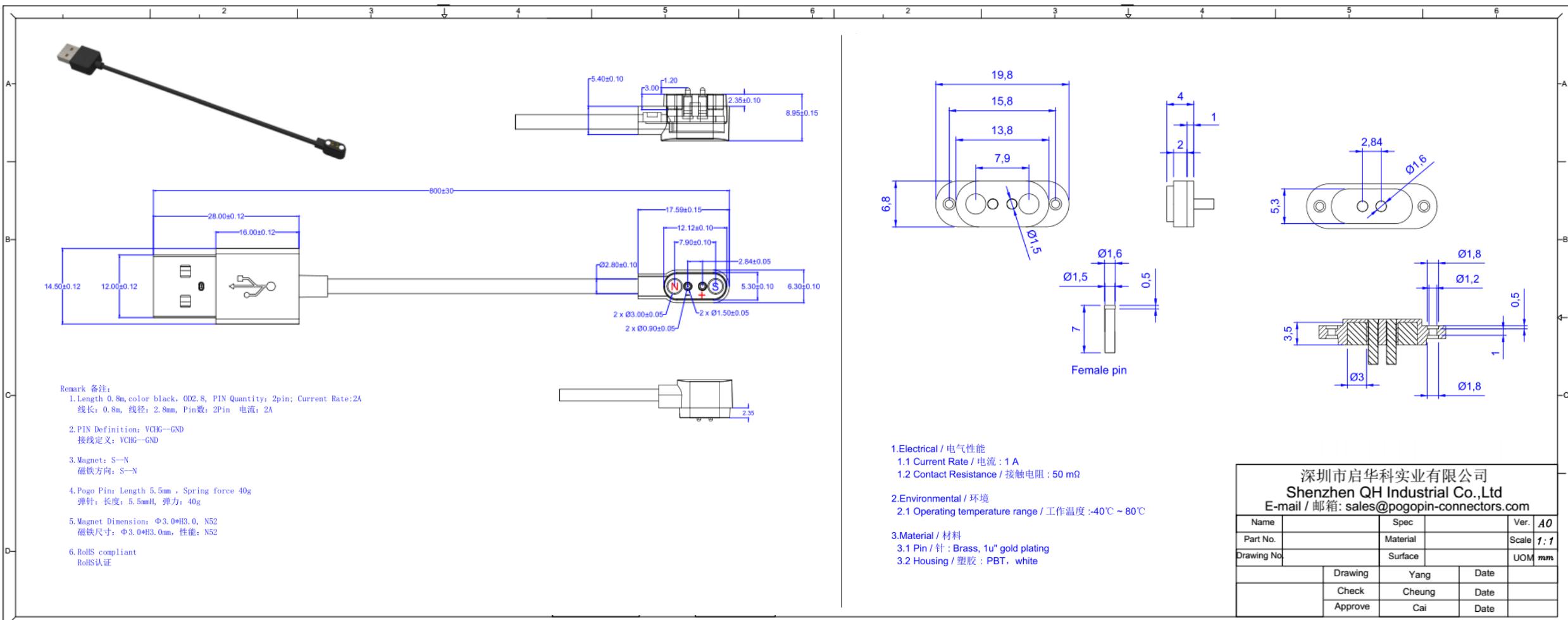
Can be Customized with USB, TYPE-C ,Micro USB, PD100W etc.

3.4> Cable connector with USB / Magnetic cable connector with USB

Product		2Pin Round Cable Connector - 1	2Pin Round Cable Connector - 2	2Pin Round Cable Connector - 3	3Pin 1.6 PH Cable Connector-RW	4Pin 2.54PH Cable Connector - RW	5Pin 2.54PH Cable Connector - RW	7Pin 1.6PH Cable Connector - RW1	7Pin 1.6PH Cable Connector - RW2
Item Code		QH-C-Rou-001	QH-C-Rou-002	QH-C-Rou-003	QH-C-RW-003	QH-C-RW-004	QH-C-RW-005	QH-C-RW-007.1	QH-C-RW-007.2
Charge Cable	Cable-Two Ends								
	Magnetic Part								
Mating Part (on device)	Straight Pin								
	Right Angle Pin								
	with PCB								

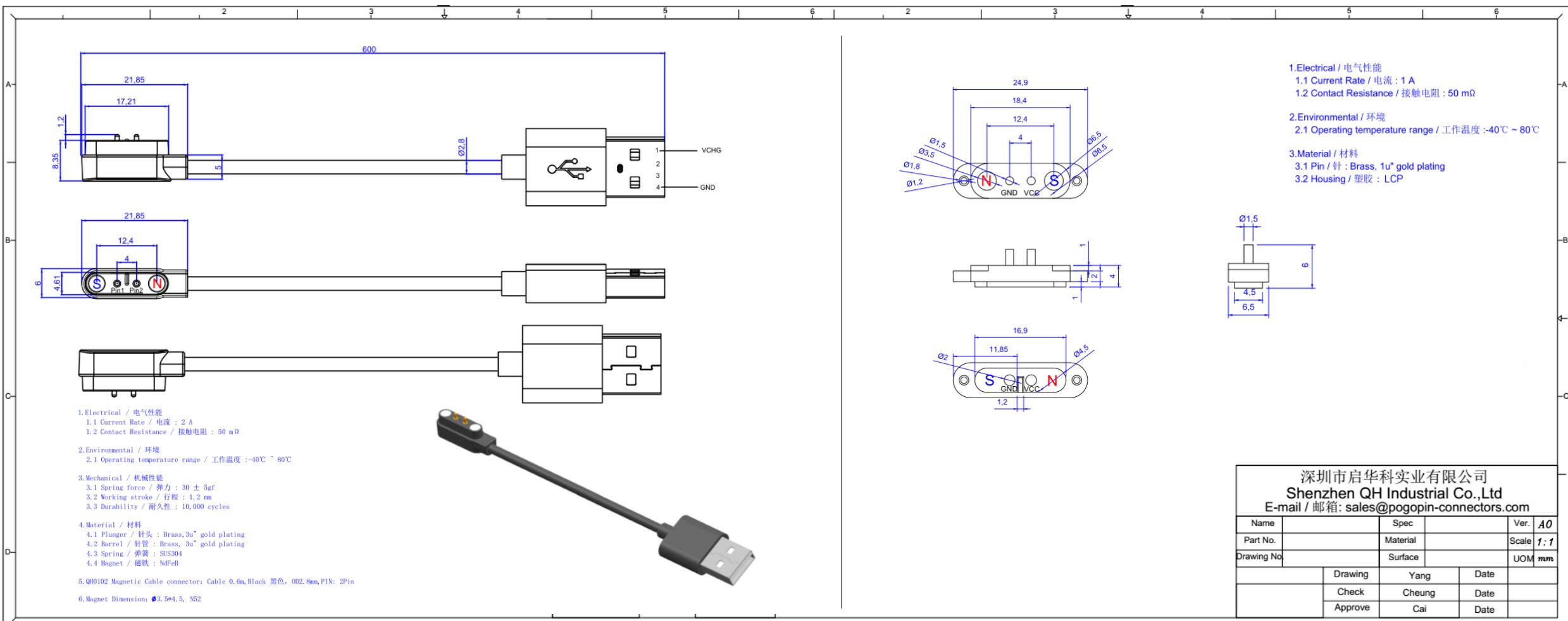
3.4> Cable connector with USB / Magnetic cable connector with USB

