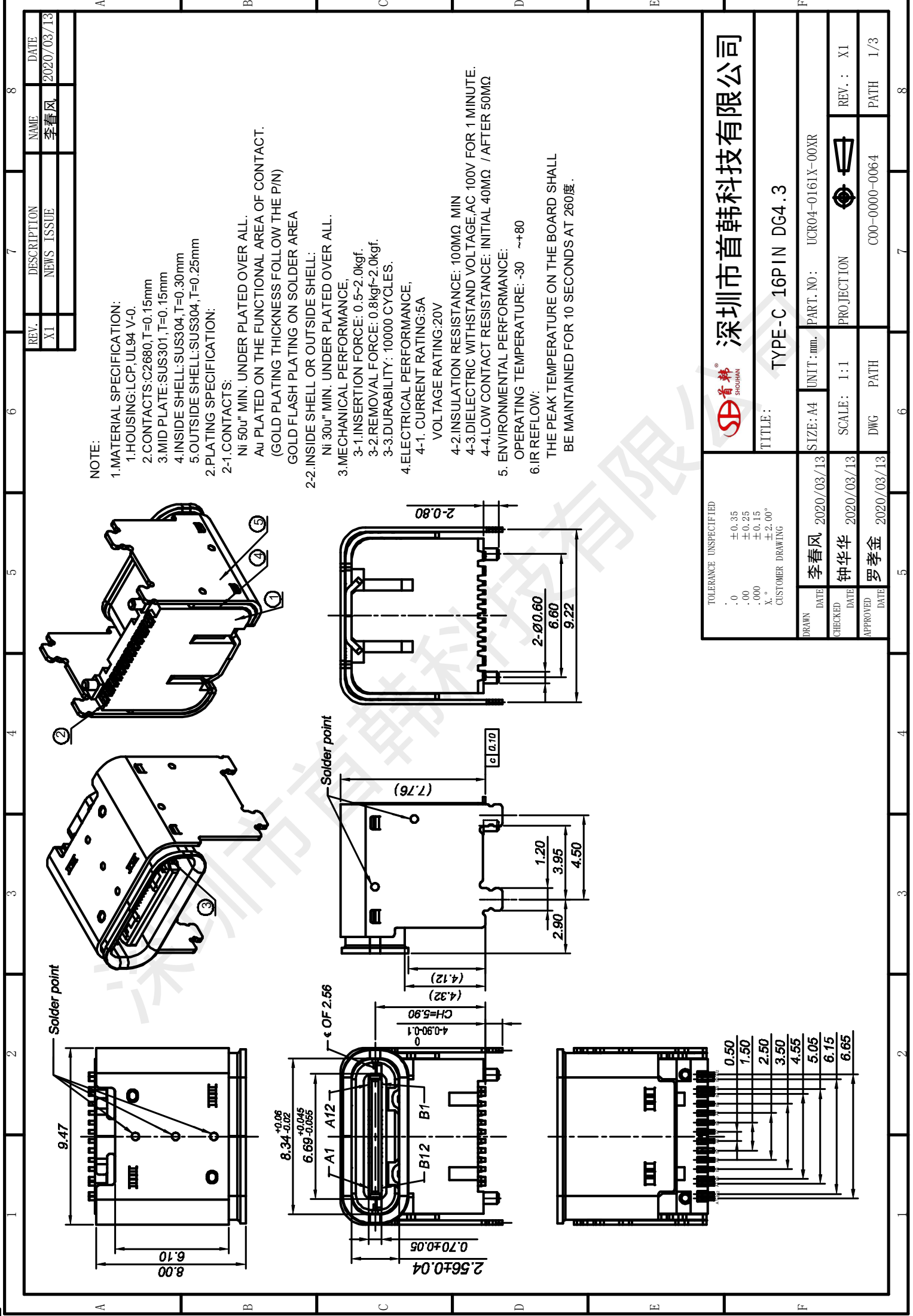
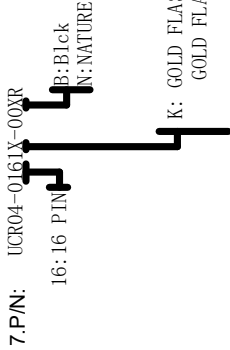




NOTE:

