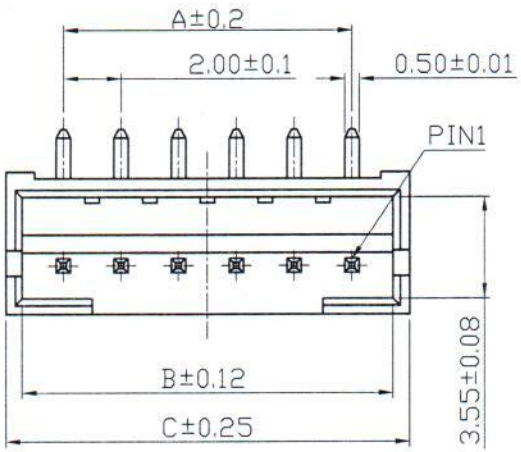
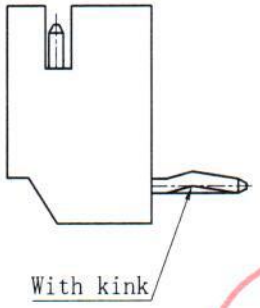
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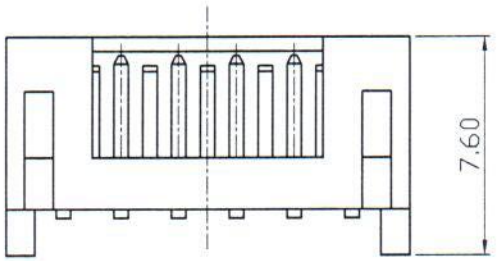


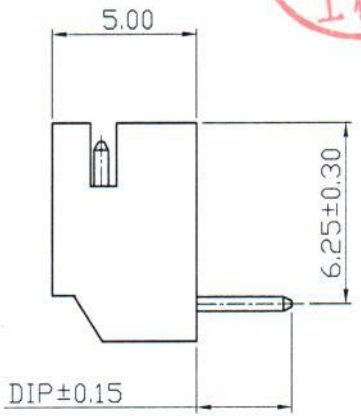
WAFER.

. Part No1: JS-1125R-XXXXXX-XXXX-NH

- Poles: 02~16
- Blank: Normal / K: Kink Foot
- Blank: DIP=3.30 / B: DIP=2.40 / C: DIP=2.30 / D: DIP=2.70
- (plating) Blank: Tin Plated / (M): Matte sn
- (materail) Blank: PA66 / D1:PA66+15%GF
- NH: Halogen Free / Blank: Normal
- Blank: Nature (color) / RD: Red / GN: Green / BK: Black / BU: Blue

出图 2021.01.18 工程部

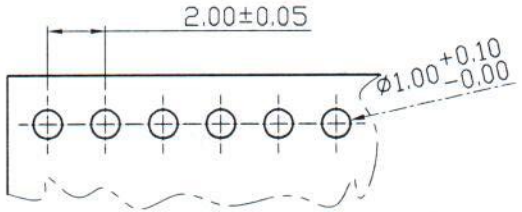




SPECIFICATIONS :

. Voltage Rating : 100V AC/DC
. Current Rating : 2A AC/DC
. Withstanding Voltage : 800V AC/minute
. Insulation Resinstance : 1000MΩ min
. Temperature Range : -25° C~+85° C
. Contact Resinstance : 20mΩ max
. Material : Contact : Brass, Tin Plated/Matte sn
Base : Nylon, UL 94V-0
. Q'ty : Bag
. Halogen free product identification LOGO on the packing

POLES	DIMENSION		
	A	B	C
02	2.00	4.85	6.00
03	4.00	6.85	8.00
04	6.00	8.85	10.00
05	8.00	10.85	12.00
06	10.00	12.85	14.00
07	12.00	14.85	16.00
08	14.00	16.85	18.00
09	16.00	18.85	20.00
10	18.00	20.85	22.00
11	20.00	22.85	24.00
12	22.00	24.85	26.00
13	24.00	26.85	28.00
14	26.00	28.85	30.00
15	28.00	30.85	32.00
16	30.00	32.85	34.00



P.C.B. Hole Diomensions

符合环境管理物质

X.± 0.30	X°± 3.0°	UNITS mm	NAME(INTENDED USE) 佳世达专用
.X± 0.20	.X°± 1.0°	MAT'L	PART NO.(INTENDED USE) JS-1125R-XX
.XX± 0.10	.XX°± 0.5°		APPD:
.XXX±0.05	.XXX°± ---	FINISH	CHKD:
		Q'TY	DR: CJG 2021.01.15

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CHYAO SHIUNN ELECTRONIC (SHANGHAI) CO.,LTD.

