



Wechat



Website

DONGGUAN KONNRA CONNECTORS CO.,LTD

Add: No.11 Xinanlang Second Road,Changan Town,Dongguan City,Guangdong Province,China,523850

TEL: +86-769-85449875 Email: henryzhou@konnra.com

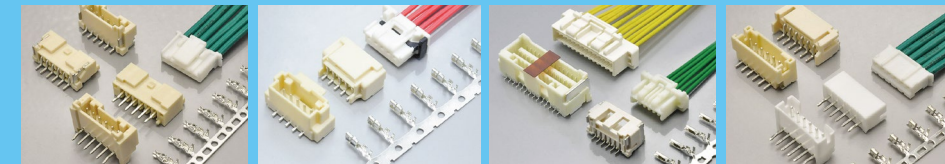
Web: www.konnra.cn www.konnra.com

KONNRA®



Connect the world, Creating Future

Leading Connector Solutions Supplier



Industry Application



Renewable
Energy Vechicle



Portable
Energy Storage



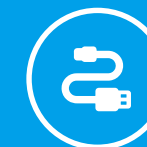
Medical
Equipment



Consumer
Electronics



Industrial
Equipment



Wire
Harness

DONGGUAN KONNRA CONNECTORS CO.,LTD



Company Profile

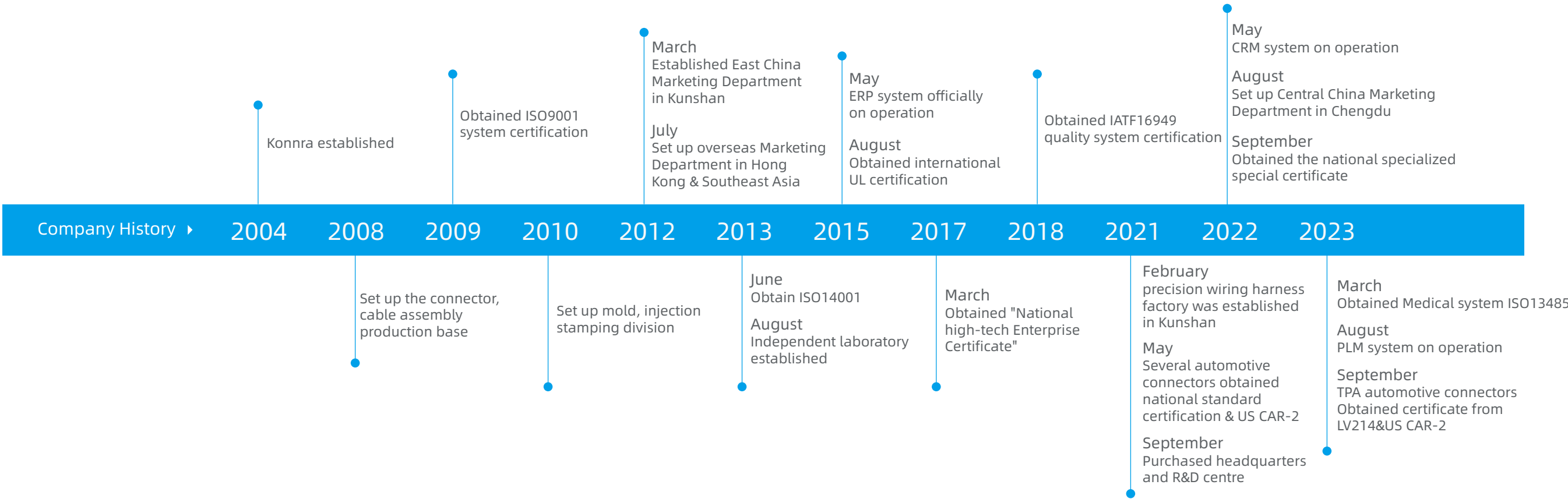
Dongguan Konnra Connector Co., Ltd. was established in 2004, is high-tech enterprises that specilyzing in research and development in eletronice connectoer,precision mold design, automation invention, committed to provid-ing customers with the best connection solutions and we strive to become the preferred supplier for global customers.