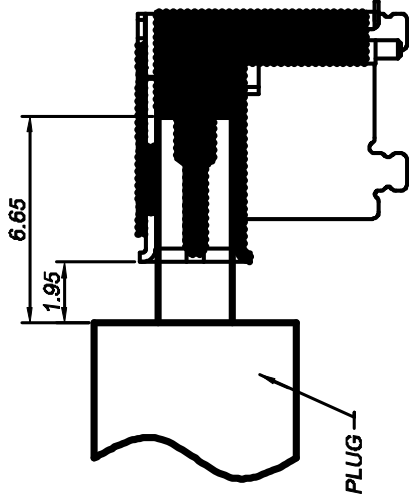
- MATERIAL SPECIFICATION:
 - HOUSING:LCP UL94 V-0.
 - CONTACTS:C2680,T=0.15mm
 - MID PLATE:SUS301,T=0.15mm
 - INSIDE SHELL:SUS304,T=0.30mm
 - OUTSIDE SHELL:SUS304,T=0.25mm
- PLATING SPECIFICATION:
 - CONTACTS:
 - Ni 50u" MIN. UNDER PLATED OVER ALL.
 - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
 - (GOLD PLATING THICKNESS FOLLOW THE P/N)
 - GOLD FLASH PLATING ON SOLDER AREA
 - INSIDE SHELL OR OUTSIDE SHELL:
 - Ni 30u" MIN. UNDER PLATED OVER ALL.
 - MECHANICAL PERFORMANCE:
 - 3-1.INSERTION FORCE: 0.5~2.0kgf.
 - 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
 - 3-3.DURABILITY: 10000 CYCLES.
 - ELECTRICAL PERFORMANCE,
 - 4-1. CURRENT RATING:5A
 - VOLTAGE RATING:20V
 - 4-2.INSULATION RESISTANCE: 100MΩ MIN
 - 4-3.DIELECTRIC WITHSTAND VOLTAGE:AC 100V FOR 1 MINUTE.
 - 4-4.LOW CONTACT RESISTANCE: INITIAL 40MΩ / AFTER 50MΩ
 - ENVIRONMENTAL PERFORMANCE:
 - 5. ENVIRONMENTAL PERFORMANCE:
 - OPERATING TEMPERATURE: -30 ~+80
 - 6.IR REFLOW:
 - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260度.

TOLERANCE UNSPECIFIED		首韩® SHOUHAN		深圳市首韩科技有限公司			
.0 ±0.35		TITLE: TYPE-C 16PIN DG4.3					
.00 ±0.25							
.000 ±0.15							
X.° ±2.00°							
CUSTOMER DRAWING							
DRAWN	DATE	李春风	2020/03/13	SIZE: A4	UNIT: mm.	PART. NO:	UCR04-0161X-00XR
CHECKED	DATE	钟华华	2020/03/13	SCALE: 1:1		PROJECTION	
APPROVED	DATE	罗孝金	2020/03/13	DWG	PATH	C00-0000-0064	REV.: X1
							PATH 1/3