QH0003



3.4> Cable connector with USB / Magnetic cable connector with USB

QH0001/WP

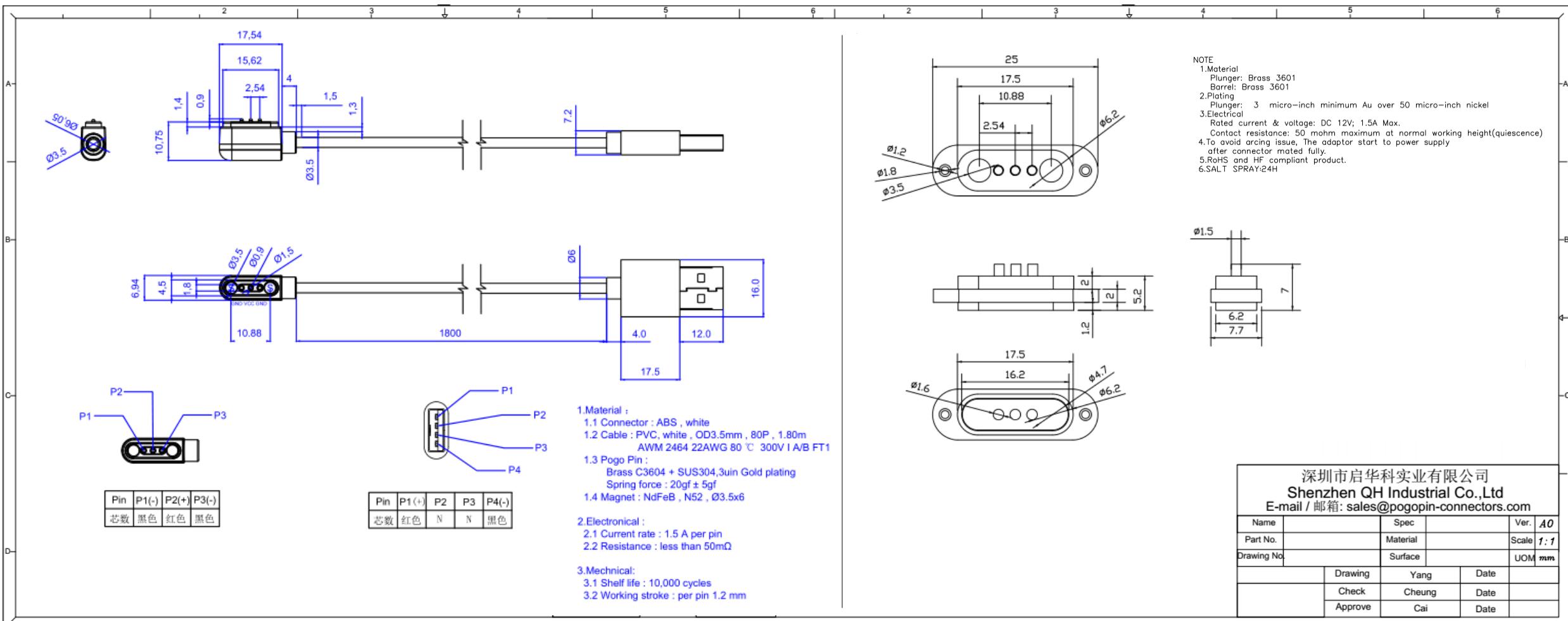


深圳市启华科实业有限公司
Shenzhen QH Industrial Co.,Ltd
E-mail / 邮箱: sales@pogopin-connectors.com

Name	Spec	Ver.	A0
Part No.	Material	Scale	1:1
Drawing No.	Surface	UOM	mm
	Yang	Date	
	Check	Cheung	Date
	Approve	Cai	Date