18500^{m²}
Production Area

53⁺
R&D Team

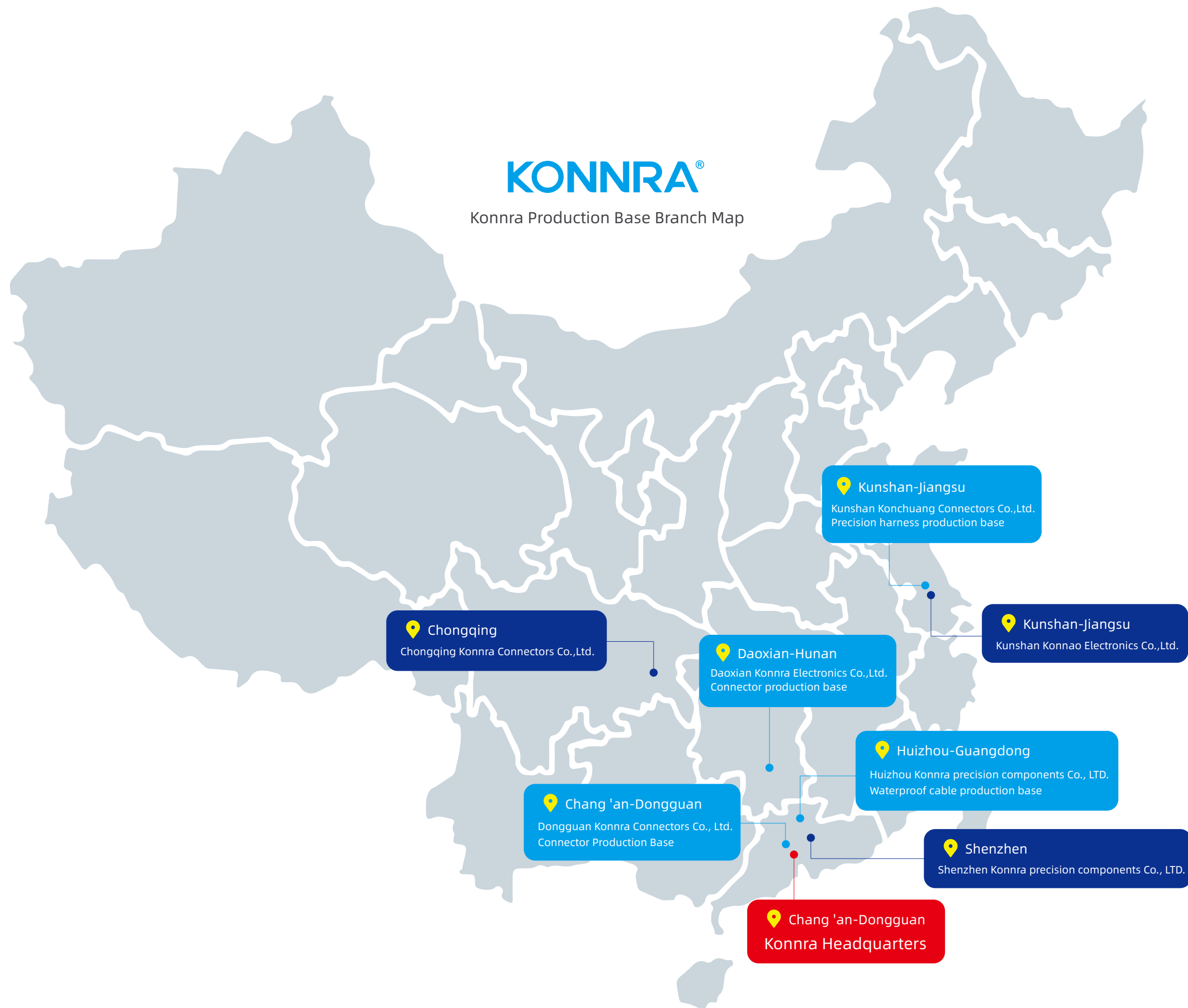
200⁺
Staffs

60kk^{set}
Monthly Production



KONNRA®

Konnra Production Base Branch Map





Renewable
Energy Vehicle



Portable
Energy Storage



Medical
Equipment



Consumer
Electronics



Industrial
Equipment



Wire
Harness

Connector Production and Assembly Workshop

Monthly output **60KK⁺** set

Konnra Connector Honorary Qualification

Dongguan Konnra Connector Co., Ltd. was founded in 2004, the headquarters is located in Dongguan Chang'an. It has obtained more than 40 national technology patents and a number of invention patents. Won: National high-tech, specialized and new technical qualifications, serving customers in more than 40 countries around the world, focusing on Wire to Wire connectors, Wire to Board connectors, Board to Board connectors, FPC connectors and other products, used in new energy vehicles, new energy storage, intelligent medical, intelligent security, smart home and office, consumer electronics and other advanced intelligent manufacturing fields, A wide range of products meet US-CAR &LV-214 requirements.



40⁺
Patented
Technology



40⁺
Oversea
Customer



Assembly Workshop



CCD Inspection Workshop



Harness Workshop



Injection Workshop





Renewable
Energy Vehicle



Portable
Energy Storage



Medical
Equipment



Consumer
Electronics



Industrial
Equipment



Wire
Harness

Konnra Connector Quality Control

Excellent quality is the guarantee of KONNRA connector reputation in the world, Konnra has passed ISO13485 medical device quality management system certification, IATF16949 automobile production parts and related service parts quality management system certification, ISO14001 environmental management system certification, ISO9001 quality management system certification. Products comply with safety UL/CUL certification, many products meet the requirements of US-CAR&LV-214.

KONNRA connector has achieved 95% full intelligent visual CCD inspection coverage, the selection of imported "Mitsubishi Panasonic" PLC control system, FA 25-35mm optical lens, 5 mega-pixel camera, equipped with state-approved visual inspection software

UL/CUL

certificates

Multiple products meet

US-CAR&LV-214

要求



Konnra Connector Reliability Laboratory

Konnra Connector has an independent reliable R&D laboratory, equipped with more than 60 sets of precision testing equipment to ensure mechanical properties, electrical performance, environmental simulation, environmental protection testing, etc., which can provide material selection, performance testing and verification needs for terminal products in various industries;

The measuring equipment carry out systematic analysis regularly to ensure the accuracy and deviation of the equipment, and quickly provide data support in all aspects of product design, research and development process, and production process control.