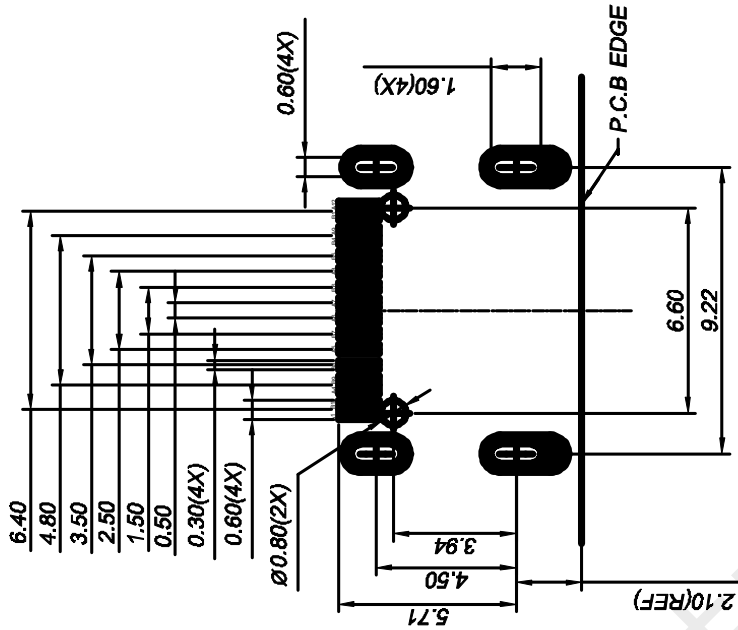


USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



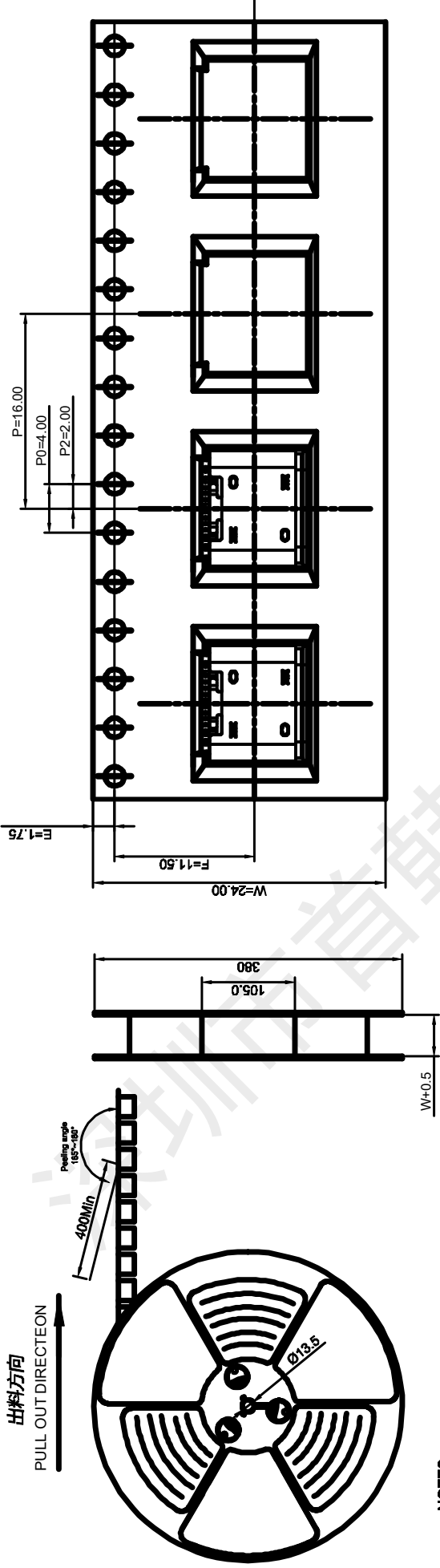
AFTER MATING
SCALE 1:1



RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05

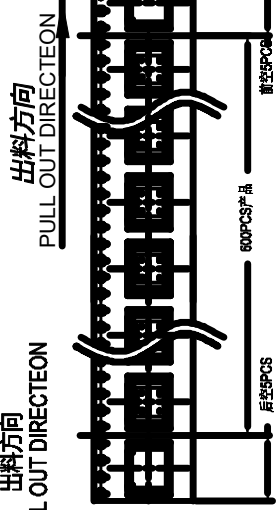
TOLERANCE UNSPECIFIED .0 ± 0.35 .00 ± 0.25 .000 ± 0.15 X. $\pm 2.00^\circ$ CUSTOMER DRAWING		DRAWN DATE		李春风 2020/03/13		SIZE: A4		UNIT: mm.		PART. NO: UCR04-0161X-00XR	
CHECKED DATE		钟华华 2020/03/13		SCALE: 1:1		PROJECTION		REV.: X1		TITLE: TYPE-C 16PIN DG4.3	
APPROVED DATE		罗孝金 2020/03/13		DWG PATH		C00-0000-0064		PATH 2/3		REV.: X1	

首韩 SHOUHAN 深圳市首韩科技有限公司



NOTES

1. 帶子引導長度
LEAD TAPE LENGTH
出料方向
PULL OUT DIRECTION



2. 上帶 剝力力為: 0.1~1.3N(10.2gf~130gf)
PEELING OFF FORCE OF TOP TAPE: 0.1~1.3N(10.2gf~130gf)
出貨運輸過程中一定注意:
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT:
卷帶在運輸過程中不能散開
PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION

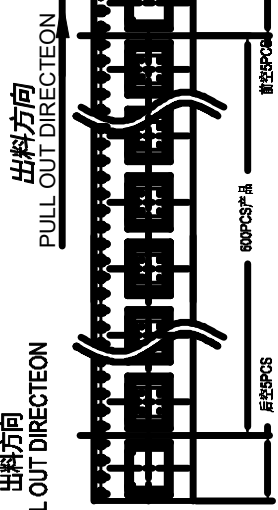
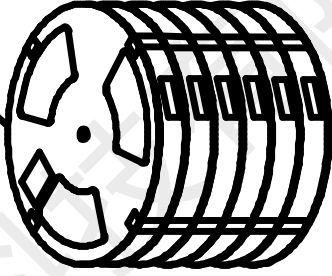
TAPE & REEL 7 PCS