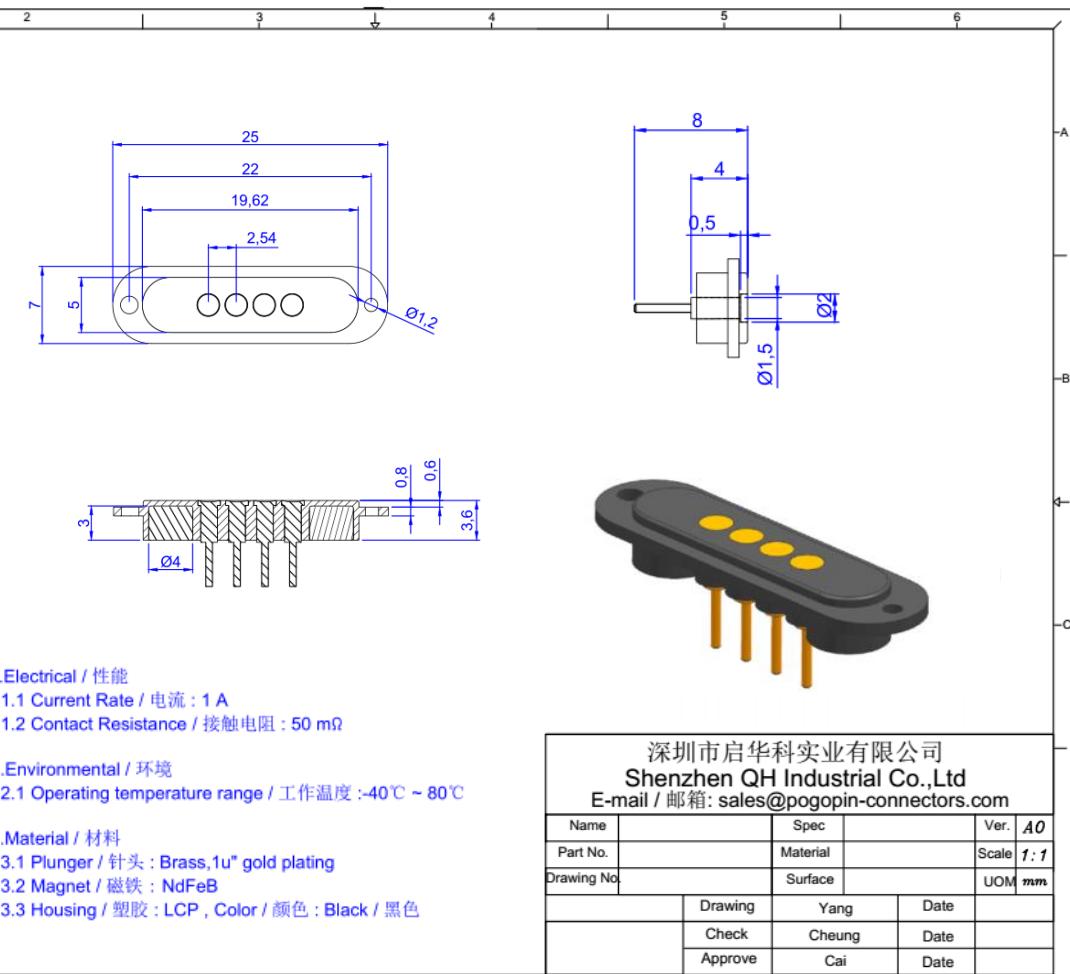
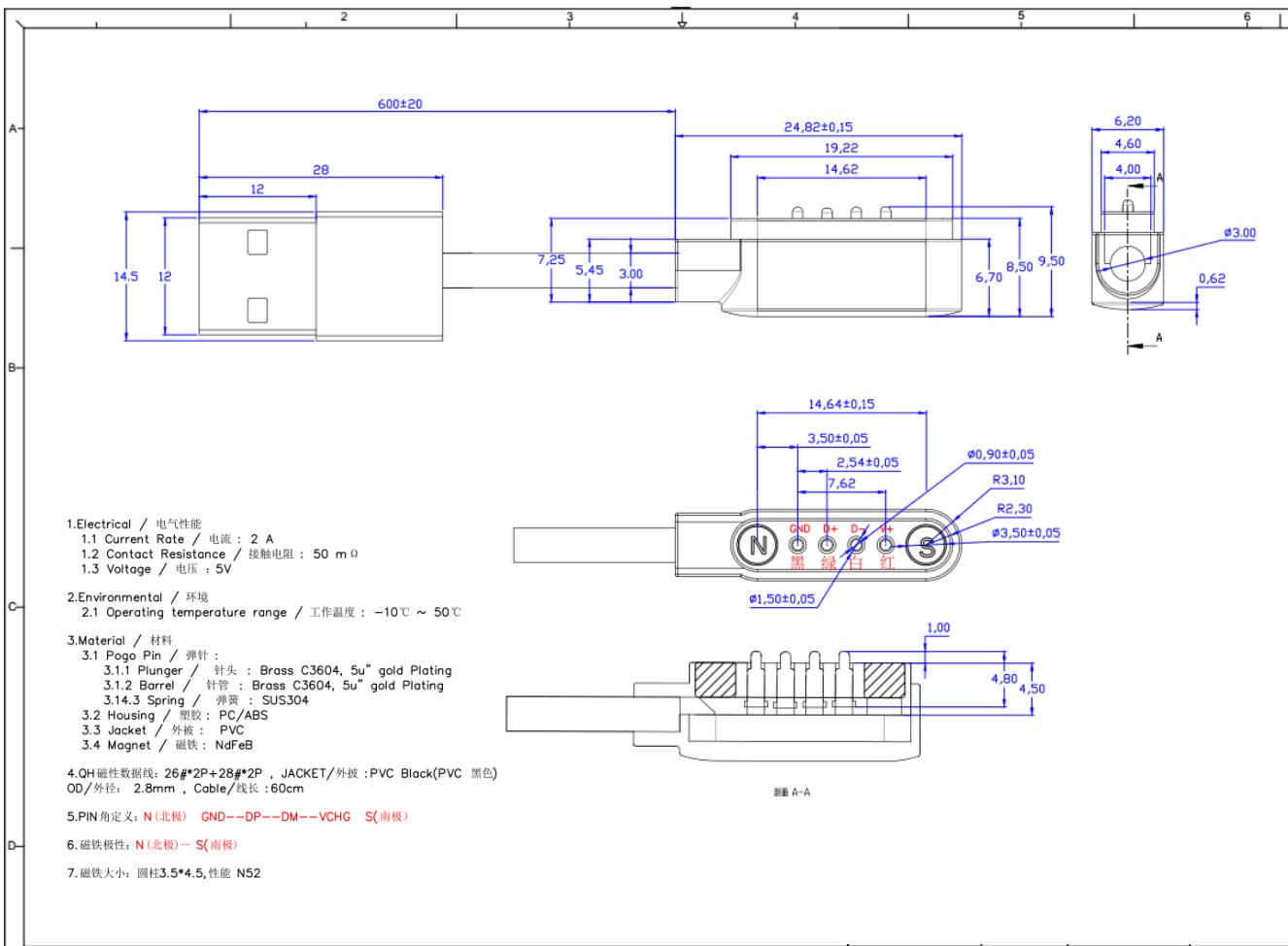
3.4> Cable connector with USB / Magnetic cable connector with USB