60⁺

Precision testing
equipment





Konnra Connector Equipment Strength

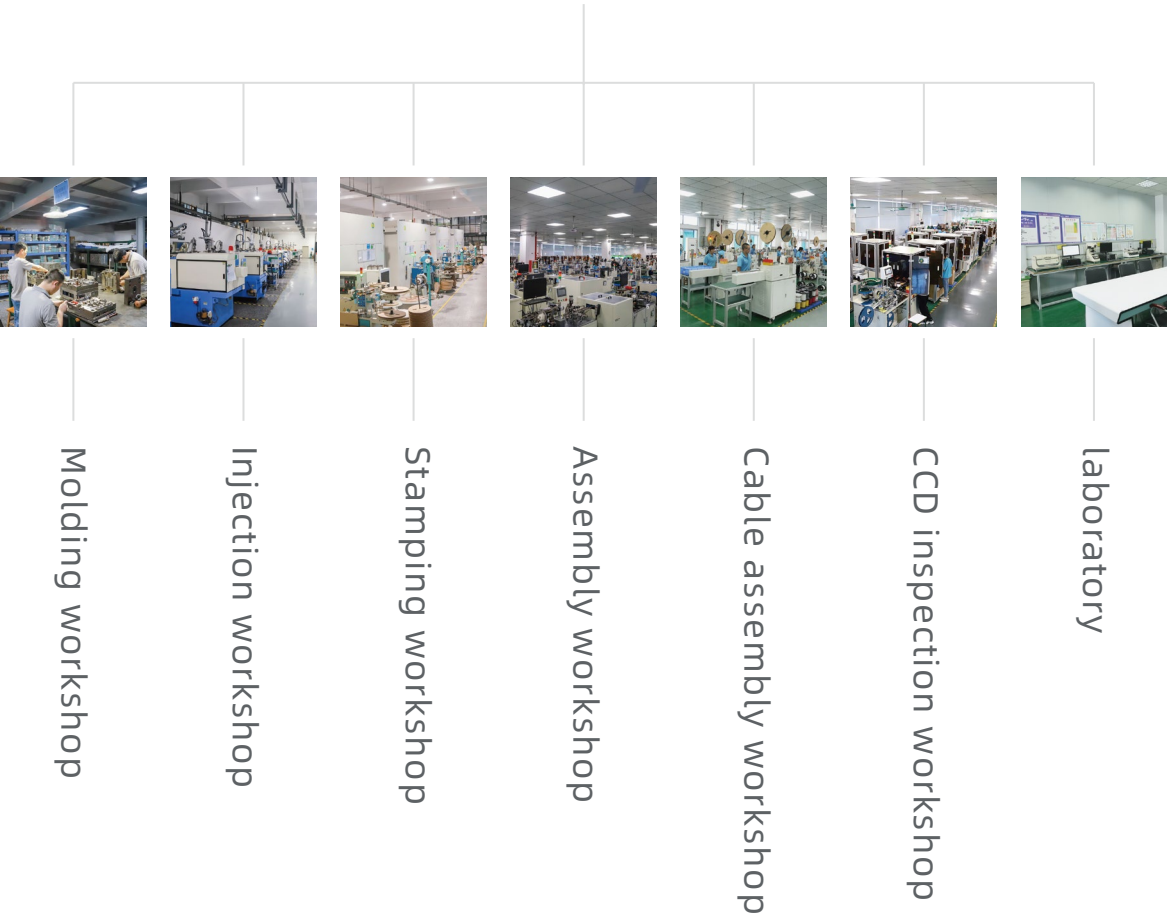
25-50T high precision high-speed stamping machine	18equipment
50-100T high precision injection machine	24equipment
Precision metal mold	150+set
Precision plastic mold	300+set
Full Automated Pin assmebly machine	120+equipment
Full automated packing machine	30+equipment
CCD Smart Inspection machine	60+equipment

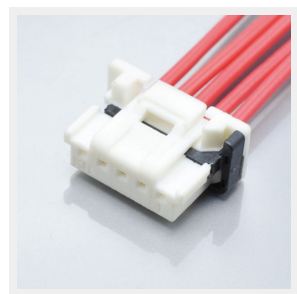


Departmental composition

Product design customization, mold development, manufacturing, omni-channel marketing as one of the leading connector solutions supplier. Konnra supplies: wire to wire connectors, wire to board connectors, board to board connectors, FPC connectors and other kinds of products, products are used in Renewable Vechicle, Portable energy storage,Medical Equipment, intelligent security, smart home and office, consumer electronics and other advanced intelligent manufacturing fields.

Konnra Connector





H 2017 0 105 24 01 A
① ② ③ ④ ⑤ ⑥

Housing

- ① **Product type:** H Housing
- ② **Product series:** (Pitch or series) as KR2017 series
- ③ **Product variety:** 0~9,A~Z("O" and "I" forbidden)
0: no differentiation F: female M: male
V: vertical/180° R: right/90°
- ④ **Product Pin:** 105 single-row 1*5P 205 double-row 2*5P
- ⑤ **Material/Color:**

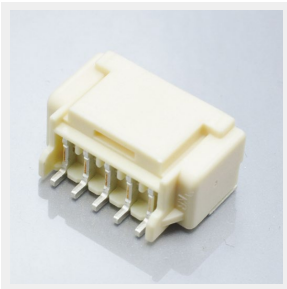
01: PA66 UL94 V-0 white	02: PA66 UL94 V-0 black	03: PA66 UL94 V-2 white
04: PA66 UL94 V-2 black	05: PBT black	06: PPO black
- ⑥ **sequence codes:** "00" priority stands for halogen-free, that is, halogen-free and have other specifications to distinguish, can use other digital codes to distinguish, but need to be described clearly on the drawing material number description (such as with buckle/no buckle/with wing/no wing can be defined in this code)



T 2017 0 P T01 01 A
① ② ③ ④ ⑤ ⑥

Terminal

- ① **Product type:** T terminal
- ② **Product series:** (Pitch or series) as KR2017 series
- ③ **Product variety:** 0~9,A~Z("O" and "I" forbidden)
0: no differentiation F: female M : male
V: vertical/180° R: right/90°
- ④ **Material:** P phosphor bronze B brass
- ⑤ **Electroplate:** "G" with "00"
G01: G gold-plated, 01 stand for plating specification
T01: T tin-plated, 01 stand for plating specification
M01: T matte-tin, 01 stand for plating specification
B01: B selective gold flsh, 01 stand for plating specification
- ⑥ **sequence codes:** "00"