1 REEL
= 600 PCS

BOX

DIMENSIONS:
39.5X39.5X20

1 CARTON
= 7 REELS
= 4200 PCS



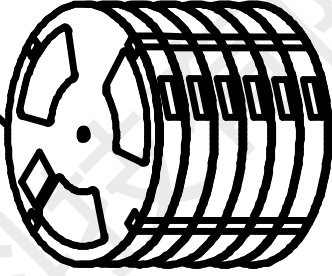
TAPE & REEL 7 PCS

1 REEL
= 600 PCS

BOX

DIMENSIONS:
39.5X39.5X20

1 CARTON
= 7 REELS
= 4200 PCS



TOLERANCE UNSPECIFIED
±0.35
±0.25
±0.15
±2.00°
CUSTOMER DRAWING

SD 首韩
SHOUHAN
深圳市首韩科技有限公司

TITLE: TYPE-C 16PIN DG4.3

DRAWN	DATE	李春风	2020/03/13	SIZE: A4	UNIT: mm	PART. NO:	UCR04-0161X-00XR
CHECKED	DATE	钟华华	2020/03/13	SCALE: 1:1	PROJECTION	REV.:	X1
APPROVED	DATE	罗孝金	2020/03/13	DWG	PATH	C00-0000-0064	PATH 3/3

包裝明細表 (The detail of the packing)				Carton			
產品料號 (Product No.)	包裝容量 (Packing Capacity)		重量 (Weight (Kg))				
	pcs/box	boxes/Carton	Pcs/Box	N.W./Pcs	N.W./Box	G.W./Box	
UCR04-0161X-00XR	600	7	4200	---	---	---	



深圳市首韩科技有限公司

SHENZHEN SHOUHAN TECHNOLOGY CO., LTD

Tel: 0755-27597601 Fax: 0755-27597491

承 认 书

SPECIFICATION FOR APPROVAL

产 品 编 码
material code:

产品名称 Project:

TYPE-C

规格型号 Part No:

TYPE-C 16PIN DG4.3

贵公司承认印 Approval signatures

料 号/Part No.	签 章/Signatures

日期 Date:

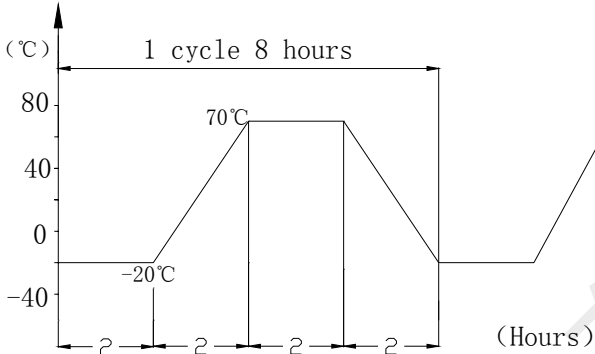
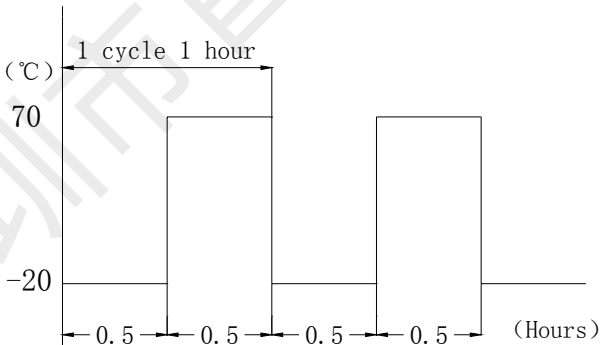
拟制/Drawn	李春风	
审核/Check	钟华华	
批准/Approved	罗孝金	