QH0041



3.4> Cable connector with USB / Magnetic cable connector with USB

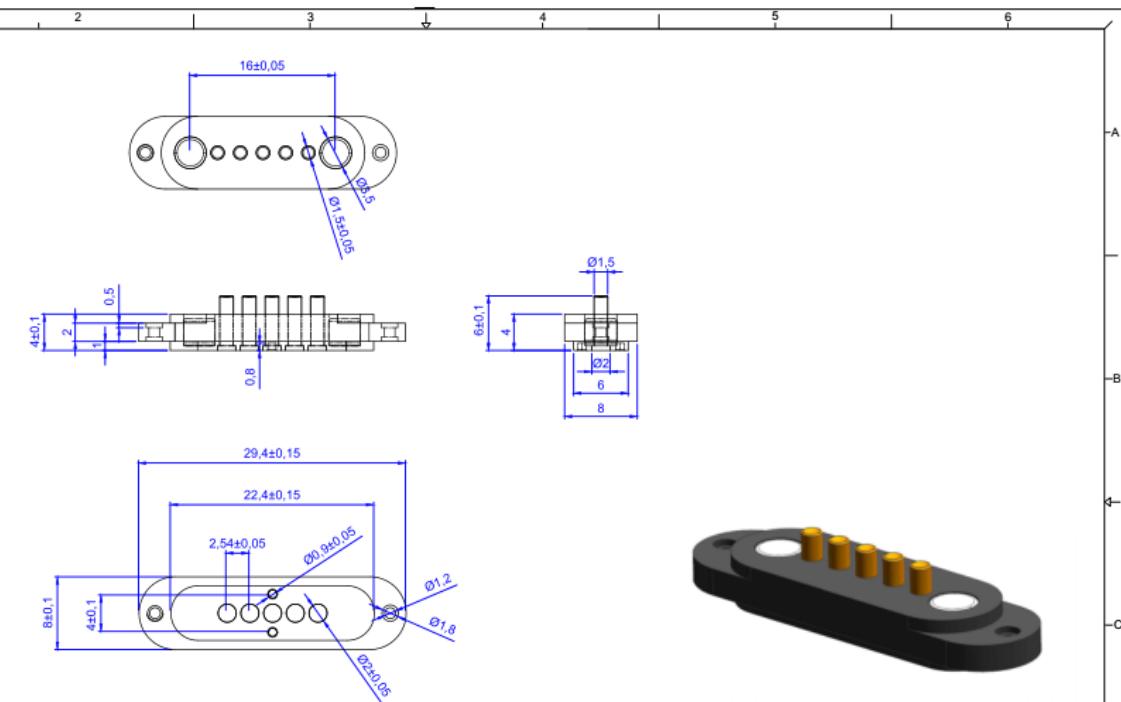
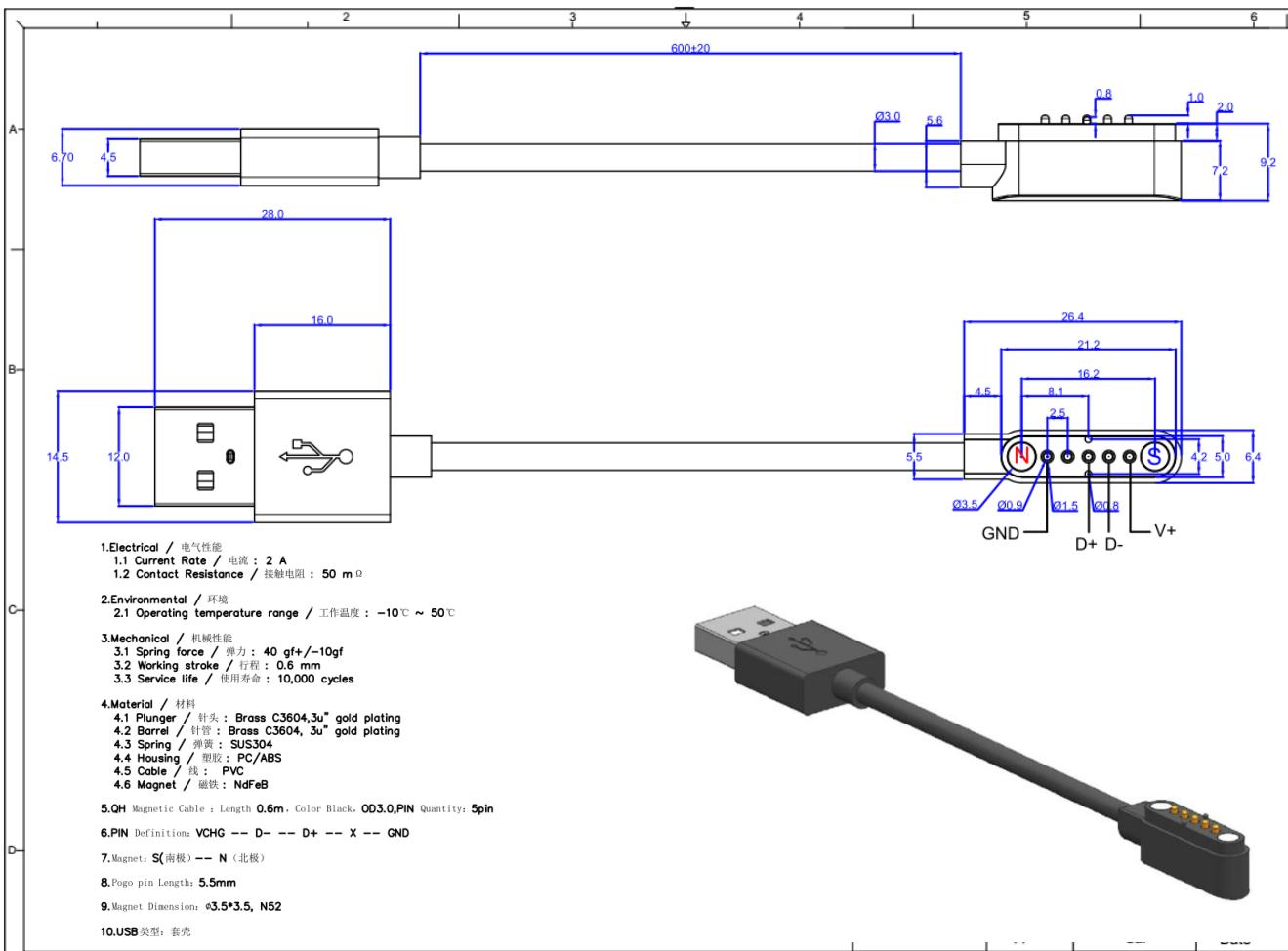
QH0002



深圳市启华科实业有限公司 Shenzhen QH Industrial Co.,Ltd E-mail / 邮箱: sales@pogopin-connectors.com			
Name	Spec	Ver.	A0
Part No.	Material	Scale	1:1
Drawing No.	Surface	UOM	mm
	Drawing	Yang	Date
	Check	Cheung	Date
	Approve	Cai	Date

3.4> Cable connector with USB / Magnetic cable connector with USB

QH0302



- 1.Electrical / 电气性能
 - 1.1 Current Rate / 电流 : 1 A
 - 1.2 Contact Resistance / 接触电阻 : 50 m Ω
 - 1.3 Voltage / 电压 : 12V