C 2017 R S 105 11 M01 01 R A
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨







Wafer

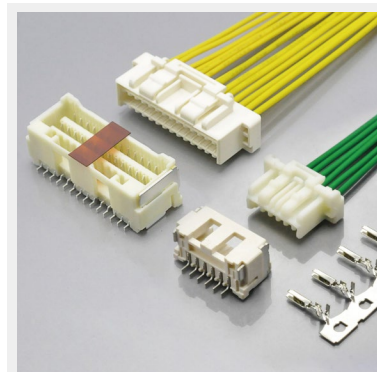
- ① Product type: C wafer
- ② Product series: (Pitch or series) as KR2017 series
- ③ Product variety: 0~9,A~Z("O" and "I" forbidden)
0: no differentiation F: female M: male
V: vertical/180° R: right/90°
- ④ Assembly: D DIP(dual-in -line, PTH, THT)
S SMT(surface mounting technology)
- ⑤ Product Pin: 105 single-row 1*5P 205 double-row 2*5P
- ⑥ Material/Color:

01: PA66 UL94 V-0 white	02: PA66 UL94 V-0 black	03: PA66 UL94 V-2 white
04: PA66 UL94 V-2 black	05: PBT black	06: PPO black
- ⑦ sequence codes: "G" with "00"
G01: G gold-plated, 01 stand for plating specification
T01: T tin-plated, 01 stand for plating specification
M01: T matte-tin, 01 stand for plating specification
B01: B selective gold flsh, 01 stand for plating specification
- ⑧ sequence codes: the different specifications in the same series and type by different numbers.
"00" priority stands for halogen-free, that is, halogen-free and have other specifications to distinguish, can use other digital codes to distinguish, but need to be described clearly on the drawing material number description.
- ⑨ Package: 0~9,A~Z("O" and "I" forbidden)
R: reel B:box P: pag T: tube

AWG	OD(outer diameter)		sectional area (mm2)	resistance value (Ω/km)
	mm	inch		
4/0	11.68	0.46	107.22	0.17
3/0	10.40	0.4096	85.01	0.21
2/0	9.27	0.3648	67.43	0.26
1/0	8.25	0.3249	53.49	0.33
1	7.35	0.2893	42.41	0.42
2	6.54	0.2576	33.62	0.53
3	5.83	0.2294	26.67	0.66
4	5.19	0.2043	21.15	0.84
5	4.62	0.1819	16.77	1.06
6	4.11	0.1620	13.30	1.33
7	3.67	0.1443	10.55	1.68
8	3.26	0.1285	8.37	2.11
9	2.91	0.1144	6.63	2.67
10	2.59	0.1019	5.26	3.36
11	2.30	0.0907	4.17	4.24
12	2.05	0.0808	3.332	5.31
13	1.82	0.0720	2.627	6.69
14	1.63	0.0641	2.075	8.45
15	1.45	0.0571	1.646	10.6
16	1.29	0.0508	1.318	13.5
17	1.15	0.0453	1.026	16.3
18	1.02	0.0403	0.8107	21.4
19	0.912	0.0359	0.5667	26.9
20	0.813	0.0320	0.5189	33.9
21	0.724	0.0285	0.4116	42.7

AWG	OD(outer diameter)		sectional area (mm2)	resistance value (Ω/km)
	mm	inch		
22	0.643	0.0253	0.3247	54.3
23	0.574	0.0226	0.2588	48.5
24	0.511	0.0201	0.2047	89.4
25	0.44	0.0179	0.1624	79.6
26	0.404	0.0159	0.1281	143
27	0.361	0.0142	0.1021	128
28	0.32	0.0126	0.0804	227
29	0.287	0.0113	0.0647	289
30	0.254	0.0100	0.0507	361
31	0.226	0.0089	0.0401	321
32	0.203	0.0080	0.0316	583
33	0.18	0.0071	0.0255	944
34	0.16	0.0063	0.0201	956
35	0.142	0.0056	0.0169	1,200
36	0.127	0.0050	0.0127	1,530
37	0.114	0.0045	0.0098	1,377
38	0.102	0.0040	0.0081	2,400
39	0.089	0.0035	0.0062	2,100
40	0.079	0.0031	0.0049	4,080
41	0.071	0.0028	0.0040	3,685
42	0.064	0.0025	0.0032	6,300
43	0.056	0.0022	0.0025	5,544
44	0.051	0.0020	0.0020	10,200
45	0.046	0.0018	0.0016	9,180
46	0.041	0.0016	0.0013	16,300

	01-02
Renewable Energy Vechicle	
	03-04
Portable Energy Storage	
	05-06
Medical Equipment	
	07-08
Consumer Electronics	
	09-10
Industrial Equipment	
	11-12
Wire Harness	



KR1507

Pitch:1.50mm

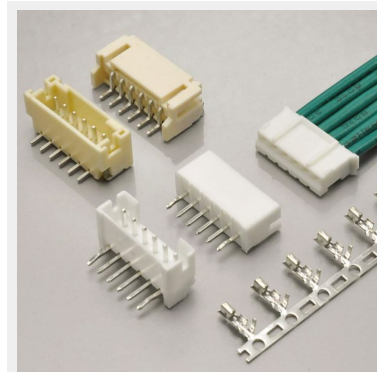
- Current rating: 3A AC, DC
- Voltage rating: 100V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 500MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1509

