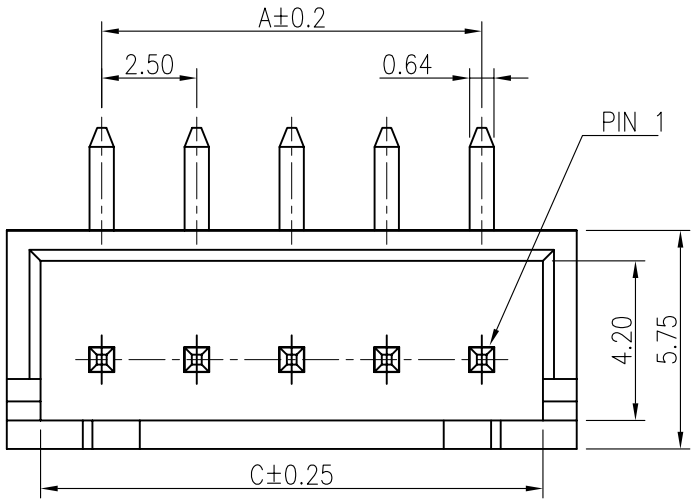
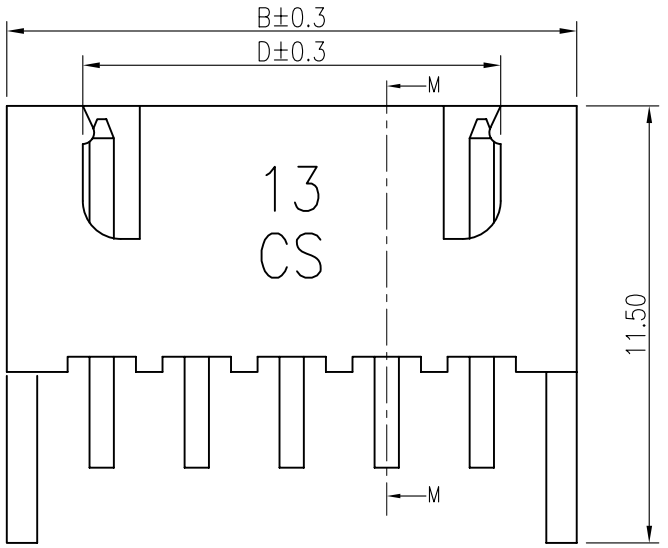
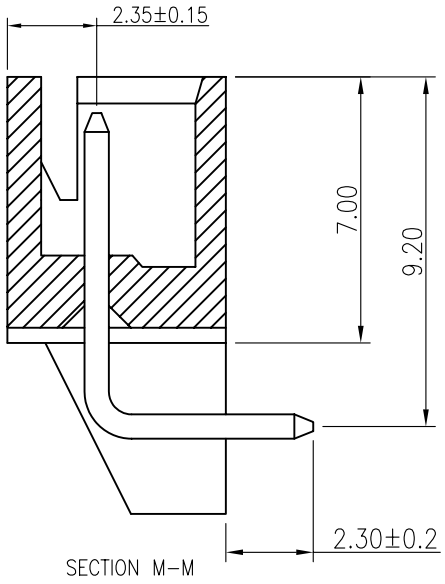
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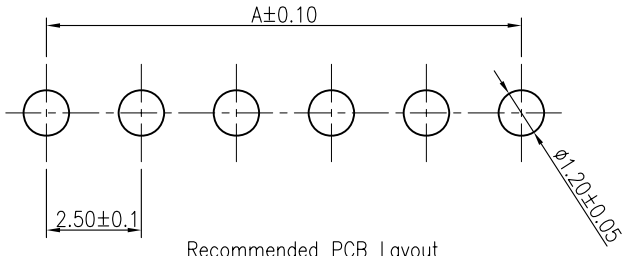
REV.	ECN.NO	REVISIONS	REV.DRAWN	DATE
A	----	初版发行	sunquan	2014/07/03
B	----	包装方式改为袋装	Zuochao	2014/12/29







SECTION M-M



Recommended PCB Layout

SPECIFICATION
. Voltage Rating : 250V AC/DC
. Current Rating : 3A AC/DC
. Withstanding Voltage : 1000V AC/Minute
. Insulation Resistance : 1000MΩ Min.
. Temperature Range : -25°C~+85°C
. Contact Resistance : 20mΩ Max.