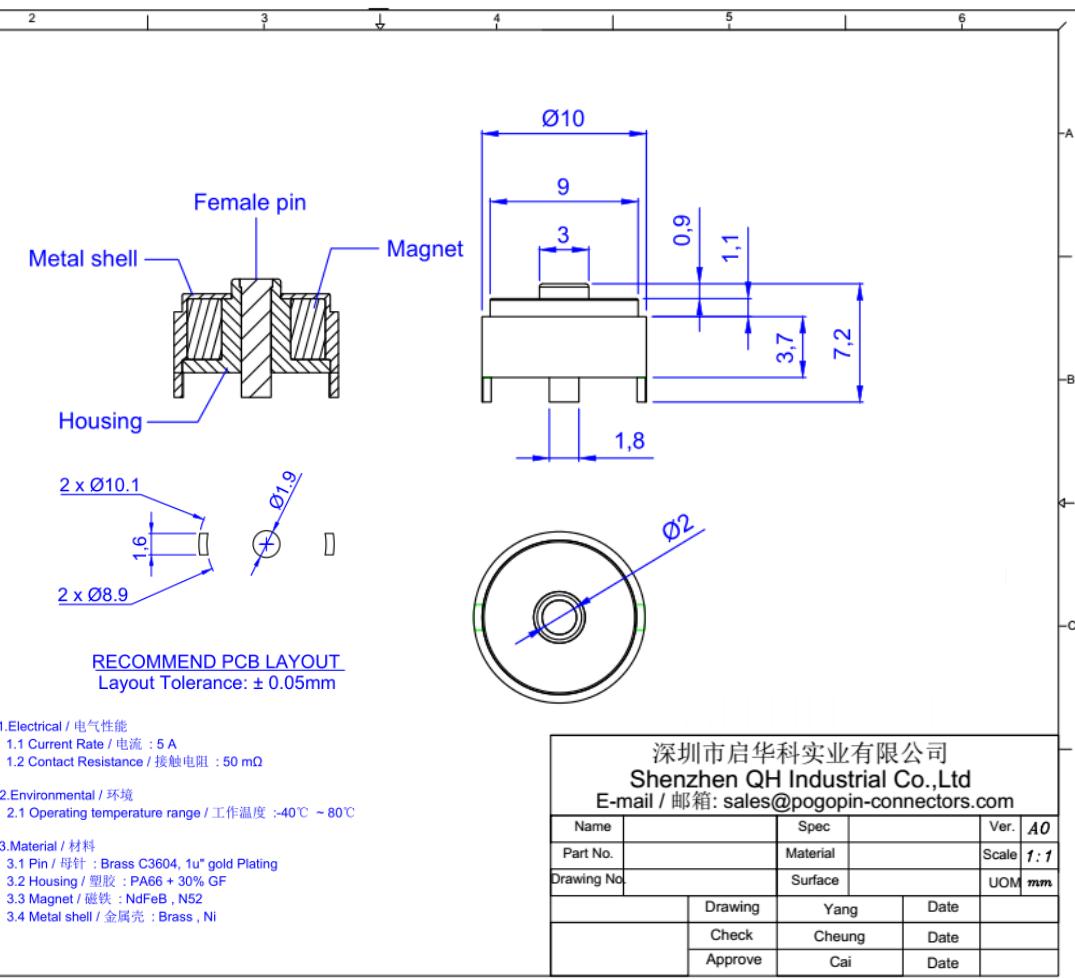
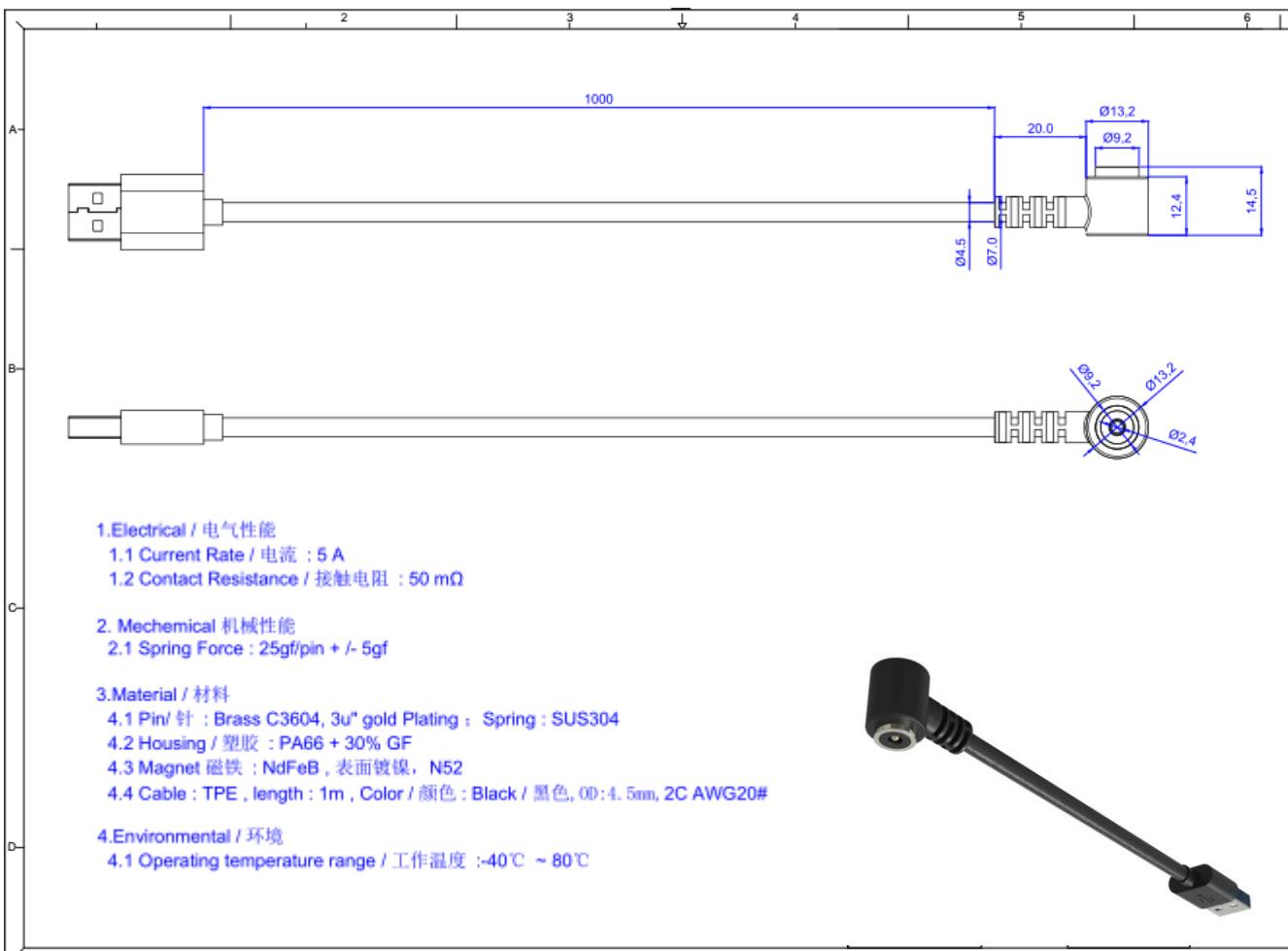
2. Environmental / 环境

- 3.Material / 材料
 - 3.1 Pin / 针 : Brass C3604, 1u" gold Plating
 - 3.2 Magnet / 磁铁 : NdFeB , N52, Ni Plating
 - 3.3 Housing / 塑胶 : LCP