Pitch:1.50mm

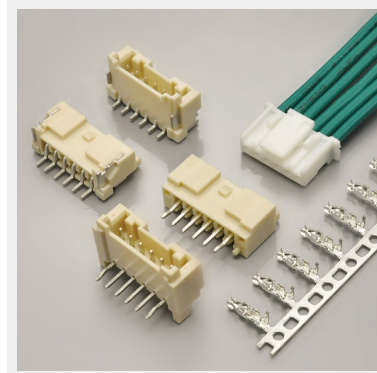
- Current rating: 3A AC, DC
- Voltage rating: 150V AC,DC
- Temperature range: -25°C ~ +85°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR2001

Pitch:2.0mm

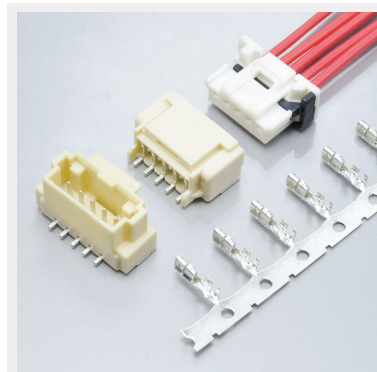
- Current rating: 2A AC, DC
- Voltage rating: 100V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 800V AC/ minute
- Contact resistance: 40mΩ/ Max.



KR2014

Pitch:2.0mm

- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 800V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR2017

Pitch:2.0mm

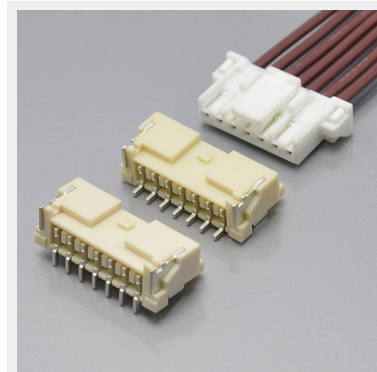
- Current rating: 3A AC, DC
- Voltage rating: 125V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 10mΩ/ Max.



KR2021

Pitch:2.0mm

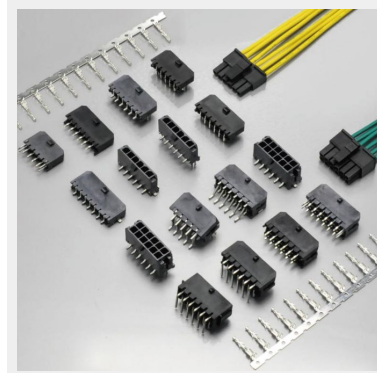
- Current rating: 4A AC, DC
- Voltage rating: 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 1000V AC/ minute
- Contact resistance: 15mΩ/ Max.



KR2022

Pitch:2.0mm

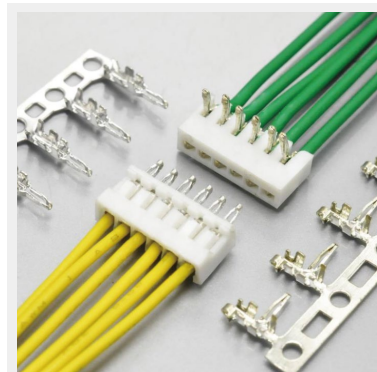
- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR3000

Pitch:3.0mm

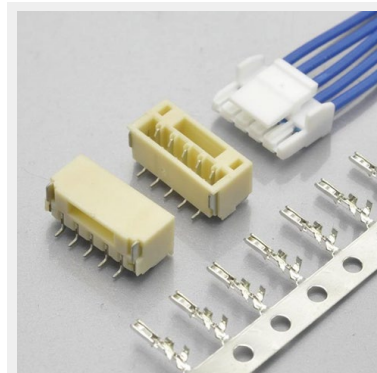
- Current rating: 5A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1500V AC/ minute
- Contact resistance: 10mΩ/ Max.



KR1502

Pitch:1.50mm

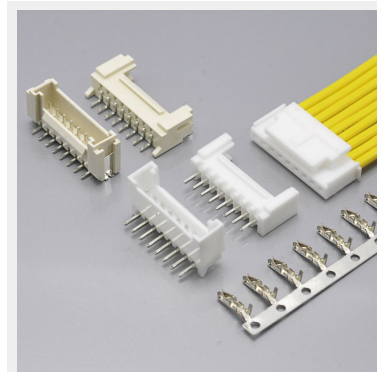
- Current rating: 1A AC, DC
- Voltage rating: 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 500MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1506

Pitch:1.50mm

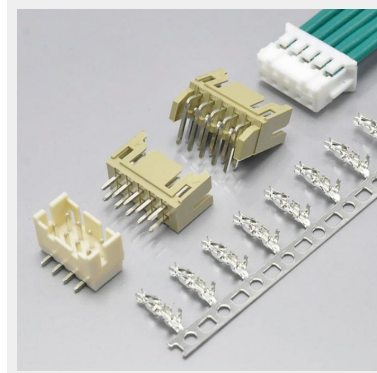
- Current rating: 1A AC, DC
- Voltage rating: 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 30mΩ/ Max.



