承认书

SPECIFICATION FOR APPROVAL Rev.A

FILE NO. AS-PJ-3195HA-EP

客户名称 CUSTOMER NAME.	
客户料号 CUSTOMER PART NO.:	
型 号 Model Type:	Ø3.5 DIP TYPE PHONE JACK
制造者系列号 Maker Series No.:	PHONE JACK SERIES
制造者料号 Maker Part No.:	PJ-3195HA-EP
日 期 DATE	2018.9.11

Approved by Customer:

香港春生实业有限公司

浙江春生电子有限公司
中国浙江省乐清市虹桥经东工业区幸福路1288-5号
No.1288-5,Xinglu East Road,East Industrial Zone,Hongqiao Town,Yueqing City,Zhejiang,P.R.China
TEL:86-577-57578000
FAX:86-577-57575773
E-mail:saler@chunsheng.com

浙江春生電子有限公司 工程部

Specifications

Model Type:	Ø3.5 DIP TYPE PHONE JACK	Designed	Checked	Approved
Maker Series No.:	PHONE JACK SERIES	Kbing.Ni	Paul.Wei	David.Li
Maker Part No.:	PJ-3195HA-EP			
Customer Ref.:				

1. APPLICATION

This specification covers the requirements for earphone jacks used for radios, radio cassettes, cassette tape recorders, TV'S, video cassette recorders, video disk units, etc.

2. RATED

2.1.Practical temperature range: -25°C to +70°C

Humidity range: 85% RH.Max.

2.2.Rated voltage: 30V DC

2.3.Rated current: 0.3A

3. CONSTRUCTION

3.1.Outline And Dimension

Outline and dimension of the jack shown be as attached part drawing.

3.2.Part And Material

The parts and materials shown be in material identification sheet and certification of material.

4. REQUIREMENTS

4.1.Electrical

4.1.1.Insulation resistance

Insulation resistance of the jack between mutually insulated terminals or metalic parts shall not less than 100 megohms before test or initial, using 100 volts DC insulation resistance meter.

TABLE 1:

Condition	Value
Initial	100 megohms or more
After heat test	
After cold test	
After resistance to soldering heat test	
After life test	
After temperature cycling test	
After humidity test	50 megohms or more

Specifications

Model Type:	Ø3.5 DIP TYPE PHONE JACK
Maker Series No.:	PHONE JACK SERIES
Maker Part No.:	PJ-3195HA-EP
Customer Ref.:	

4.1.2.Contact resistance

Contact resistance of the jack between terminals to be made a closed circuit shall not exceed 50 milliohms before test or initial, and shall not exceed 100 milliohms after life test, At a current of below 1 kHz by the voltage drop method or four terminals method.

TABLE 2:

Condition	Value
Initial	less than 30 milliohms
After heat test	
After cold test	
After resistance to soldering heat test	
After temperature cycling test	
After humidity test	
After life test	less than 60 milliohms

4.1.3.Withstanding voltage

The Jack shall withstanded 500V (AC 50/60Hz RMS) between mutually insulated pin contacts for one minute, without breakdown.

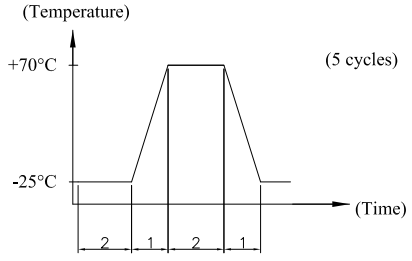
4.2. Mechanical

No.	Item	Test conditions	Requirement
4.2.1	Insertion and extraction force	Insertion and extraction force of jack shall measured with a load cell or equivalent. The matching plug shall inserted into the jack and extracted from the jack slowly.	3N～30N
4.2.2	Terminal strength	Every terminal shall capable of withstand a force of 5N for 10 seconds in any direction.	5N for 10 seconds without lossing and breakdown but deformation of terminal is accepted.
4.2.3	Loosen strength of contact	The jack shall capable of withstand a force of 5N, applied in direction of extraction of contact terminal for 10 seconds	5N for 10 seconds without lossing and breakdown
4.2.4	Life test	The life test shall consist of 5000 cycles of insertion and extraction with gauge plug covered with a thin coat of grease in order to prevent from heating and wearing, at a rate of 20 to 30 cycles per minutes under no load.	comply with paragraphs 4.1 and 4.2