NOTES:
1. Material: Base: Nylon, UL94V-0
   Contact: Copper Alloy
2. Packing : Bag
3. Part No. JS-1001R-XXCXX-XXXX-XX
   - Poles : 2~20
   - Blank : Tin plated
   - M : Matte Sn
   - G0 : Gold Plated
   - Blank : PA66
   - D1 : PA66+15%GF
   - A0 : PA46
   - H1 : PPA
   - Blank : Normal
   - NH : Halogen Free
   - Blank : Nature
   - BK : Black
   - BU : Blue
   - GY : Gray
   - RD : Red
   - YW : Yellow
4. Halogen free product identification LOGO on the packing

Poles	A	B	C	D
02	2.50	7.50	5.90	3.65
03	5.00	10.00	8.40	6.15
04	7.50	12.50	10.90	8.65
05	10.00	15.00	13.40	11.15
06	12.50	17.50	15.90	13.65
07	15.00	20.00	18.40	16.15
08	17.50	22.50	20.90	18.65
09	20.00	25.00	23.40	21.15
10	22.50	27.50	25.90	23.65
11	25.00	30.00	28.40	26.15
12	27.50	32.50	30.90	28.65
13	30.00	35.00	33.40	31.15
14	32.50	37.50	35.90	33.65
15	35.00	40.00	38.40	36.15
16	37.50	42.50	40.90	38.65
17	40.00	45.00	43.40	41.15
18	42.50	47.50	45.90	43.65
19	45.00	50.00	48.40	46.15
20	47.50	52.50	50.90	48.65

X.	±0.40	X.°	±5.0°
.X	±0.30	.X°	±2.0°
.XX	±0.20	.XX°	±1.0°
.XXX	±0.10	---	--

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UNITS mm
MAT'S SEE NOTE
FINISH SEE NOTE
Q'TY -----

NAME(INTENDED USE) CUSTOMER
PART NO.(INTENDED USE) JS-1001R-XXC
APPV'D
CHK'D
DR': sunquan 2014/07/03

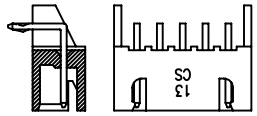
乔讯电子(上海)有限公司
CHYAO SHIUNN ELECTRONICS(SHANGHAI)CO.,LTD.

TITLE: 2.5mm Crimp Style Connectors
DWG NO. 020-0055-1001R-XXC

SCALE	SHEET	REV
5 : 1	1/1	/

符合环境管理物质

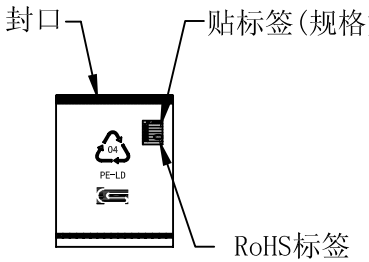
REV	ECN.NO.	REVISIONS	REV.DRAWN	DATE
A		试用版发行	sunquan	2010.04.27
B		整理发行	sunquan	2011.12.07