KR2004

Pitch:2.0mm

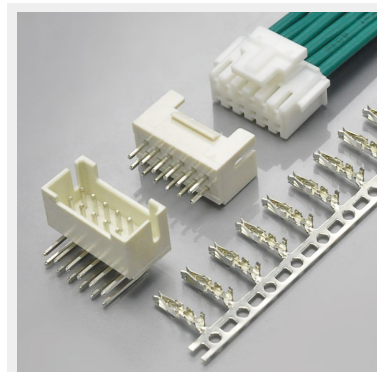
- Current rating: 2A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1000V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR2005

Pitch:2.0mm

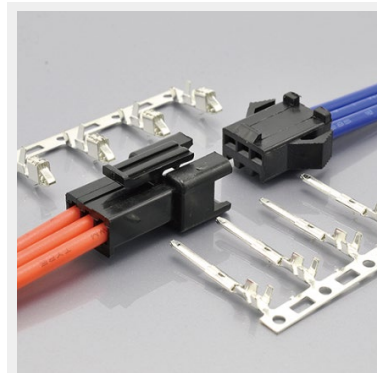
- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 800V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR2012

Pitch:2.0mm

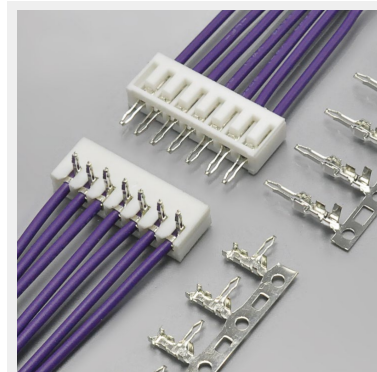
- Current rating: 2A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 800V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR2507

Pitch:2.5mm

- Current rating: 3A AC, DC
- Voltage rating: 2 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 500MΩ/ Min.
- Withstanding voltage: 1500V AC/ minute
- Contact resistance: 10mΩ/ Max.



KR2508

Pitch:2.5mm

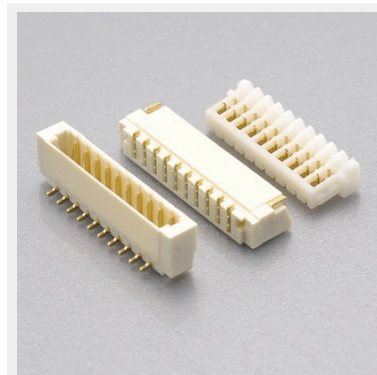
- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 800V AC/ minute
- Contact resistance: 10mΩ/ Max.



KR2541

Pitch:2.54mm

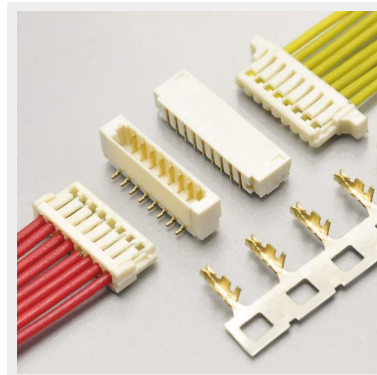
- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR0800

Pitch:0.8mm

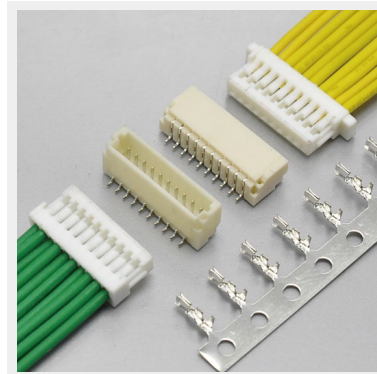
- Current rating: 0.5A AC, DC
- Voltage rating: 30V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 200V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR0803

Pitch:0.8mm

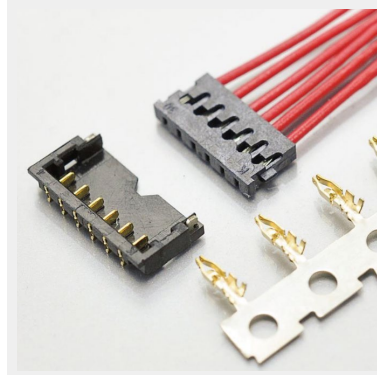
- Current rating: 0.5A AC, DC
- Voltage rating: 30V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 200V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1000

Pitch:1.0mm

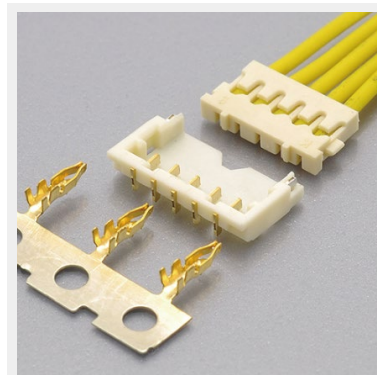
- Current rating: 1A AC, DC
- Voltage rating: 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 500MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1200

Pitch:1.2mm

- Current rating: 1.5A AC, DC
- Voltage rating: 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1201

Pitch:1.2mm

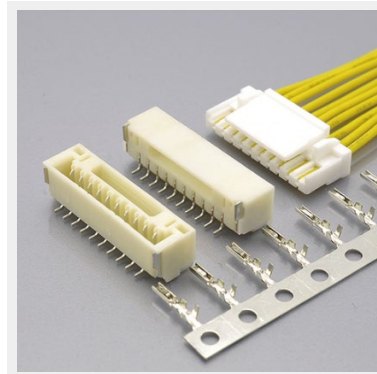
- Current rating: 1.5A AC, DC
- Voltage rating: 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1252

Pitch:1.25mm

- Current rating: 1A AC, DC
- Voltage rating: 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 250V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1259

Pitch:1.25mm

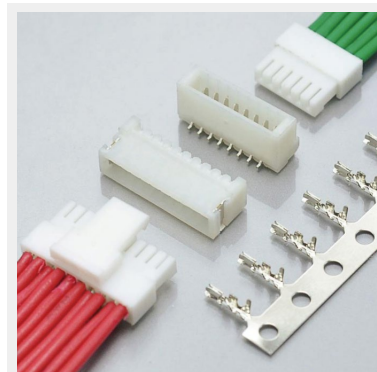
- Current rating: 1A AC, DC
- Voltage rating: 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 30mΩ/ Max.