Specifications

Model Type:	Ø3.5 DIP TYPE PHONE JACK
Maker Series No.:	PHONE JACK SERIES
Maker Part No.:	PJ-3195HA-EP
Customer Ref.:	

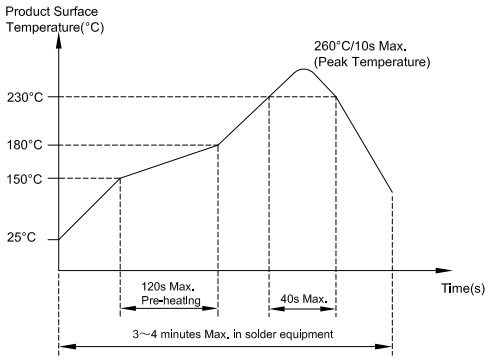
4.3. Environmental

No.	Item	Test conditions	Requirement
4.3.1	Heat test	The jack shall subjected to temperature of 70°C±2°C for a period of 96 hours, then shall allowed to remain in room ambient conditions for 30 minutes.	●Comply with 4.1, 4.2 ●No appearance defect occurred
4.3.2	Cold test	The jack shall subjected to temperature of -25°C±2°C for a period of 96 hours, then shall allowed to remain in room ambient conditions for 30 minutes.	
4.3.3	Humidity test	The jack shall subjected to temperature of 40°C±2°C and relative humidity of 90% to 95% for a period of 96 hours. Upon completion of the exposure, dew drops shall blown out and removed from it, after which it shall conditioned at room ambient conditions for 30 minutes.	
4.3.4	Change of temperature	The product shall subjected to conditions as shown in below, and then shall returned and allowed to remain ambient condition for 30 minutes. 	
4.3.5	Solderability test	Temperature of solder: 245±5°C. Time of dip: 3±0.5 seconds. Length of dip: 2.5 mm (from top of terminal).	Wetting must occur over at least 90% of the solder immersion surface.

Specifications

Model Type:	Ø3.5 DIP TYPE PHONE JACK
Maker Series No.:	PHONE JACK SERIES
Maker Part No.:	PJ-3195HA-EP
Customer Ref.:	

4.4. Environmental

No.	Item	Test conditions	Requirement
4.3.6	Resistance to soldering heat test	1. SMT Reflow solder: Temperature of solder: 260±5°C Time: 10 seconds Max.  2. Soldering iron solder: Temperature of solder: 360±5°C Time: 3～5 seconds	At the conclusion of the test, it shall comply with paragraphs 4.1 and 4.2,and not show remarkable failure.
4.3.7	Salt spray test	1、Testing bath: The temperature shall 35°C±2°C in the ambient of the specimen during the test. 2、Spray apparatus: The apparatus shall capable of producing fine dense mist uniformly. 3、Salt water: The concentration of the salt water shall adjusted at 5±1% weight ratio at 35°C±2°C. 4、Testing time: 24±0.5 hours. After washed in water. the sample shall left alone for 1 to 2 hours in a room ambient.	Appearance shall not extremely rust.and contacting portions should such that they will work without hindrance for practical use.

5. TEST CONDITION

Unless otherwise specified herein, all measurements and tests shall made at temperature of 5°C to 35°C and relative humidity of 45% to 85%.