深圳市启华科实业有限公司 Shenzhen QH Industrial Co.,Ltd E-mail / 邮箱: sales@pogopin-connectors.com				
Name		Spec		Ver. A0
Part No.		Material		Scale 1:1
Drawing No.		Surface		UOM mm
	Drawing	Yang	Date	
	Check	Cheung	Date	
	Approve	Cai	Date	

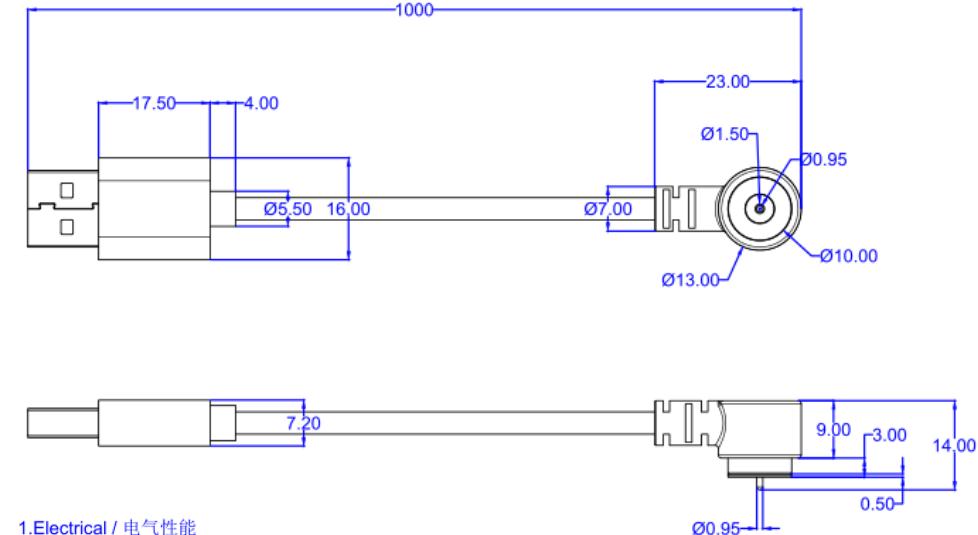
3.4> Cable connector with USB / Magnetic cable connector with USB

QH-C-Rou-001



3.4> Cable connector with USB / Magnetic cable connector with USB

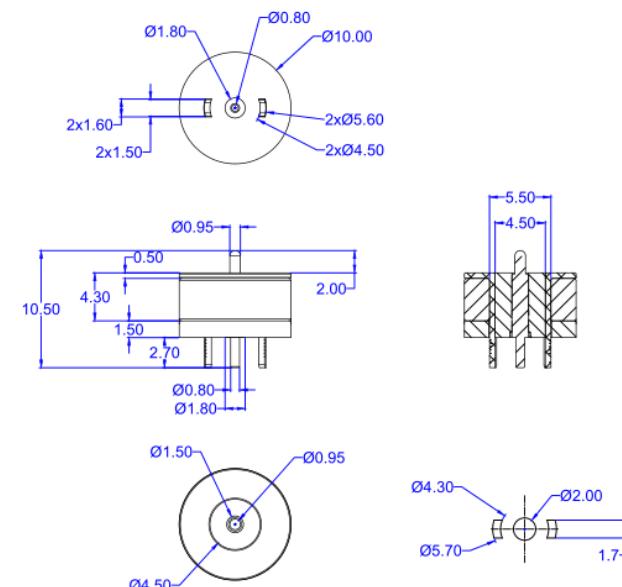
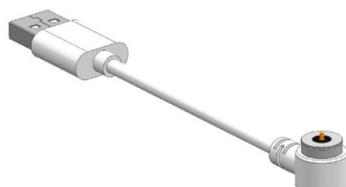
QH-C-Rou-002



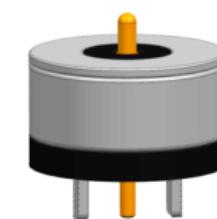
1.Electrical / 电气性能
1.1 Current Rate / 电流 : 1 A

2.Material / 材料
2.1 Pogo pin
2.1.1 Plunger / 针头 : Brass C3604, 3u" gold Plating
2.1.2 Barrel / 针管 : Brass C3604, 3u" gold Plating
2.1.3 Spring / 弹簧 : SUS304
2.2 Housing / 塑胶 : PA46 + 30%GF
2.3 Magnet / 磁铁 : NdFeB
2.4 Metal Shell / 金属壳 : Brass C3604,Ni

3.Mechanical / 机械性能
3.1 Working Stroke / 行程 : 1.5 mm
3.2 Durability / 耐久性 : 10,000 cycles
3.3 Spring force / 弹力 : 110 ± 20% gf



RECOMMEND PCB LAYOUT
Layout Tolerance: ± 0.05mm



1.Electrical / 电气性能
1.1 Current Rate / 电流 : 2 A
1.2 Contact Resistance / 接触电阻 : 50 mΩ

2.Material / 材料
2.1 Pogo pin
2.1.1 Plunger / 针头 : Brass C3604, 3u" gold Plating
2.1.2 Barrel / 针管 : Brass C3604, 3u" gold Plating
2.1.3 Spring / 弹簧 : SUS304
2.2 Housing / 塑胶 : PA46 + 30%GF
2.3 Magnet / 磁铁 : NdFeB
2.4 Metal Shell / 金属壳 : Brass C3604,Ni

3.Mechanical / 机械性能
3.1 Working Stroke / 行程 : 1.5 mm
3.2 Durability / 耐久性 : 10,000 cycles
3.3 Spring force / 弹力 : 50 ± 15% gf