KR3000

Pitch:3.0mm

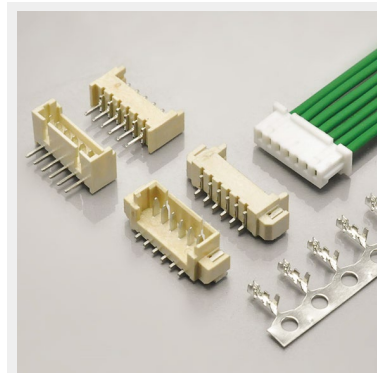
- Current rating: 5A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1500V AC/ minute
- Contact resistance: 10mΩ/ Max.



KR1005

Pitch:1.0mm

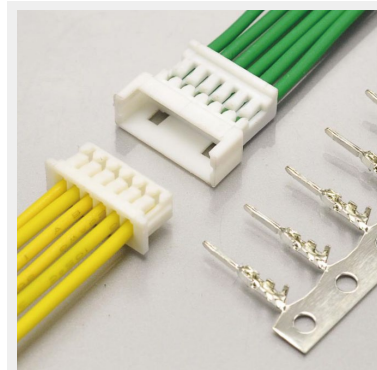
- Current rating: 1A AC, DC
- Voltage rating: 50V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1250

Pitch:1.25mm

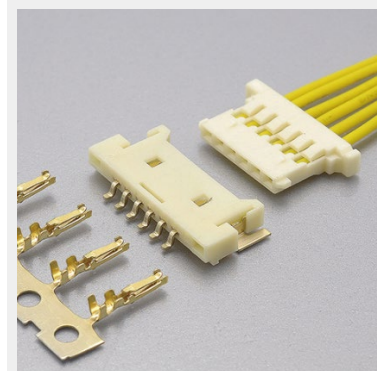
- Current rating: 1A AC, DC
- Voltage rating: 125V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 250V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1251

Pitch:1.25mm

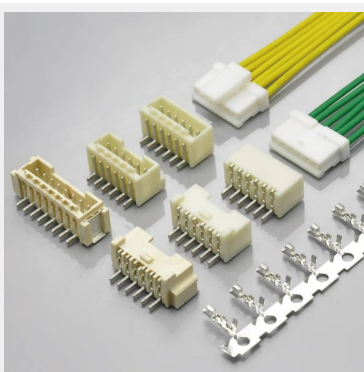
- Current rating: 1A AC, DC
- Voltage rating: 125V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 250V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1253

Pitch:1.25mm

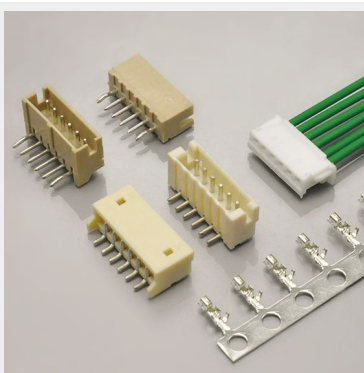
- Current rating: 1A AC, DC
- Voltage rating: 125V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1500

Pitch:1.5mm

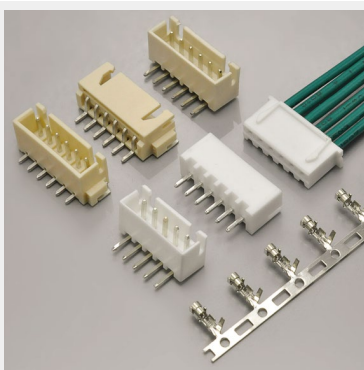
- Current rating: 2.5A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1501

Pitch:1.5mm

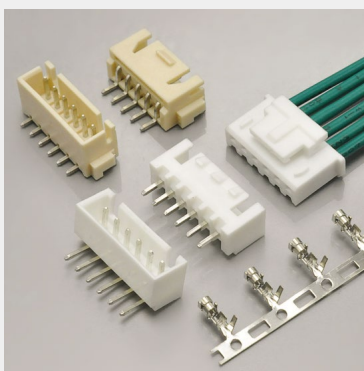
- Current rating: 1A AC, DC
- Voltage rating: 100V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 500MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR2501

Pitch:2.5mm

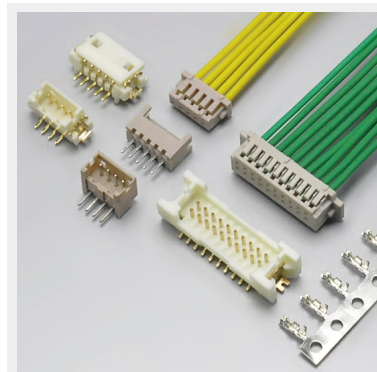
- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1000V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR2502

Pitch:2.5mm

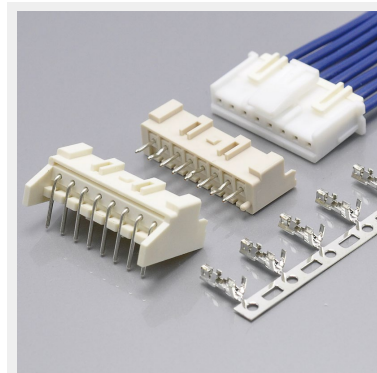
- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1000V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR1256

Pitch:1.25mm

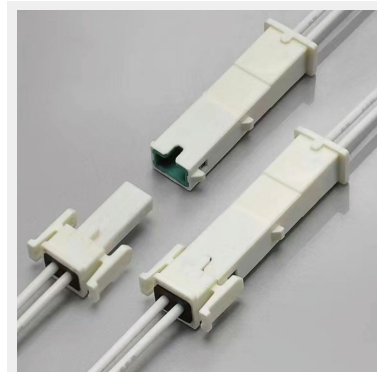
- Current rating: 1A AC, DC
- Voltage rating: 150V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 500MΩ/ Min.
- Withstanding voltage: 500V AC/ minute
- Contact resistance: 30mΩ/ Max.