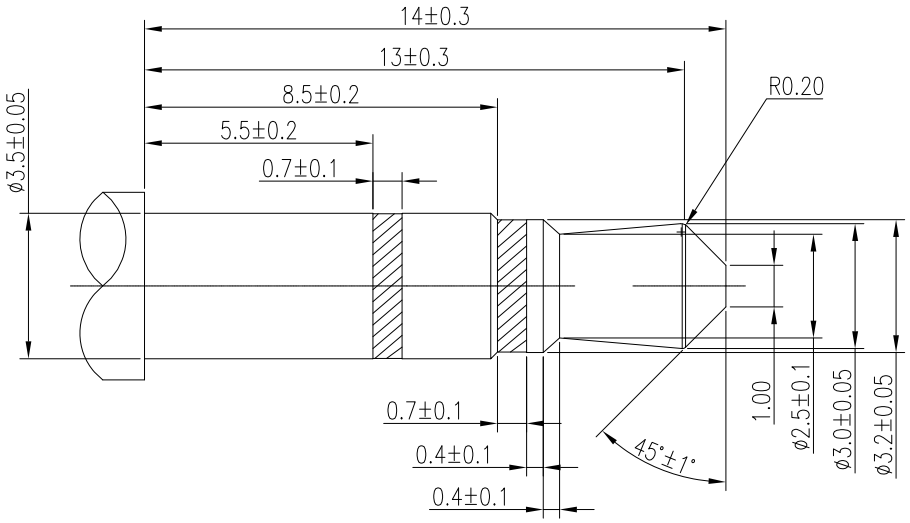
6. AMENDMENT

When the amendment of this specification comes into necessity,it shall made by the mutual consultation and agreement between manufacture and customer.

Specifications

Description	Ø3.5 DIP TYPE PHONE JACK
Maker Model No.	PHONE JACK SERIES
Maker Part No.	PJ-3195HA-EP
Customer Ref	

ø3.50mm 3 POLE PLUG DETAIL DRAWING



Surface roughness: Peak-t0 valley height of 0.20 micro Max.

For insertion and extraction force:

Material: T10A

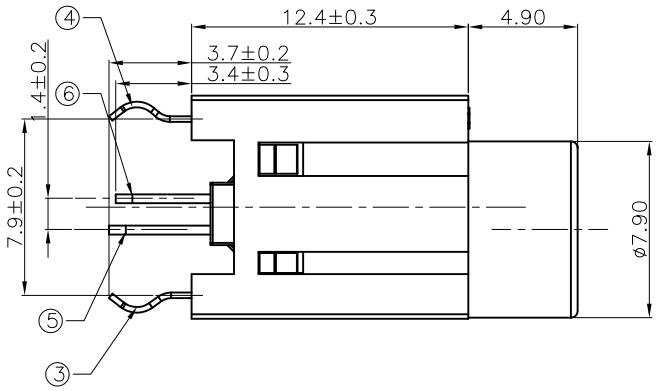
Hardness: HRC56-62

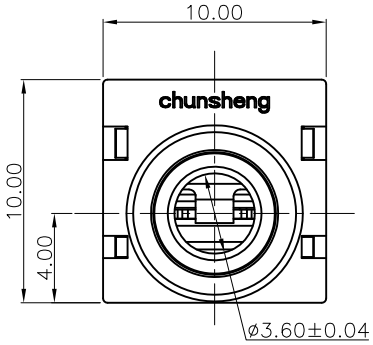
For contact resistance:

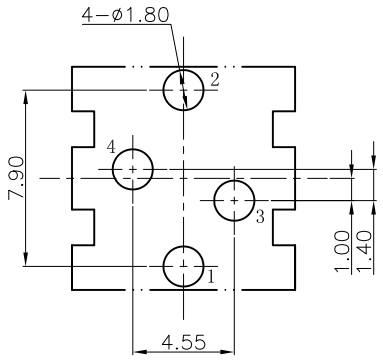
Material: Brass.

Finish: Silver plated.