TITLE: 2.00mm Crimp Style Connector

DWG NO.: 020-0013-1125R-03

SCALE	SHEET	REV.
4:1	1/1	A

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ISO 9002

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This specification is referred to the 2.00mm DIP series wire to board connector.

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7.0 Electrical Performance.
电子性能
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备注

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1.0 Product Name/Part Number & Drawing Number:

Product Name		Part Number	Drawing Number
Crimp Terminal		JS-1124-T	JS-1124-T
		JS-1124-TC	JS-1124-TC
Housing		JS-1124-XX	JS-1124-XX
Wafer	Straight	JS-1125-XX / JS-1125B-XX (Normal square pin)	JS-1125-XX JS-1125B-XX
		JS-1125-XXK (Normal square pin)	JS-1125-XXK
		JS-1125S-XXK (Square pin with holding construction)	JS-1125S-XXK
	Right Angle	JS-1125R-XX (Normal square pin)	JS-1125R-XX
		JS-1125R-XXK (Normal square pin)	JS-1125R-XXK

2.0 Construction/Dimensions/Material & Surface Finish:

Part Name		Material	Surface Finish
Crimp Terminal		Phosphor Bronze	Tin-Plated(Electroplating later stamping) Gold-Plated(Stamping later electroplating)
Housing		Nylon 66	UL 94V-0
Wafer	Normal Square Pin	Brass	Tin-Plated Matte-Plated Gold-Played
	Square Pin with Holding Construction		
	Base	Nylon 66/ Nylon 66(G.F.)	UL 94V-0

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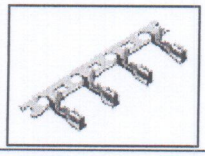
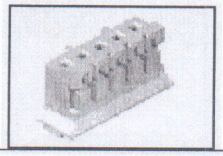
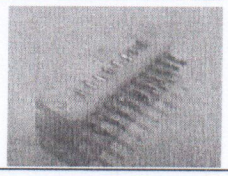
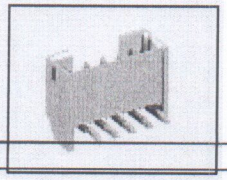
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3.0 Characteristic:

Item		Standard	
3.1	Rated Current 额定电流	2A AC/DC (With AWG #24 is applied)	
3.2	Ambient Temperature Range 适用温度	Operating Temp. : -25℃~+85℃ Including 30℃ Terminal Temperature Rise at rated Current ; Storage Temp. : -25℃~+85℃	
3.3	Applicable Wire 适用线型	3.3.1	Conductor Construction Size: AWG #22~#28
		3.3.2	Wire Insulation O.D.: 1.2mm~1.6mm
3.4	Applicable Printed Circuit Board (PCB) 适用 PCB 板	3.4.1	Thickness: 0.8 mm ~ 1.6 mm
		3.4.2	Hole Size: 0.85±0.05 mm
		3.4.3	Hole Pitch: 2.00 ± 0.05 mm

2016.5.27

4.0 Specimen:

Part Name		Part Number	Picture or Photograph
Crimp Terminal		JS-1124-T JS-1124-TC	
Housing		JS-1124-xx	
Wafer	Straight	JS-1125 JS-1125B	
	Right Angle	JS-1125R	

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5.0 Applicable Standards:

MIL-STD-202 Methods by test of connectors for electronic equipment.
EIA 364 Testing method for electrical connectors.

6.0 Mechanical Performance:

Item		Test Condition		Requirement
6.1	Insertion & Retention Force 插入与拔出力	Insert and withdraw with connectors at the speed rate of 25 25±6 mm/minute. (EIA 364-13)		Refer to paragraph 9.1
6.2	Crimp Tensile Strength (Axial) 压线拉力(轴向)	Pull out the cable from contact terminal at the speed rate of 25± 6mm/minute.	AWG#22 size wire	5.0kgf/Min.
			AWG#24 size wire	3.0kgf/Min.
			AWG#26 size wire	2.0kgf/Min.
			AWG#28 size wire	1.3kgf/Min.
6.3	Contact Retention Force 端子保持力	Axial pullout force on the terminal in the housing at the speed rate of 25 ± 6 mm per minute.		Per Contact 1.5kgf/Min.
6.4	Square Pin Retention Force PIN针保持力	Axial pullout force on the square pin in the base at the speed rate of 25 ± 6 mm per minute. (EIA 364-29C)		Per Contact 1.0kgf/Min.
				After Soldering Heat Per Contact 0.5kgf/Min

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7.0 Electrical Performance:

	Item	Test Condition	Requirement
7.1	Contact Resistance 接触电阻	A maximum voltage of 20mV and a maximum current of 10mA are applied to the Mate connectors. (EIA 364-23)	Contact Resistance: 20 milliohms Max.
7.2	Current Continuity 瞬间电流	Each circuit of the connector shall be connected in series continuity meter shall detect current discontinuity longer than 1 microsecond during the vibration test.	No discontinuity current is longer than 1 microsecond.
7.3	Insulation Resistance 绝缘电阻	Apply 500V D/C to any two adjacent contacts to measure the insulation resistance. (EIA 364-21)	Insulation Resistance: Initial 1000 megohms Min.
7.4	Withstanding Voltage 高压测试	Apply 800V A/C (rms) for 1 minute and the leakage current shall not excced 0.5mA to the adjacent terminal and ground of the Mate connectors. (EIA 364-20)	No breakdown or flashover.

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8.0 Environmental Performance:

Item		Test Condition	Requirement
8.1	Durability 耐久性	Mate Connectors up 50 Cycles at a Maximun rate of 10 cycles Per minute prior to environmental test (EIA/ECA 364-09C)	(After the test) Contact Resistance: 40 milliohms Max.
8.2	Vibration 耐振动	Frequency: 10~55~10 Hz/minute. Amplitude: 1.5 mm P-P. Direction: 1. Axis of up and down. 2. Axis of right the left. 3. Axis of front and back. Period: 2 hours for each direction. (EIA 364-28A-23)	Initial Contact Resistance : 20 milliohms Max. (After the test) Contact Resistance: 40 milliohms Max.
			No discontinuity current is longer than 1 microsecond.
8.3	Humidity Steady State 恒温恒湿	Temperature: 40±2℃. Humidity: 90%~95% (RH). Period: 96 hours continuously. (EIA 364-31)	(After the test) Contact Resistance: 40 milliohms Max.
			(After the test) Insulation Resistance: 500 Megohms Min.
			(After the test) Withstanding Voltage : No breakdown or flashover
8.4	Thermal Shock 冷热冲击	One Cycle Consists Of: -55 +0/-3℃for 30 minutes. → Room Temp.5 minutes 85+3/-0℃ for 30 minutes. → Room Temp.5 minutes Total Cycles: 25 Cycles.(EIA 364-32)	Same as paragraph 8.2

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Item		Test Condition	Requirement
8.5	Heat Aging 高温老化	Temperature: 85±2℃. Period: 96 hours continuously. (EIA 364-17)	(After the test) Contact Resistance: 40 milliohms Max.
8.6	Salt Spray 盐水喷雾	Temperature: 35±2℃. Density: 5 % in weight. Period: Terminal or contact (Stamping after tin plated for 8 hours) ; Terminal or contact (Stamping before tin plated for 24 hours) (EIA 364-26)	(After the test) Contact Resistance: 40 milliohms Max
8.7	Solder Ability 焊接能力	Solder Temperature: 245 ± 5℃. Immersion Period: 3±0.5 Seconds Method : 1.5mm From Square Pin Tip. (EIA 364-52)	Solder entirely 95% of immersed area must show no voids or pinholes.
8.8	Resistance To Soldering Heat 高温耐热焊接	Resistance to soldering heat when using normal square pin: Solder Temperature: 230 ± 5℃. Immersion Period: 3~5±0.5 Seconds	No deformation or damage.
		Resistance to soldering heat when using square pin with holding construction or using PA66(G.F.): Solder Temperature: 260 ± 5℃. Immersion Period : 3~5±0.5 Seconds (The part can't suitable to pass the IR reflow)	
		By soldering iron:350 ± 5℃ 3±0.5 Seconds. Method : 1.5mm From Square Pin Tip	

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9.0 Insertion Force (I.F.) & Retention Force (R.F.)

9.1 Requirement:

No. Of Circuits	AT INITIAL		AT 50TH	No. Of Circuits	AT INITIAL		AT 50TH
	I.F. (MAX)	R.F. (MIN)	R.F. (MIN)		I.F. (MAX)	R.F. (MIN)	R.F. (MIN)
				11	6.00	1.95	1.40
02	2.40	0.60	0.50	12	6.40	2.10	1.50
03	2.80	0.75	0.60	13	6.80	2.25	1.60
04	3.20	0.90	0.70	14	7.20	2.40	1.70
05	3.60	1.05	0.80	15	7.60	2.55	1.80
06	4.00	1.20	0.90	16	8.00	2.70	1.90
07	4.40	1.35	1.00				
08	4.80	1.50	1.10				
09	5.20	1.65	1.20				
10	5.60	1.80	1.30				

Unit: Kgf

10.0 Remark: Any change or revision for the product specification will not be announced in advance. Please contact our sales representative for the latest information.