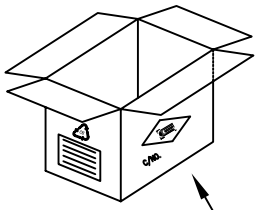


图一

PE袋

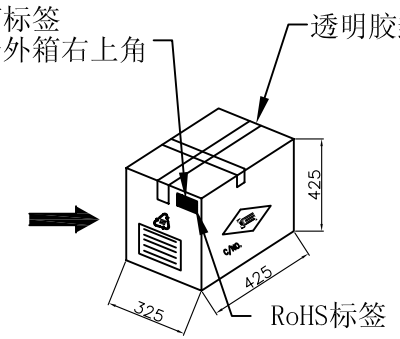


图二

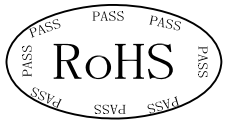


纸箱

图三



图四



RoHS标签

乔讯电子 CHYAO SHIUNN	
品号 P/N	
品名/规格 SPEC.	
数量 Q'TY	
批号 L/N	
检验日期 QC DATE	
存限日期 EX.DATE	

填客户料号
填产品品名及规格
填一包包装数量
填生产批号
检验合格后入库日期如:(2007/08/10)
入库可保存日期加一年如:(2008/08/10)
填乔讯料号

PE袋用标签

乔讯电子上海有限公司	
客户料号	
乔讯料号	
数量	
订单号	
净重	
毛重	
采购员:	

此项空白,不需填写
此项空白,不需填写

外箱标签

Poles	PE袋		纸箱
	尺寸(mm)	制品数(pcs)	制品数(Kpcs)
02	250*150	1000	55
03	250*150	1000	40
04	300*200	1000	36
05	300*200	1000	30
06	300*200	1000	26
07	300*200	1000	24
08	300*200	1000	18
09	300*200	1000	15
10	350*250	1000	12
11	350*250	1000	10
12	350*250	1000	8
13	350*250	1000	7
14	350*250	1000	6
15	350*250	1000	6

包装方式:

1. 将检验合格的产品放入PE袋内。(如图一)
2. 将PE袋进行封口,并贴上标签。再在贴好的标签上再贴上1PCS RoHS小标签(如图二)。
3. 将已经装好产品并封好口的产品放入外箱内。(如图三).
4. 确认装箱数量无误后将外箱用透明胶纸封口并贴上外箱标签,然后再贴1PCS RoHS小标签于外箱的大标签上(如图四)。

符合环境管理物质

X.±	X.°±	UNITS mm	NAME(INTENDED USE) 包装规范	CHYAO SHIUNN ELECTRONIC (SHANGHAI) CO.,LTD.
.X±	.X°±	MAT'L	PART NO.(INTENDED USE) JS-1001R-XX	TITLE: 2.50mm Crimp Style Connector
.XX±	.XX°±	FINISH	APPD:	DWG NO.: JS-1001R-XX 包装图
.XXX±	.XXX°±	Q'TY	CHKD:	SCALE 1:1 / SHEET 1/1 / REV. B
			DR: sunquan 2010.04.27	

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7FL., NO.17, LANE 3, SEC.1 CHUNG CHENG EAST RD.,
TAMSHUI, TAIPEI, TAIWAN, R.O.C.
TEL: 886-2-2629-9955 (REP) FAX: 886-2-2626-6677
http://www.chyaoshiunn.com.tw E-mail:cs@chyaoshiunn.com.tw

Type Document	Product Specification	Revised / Edition	*N*
Date Issued	*1998/12/01*	Data Revised	*2020/05/15*
Subject: JS-1001(1001S 1001R 1001SB1)/(K) JS-2001 JS-2001-T/TB/TE/T4 Pitch 2.50mm Series Wire to Board Connector			Issued By: Engineering Dept.

This specification is referred to the 2.50mm DIP series wire to board connector.