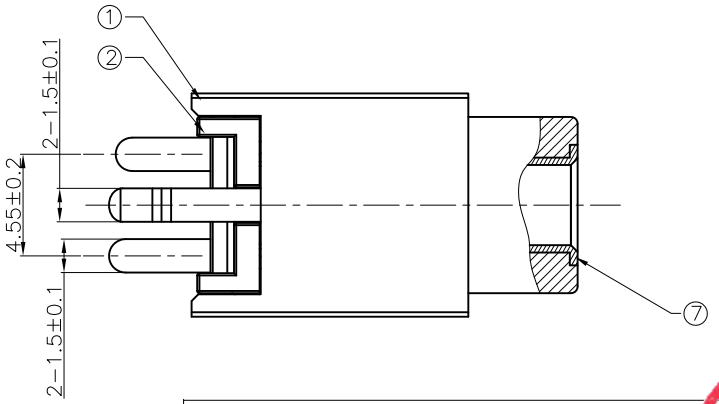
REV.	ECN NO.	MODIFIED MARK	APPROVED
X1	————	FIRST RELEASE	Zhihua.Lei

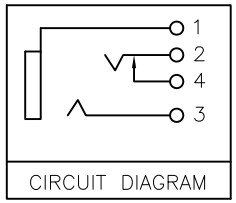






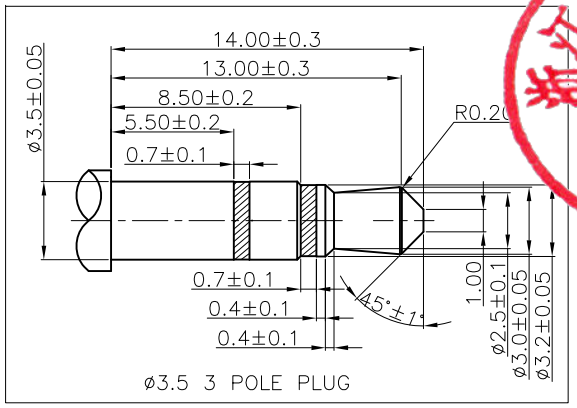
RECOMMENDED PCB LAYOUT
(TOP VIEW TOLERANE:±0.05)





CIRCUIT DIAGRAM

NOTES:
ELECTRICAL:
1:RATED CURRENT: 0.3A Max.
2:RATED VOLTAGE: 30V DC(RMS).
3:CONTACT RESISTANCE: 30 MILLIOHMS Max.
4:INSULATION RESISTANCE: 100 MEGAOHMS Min.
5:DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC Min.
MECHANICAL:
1:INSERTION FORCE: 3N~30N .
2:WITHDRAWAL FORCE: 3N~30N .
ENVIRONMENTAL:
TEMPERATURE RANGE: –25°C TO 70°C.



ø3.5 3 POLE PLUG

浙江春生電子有限公司 工程部

NO.	PART NAME	MATERIAL	FINISH/COLOR	REMARK	Q'TY
⑦	SLEEVE	H59	Ni PLATED	RoHS COMPLIANT	1
⑥	TERMINAL–4#	H62 T=0.4mm	Ag PLATED		1
⑤	TERMINAL–3#	Qsn6.5–0.1 T=0.4mm	Ag PLATED		1
④	TERMINAL–2#	Qsn6.5–0.1 T=0.25mm	Ag PLATED		1
③	TERMINAL–1#	Qsn6.5–0.1 T=0.25mm	Ag PLATED		1
②	COVER	POM	BLACK		1
①	HOUSING	PBT	BLACK		1

X. ±0.38	X.° ±3°	MODEL NAME: (PART NO.)	PJ–3195HA–EP 706–0001–0700
.X ±0.30	.X° ±2°		
.XX ±0.20	.XX° ±1°	MAT'L: SEE TABLE	DESIGN:
.XXX ±0.10	TOL TABLE:	FINISH: SEE TABLE	CHECKED:
		Q'TY: N/A	APPROVED:

浙江春生电子有限公司
Zhejiang Chunsheng Electronics Co., Ltd.

TITLE: PJ–3195HA–EP

DWG NO.: 706–0000–0700 REV.: X1

UNIT: mm | VIEW: | SCALE: 4:1 | SHEET: 1/1 | SIZE: A3