KR2516

Pitch:2.5mm

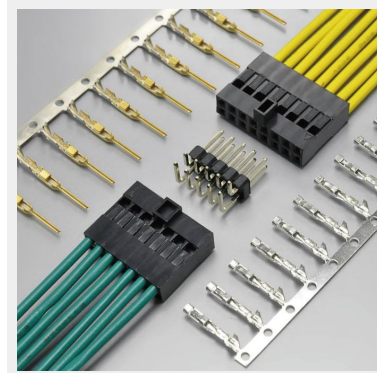
- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1000V AC/ minute
- Contact resistance: 10mΩ/ Max.



KR2517

Pitch:2.5mm

- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1000V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR2542

Pitch:2.54mm

- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1500V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR2548

Pitch:2.54mm

- Current rating: 3A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1000V AC/ minute
- Contact resistance: 20mΩ/ Max.



KR4200

Pitch:4.2mm

- Current rating: 5A AC, DC
- Voltage rating: 600V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1500V AC/ minute
- Contact resistance: 10mΩ/ Max.



KRQK000015

Pitch:2.7mm

- Current rating: 2A AC, DC
- Voltage rating: 250V AC,DC
- Temperature range: -40°C ~ +105°C
- Insulation resistance: 1000MΩ/ Min.
- Withstanding voltage: 1000V AC/ minute
- Contact resistance: 20mΩ/ Max.



KRQK001001

- Current rating: 25A AC, DC
- Voltage rating: 48V AC,DC
- Temperature range: -25°C ~ +85°C
- Insulation resistance: 100MΩ/ Min.
- Withstanding voltage: 700V AC/ minute
- Contact resistance: 10mΩ/ Max.



KONNRA®



Renewable
Energy Vehicle



Portable
Energy Storage



Medical
Equipment



Consumer
Electronics

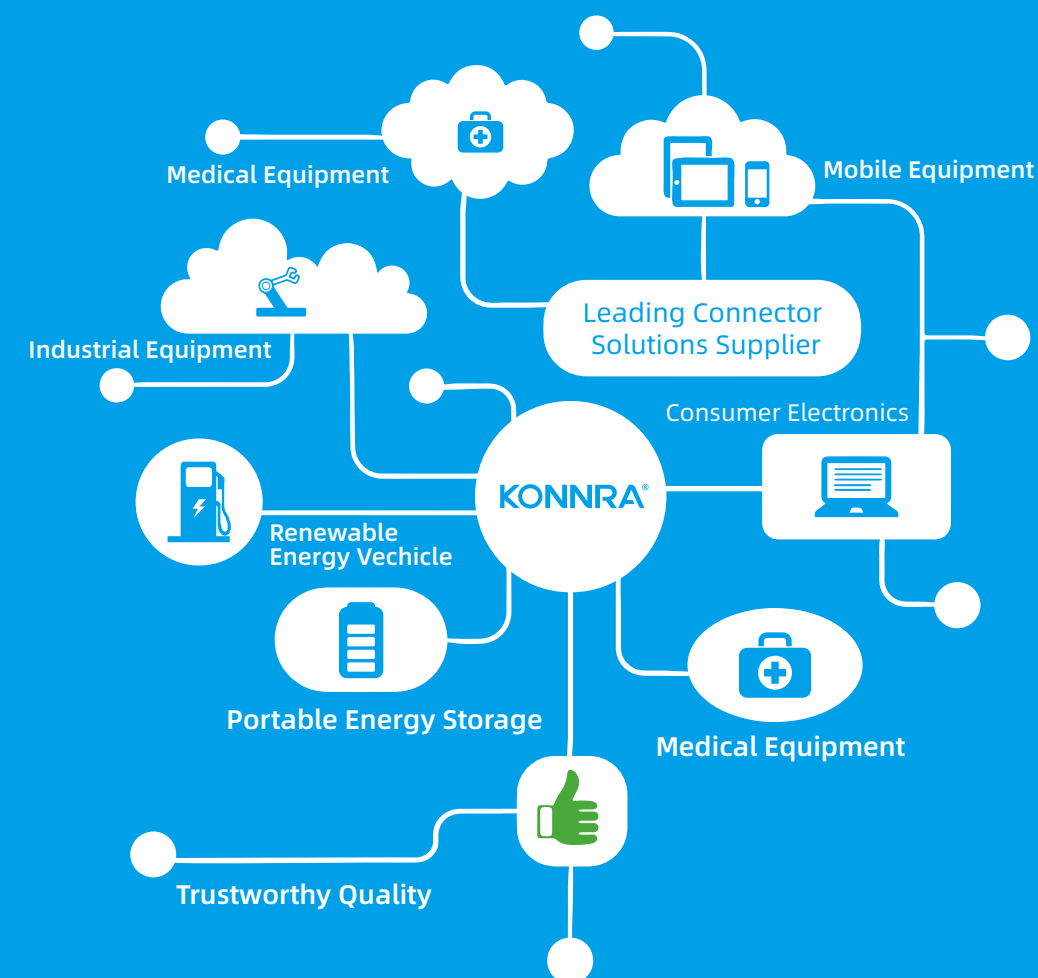


Industrial
Equipment



Wire
Harness

KONNRA®



Connect the World, Creating Future