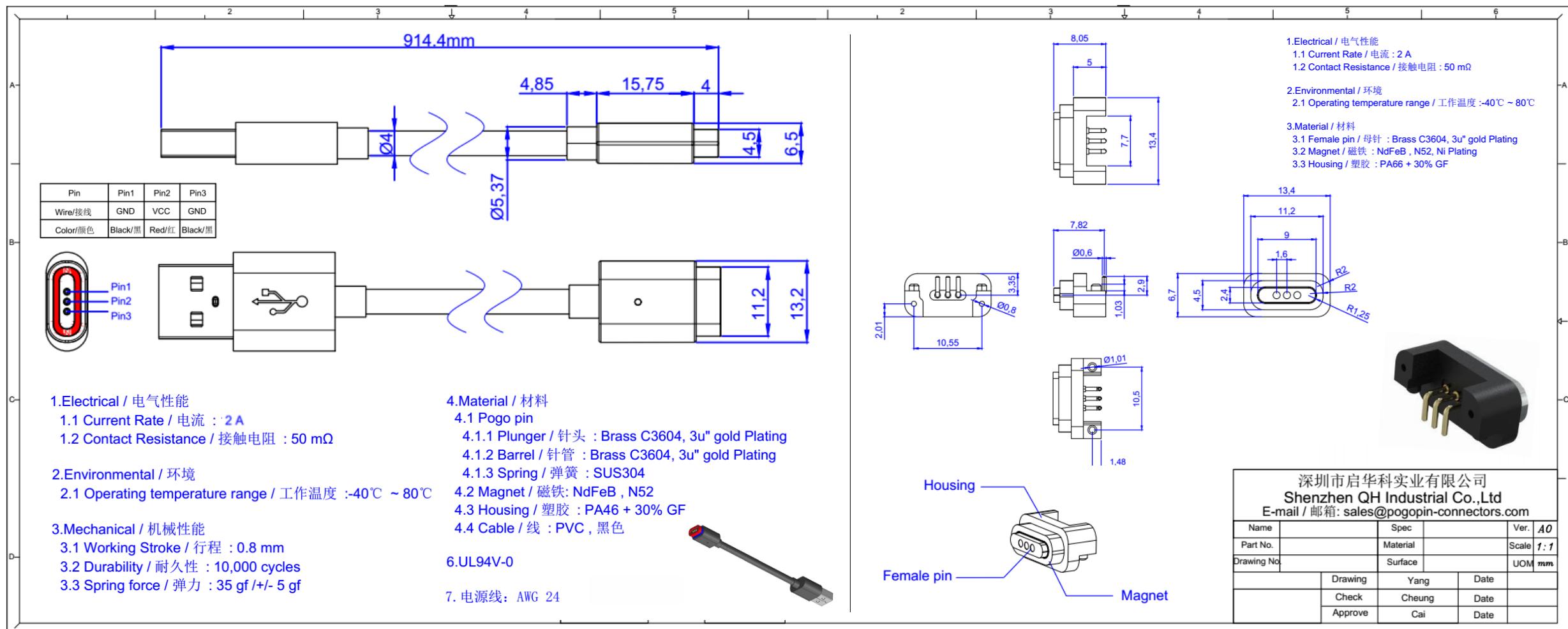
深圳市启华科实业有限公司
Shenzhen QH Industrial Co.,Ltd
E-mail / 邮箱: sales@pogopin-connectors.com

Name	Spec	Ver.	A0
Part No.	Material	Scale	1:1
Drawing No.	Surface	UOM	mm
	Yang	Date	
	Check	Cheung	Date
	Approve	Cai	Date

3> Product Catalogue

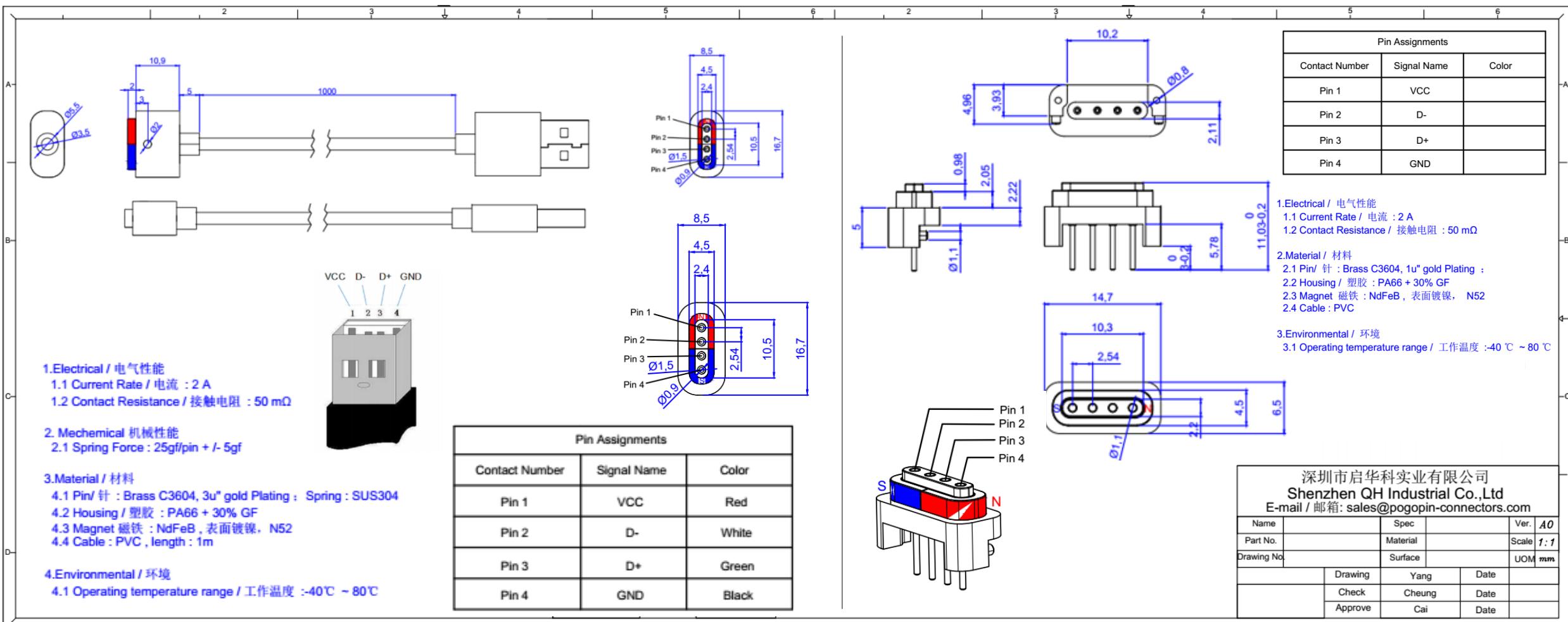
3.4> Cable connector with USB / Magnetic cable connector with USB