-INDEX-

1.0 Product Name/Part Number & Drawing Number.

2.0 Construction/Dimensions/Material & Surface Finish.

3.0 Characteristic.

4.0 Specimen.

5.0 Applicable Standards.

6.0 Mechanical Performance.

7.0 Electrical Performance.

8.0 Environmental Performance.

9.0 Insertion Force & Retention Force Requirement.

10.0 Remark.

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1.0 Product Name/Part Number & Drawing Number:

Product Name		Part Number	Drawing Number
Crimp Terminal		JS-2001-T / TE (Stamping after tin plated)	JS-2001-T
		JS-2001-TB / T4 (Stamping after tin plated)	JS-2001-T
Housing		JS-2001-XX	JS-2001-XX
Wafer	Straight	JS-1001-XX/ XXK (Normal square pin)	JS-1001-XX/ XXK
		JS-1001S-XX/ XXK ; JS-1001SB1-XXK (Square pin with holding construction)	JS-1001S-XX/ XXK JS-1001SB1-XXK
		JS-1001S-XX/ XXK-HK; JS-1001SB1-XXK-HK (Square pin with holding construction; With lock)	JS-1001S-XX/ XXK-HK JS-1001SB1-XXK-HK
	Right Angle	JS-1001R-XX/ XXK (Normal square pin)	JS-1001R-XX/ XXK
		JS-1001R-XX/XXK-HK (Normal square pin; With lock)	JS-1001R-XX/XXK -HK

2.0 Construction/Dimensions/Material & Surface Finish:

Part Name		Material	Surface Finish
Crimp Terminal	JS-2001-T/TE	Phosphor Bronze	Tin-Plated
	JS-2001-TB	Brass	Tin-Plated
Housing		Nylon 66	UL 94V-0
Wafer	Normal square pin	Brass	Tin or Matte-Tin Plated
	Square pin with holding construction		

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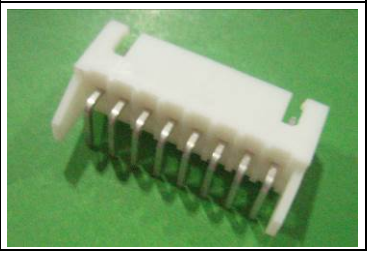
Type Document	Product Specification	Revised / Edition	N
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Subject: JS-1001(1001S 1001R 1001SB1)/(K) JS-2001 JS-2001-T/TB/TE/T4 Pitch 2.50mm Series Wire to Board Connector			Issued By: Engineering Dept.

	Base	Nylon 66 & Nylon 46	UL 94V-0

3.0 Characteristic:

Item			Standard
3.1	Rated Current		3A AC/DC (With AWG #24 is applied)
3.2	Ambient Temperature Range		Operating Temp.: -25~+85 Including 30℃ Terminal Temperature Rise at rated Current . Storage temp.: -25~+85
3.3	Applicable Wire	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 Layout	3.4.1	Thickness: 0.8 mm ~ 1.6 mm
		3.4.2	Hole Size: 1.2±0.05 mm
		3.4.3	Hole Pitch: 2.50 ± 0.05 mm

4.0 Specimen:

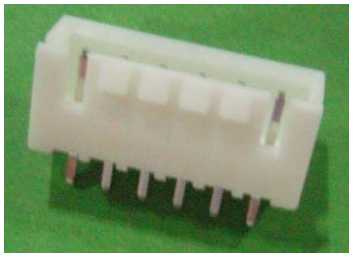
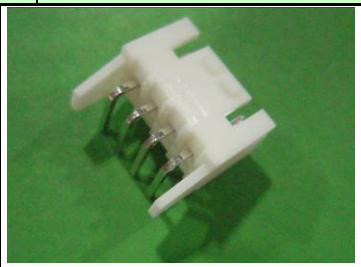
Part Name/ Part Number/ Picture or Photograph			
Crimp Terminal JS-2001-T/TB/TE		Housing JS-2001	
Wafer Straight JS-1001 JS-1001S		Wafer Right Angle JS-1001R	