QH-C-RW-003



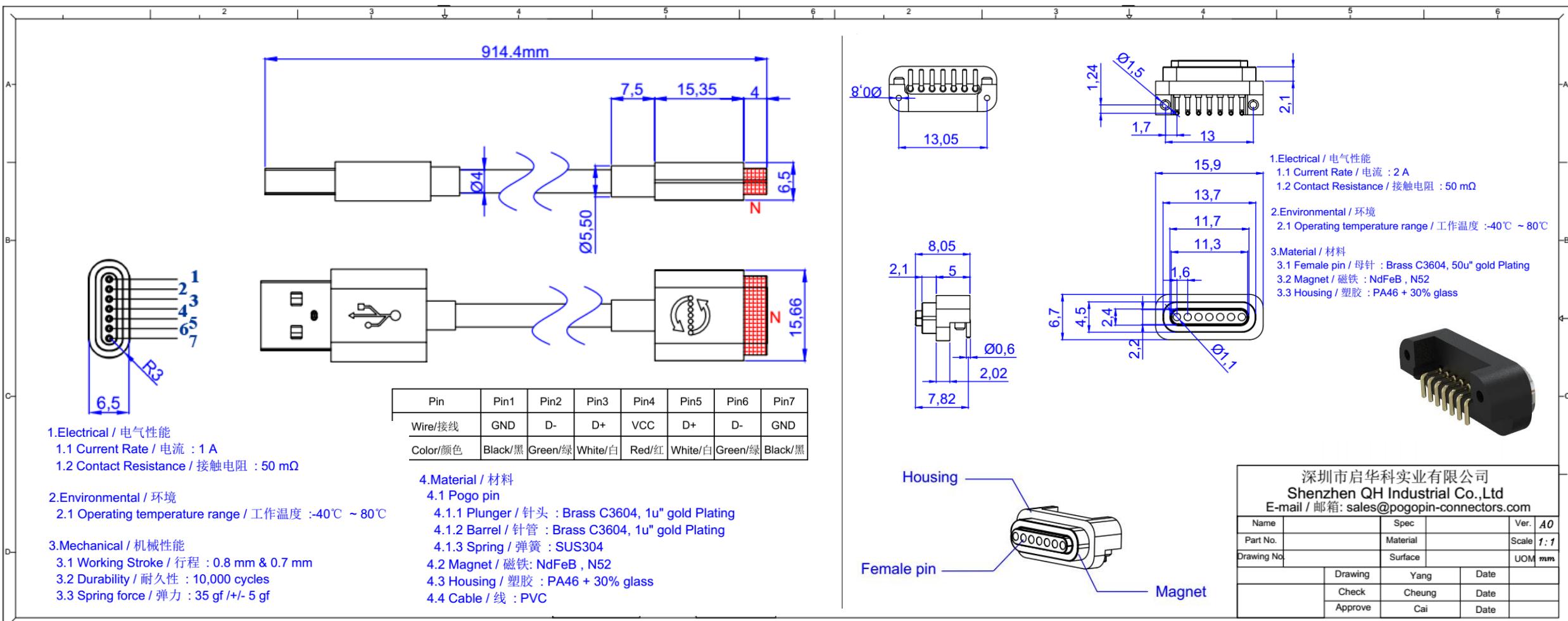
3.4> Cable connector with USB / Magnetic cable connector with USB

QH-C-RW-004



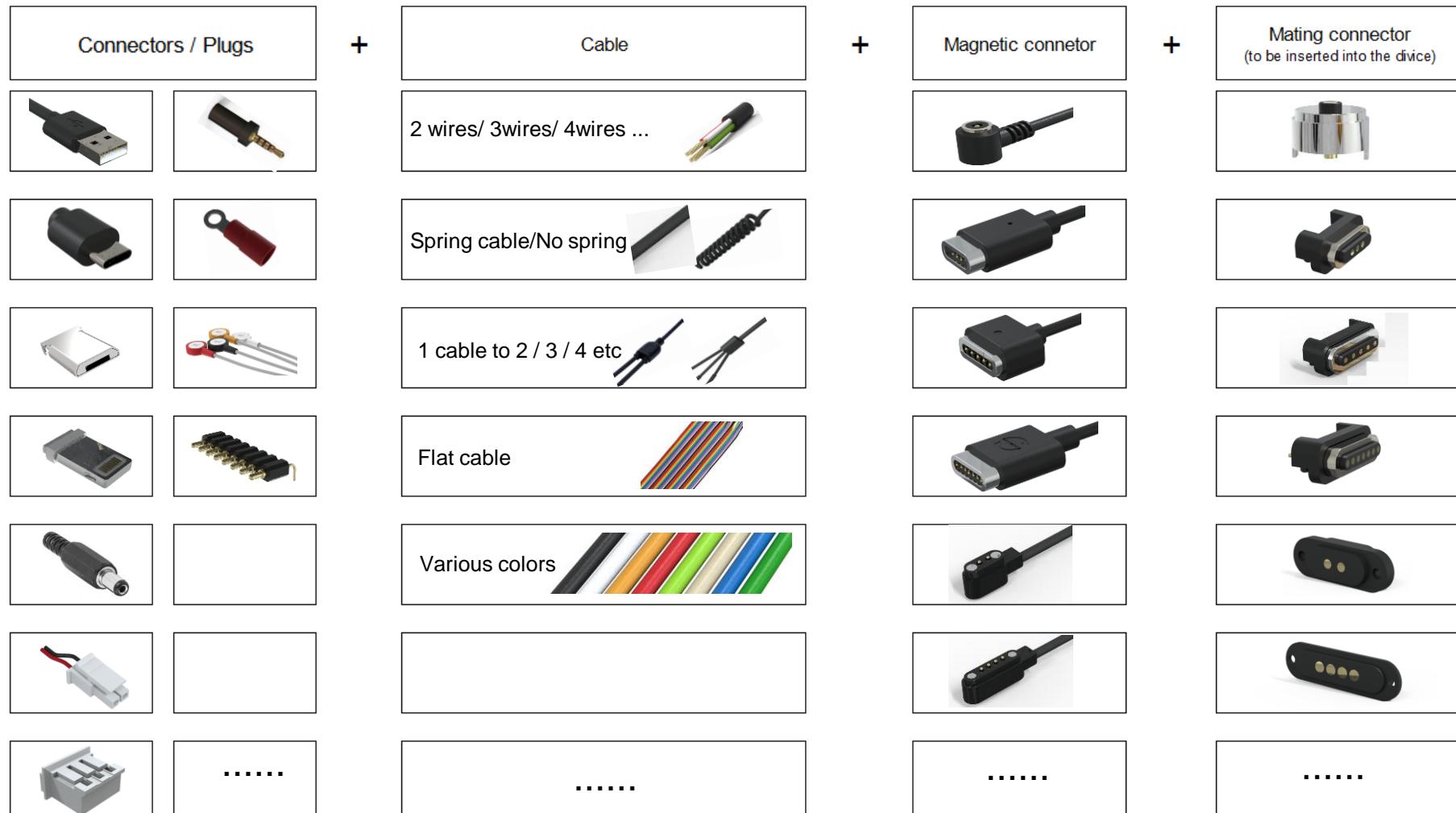
3.4> Cable connector with USB / Magnetic cable connector with USB

QH-C-RW-007.1



3> Product Catalogue

3.4> Cable connector with USB / Magnetic cable connector with USB



QH can offer customized solutions , customers send us requirements on connectors/plugs + cable + magnetic connector + mating connector, then we can offer the potential solutions for you

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