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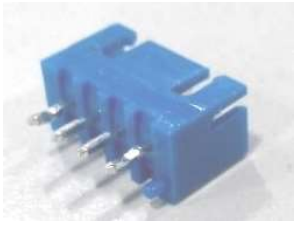
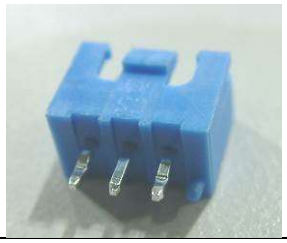
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Date Issued	***1998/12/01***	**Data Revised**	***2020/05/15***
Subject: JS-1001(1001S 1001R 1001SB1)/(K) JS-2001 JS-2001-T/TB/TE/T4 Pitch 2.50mm Series Wire to Board Connector			**Issued By: Engineering Dept.**

Wafer Straight JS-1001/HK JS-1001S/HK		**Wafer Right Angle JS-1001R/HK**	

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Part Name/ Part Number/ Picture or Photograph			
Wafer Straight JS-1001SB1-XXK		Wafer Straight JS-1001SB1-XXK-HK	

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	Insert and withdraw with connectors at the speed rate of 25±6 mm/minute. (EIA 364-13)		Refer to paragraph 9.1
6.2	Wire Pullout Force(Axial)	Pull out the cable from contact terminal at the speed rate of 25± 6 mm/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.

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Type Document	Product Specification	Revised / Edition	*N*
Date Issued	*1998/12/01*	Data Revised	*2020/05/15*
Subject: JS-1001(1001S 1001R 1001SB1)/(K) *JS-2001 JS-2001-T/TB/TE/T4* *Pitch 2.50mm Series Wire to Board Connector*			Issued By: Engineering Dept.

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Item	Test Condition	Requirement	Item
6.3	Crimp Terminal Retention Force (in Housing)	Axial pullout force on the terminal in the housing at the speed rate of 25 ± 6 mm per minute.	Per Contact 2.5kgf/Min.
6.4	Square Pin Retention Force (in Base)	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 2.0kgf/Min. After Soldering Heat Per Contact 0.7kgf/Min

7.0 Electrical Performance:

Item		Test Condition	Requirement
7.1	Contact Resistance	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	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.

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Item		Test Condition	Requirement
7.3	Insulation Resistance	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	Apply 1000V 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.

8.0 Environmental Performance:

Item	Test Condition	Requirement	Item
8.1	Vibration	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.

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Item		Test Condition	Requirement
8.2	Humidity Steady State	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
8.3	Heat Aging	Temperature: 85±2℃. Period: 96 hours continuously. (EIA 364-17)	(After the test) Contact Resistance: 40 milliohms Max.
8.4	Thermal Shock	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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Type Document	Product Specification	Revised / Edition	N
Date Issued	1998/12/01	Data Revised	2020/05/15
Subject: JS-1001(1001S 1001R 1001SB1)/(K) JS-2001 JS-2001-T/TB/TE/T4 Pitch 2.50mm Series Wire to Board Connector			Issued By: Engineering Dept.

Item		Test Condition	Requirement
8.5	Salt Spray	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)	(After the test) Contact Resistance: 40 milliohms Max
8.6	Solder Ability	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.
8.7	Resistance To Soldering Heat	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.) & PA46: Solder Temperature: 260 ± 5℃. Immersion Period : 3~5±0.5 Seconds (The part can't suitable to pass the IR reflow)	

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		By soldering iron:350 ± 5℃ 3±0.5 Seconds. Method : 1.5mm From Square Pin Tip	

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	9.0	2.3	2.0
02	3.0	0.7	0.6	12	9.0	2.3	2.0
03	3.5	0.7	0.6	13	9.5	2.7	2.3
04	4.0	1.1	1.0	14	9.5	2.7	2.3
05	4.5	1.1	1.0	15	10.0	3.0	2.6
06	5.5	1.5	1.4	16	10.0	3.0	2.6
07	6.5	1.7	1.6	17	11.0	3.2	2.8
08	7.5	1.7	1.6	18	11.0	3.2	2.8
09	8.0	2.0	1.8	19	12.0	3.3	2.9
10	8.5	2.0	1.8	20	12.0	3.3	2.9

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.