RATING（额定值）		20V5A	
PRACTICAL TEMPERATURE RANGE 使用温度范围		-30~80° C 在-30° C~+80° C 温度内使用	
STANDARD ATMOSPHEIC CONDITIONS 测试标准状况		UNLESS OTHERWISE SPECIFIED THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) BETWEEN BODY AND CONDUCTOR: 5° C TO 35° C (2) BETWEEN CONDUCTORS NOT TO BE CONTACT: 45% TO 85% (3) PRESSURE: 86Kpa TO 106Kpa 在没有指定的情况下测试温度、湿度、气压如下： (1) 温度为 5℃~35℃ (2) 湿度为 45%~85% (3) 气压为 86 Kpa~106Kpa	
MECHANICAL（机械性能）			
ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
1	CONNECTION FORCE 插入力度	MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES。 依据标准的 PLUG GAUGE 做第 3 次拔插后测定	0.5-2.0Kgf
	DISCONNECTI ON FORCE 拔出力度	MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES。 依据标准的 PLUG GAUGE 做第 3 次拔插后测定	0.8-2.0Kgf
2	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF 0.1N/m(1kgf/cm)SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 1 MIN IN ANY DIRECTION 向排脚先端的任意一个方向加 1 分钟 0.1N/m(1kgf/cm)的力度.	THERE SHALL BE NO DAMAGE TO THE TERMINAL SUCH AS CRACKS, LOOSENESS OR PLAY ELECTRICAL ,AND MECHANICAL CHARACTERISTICS SHALL BE SATISFIED 在排脚中没有裂开、松动等异常，满足于机械、电气性能
ELECTRICAL（电气性能）			
ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
3.1	CONTACT RESISTANCE 接触电阻	MEASURED AT SMALL CURRENT （100m A OR LESS） 1000Hz 在微小电流（100 m A）以下测试	40mΩ MAX
3.2	INSULATION RESISTANCE 绝缘电阻	APPLY A VOLTAGE OF 100V DC FOR 1 MIN TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE: (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC100V 1 MIN 输入 100V DC 电压 1 分钟，按以下接触方法测试： (1) 插座体与排脚之间 (2) 不接触的排脚之间 (3) 插头插入时不接触排脚之间	100MΩ MIN

3.3	DIELECTRIC STRENGTH 耐电压	AC 100V 50~60Hz)FOR 1 MIN TRIP CURRENT:0.5mA (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 100V 1 MIN 输入 AC 100V (50Hz) /min 电压 1 分钟感度电流为 0.5mA, 按以下接触方法测试: (1) 插座体与排脚之间 (2) 不接触的排脚之间 (3) 插头插入时不接触排脚之间	WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC 没有绝缘破坏等异常
URABILITY (耐久性)			
	ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 规格
4.1	SOLDERABILITY TEST 可焊性试验	THE TOP OF THE TERMINALS SHALL BE DIPPED 1mm IN THE SOLDER BATH OF $250 \pm 5^{\circ}\text{C}$ FOR 5 ± 0.5 SECONDS 端子顶部被浸入锡池中 1mm 深,温度为 $250 \pm 5^{\circ}\text{C}$,时间为 5 ± 0.5 秒	(1) SOLDER WETTING TIME SHALL BE 3 SEC OR LESS 焊接时间应少于 3 秒 (2) THE AREA OF SOLDERING SHOULD BE OVER 75% 焊接面积应有 75%以上
4.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	REFLOW SOLDERING CONDITIONS: PREHEAT:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH $180 \pm 120^{\circ}\text{S}$ AFTER THE P.C.B ENTERED INTO THE SOLDERING EQUIPMENT. TALLEST TEMPERATURE:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH THE PEAK TEMPERATURE OF 260 ± 5 WITH IN 20 SECONDS. 过回流焊条件: 预热:电镀层表面的温度应达到 180°C,120s 后电路板进入回流焊设备。 最高温度:电镀层表面温度最高为 $260 \pm 5^{\circ}\text{C}$ 且停留不超过 20 秒。 Temperature Profile	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 本体无变形, 满足于机械、电气性能

4. 2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	SOLDERING IRON METHOD: BIT TEMPERATURE $330 \pm 5^{\circ}\text{C}$ APPLICATION TIME OF SOLDERING IRON $3 \pm 0.5 \text{ SEC}$ HOWEVER EXCESSIVE PRESSURE SHALL NOT BE APPLIED TO THE TERMINAL 手焊接的时候温度需控制在 $330 \pm 5^{\circ}\text{C}$, 时间为 3 ± 0.5 秒, 但不能在排脚上施加异常压力。	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 本体无变形, 满足于机械、电气性能
4. 3	HUMIDITY TEST 潮湿试验	THE JACK SHALL BE STORED AT A TEMPERATURE OF $40 \pm 2^{\circ}\text{C}$ AND A HUMIDITY OF 90%TO 96% FOR 96 Hr, THEN THE JACK SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 Hr FOR OTHER PROCEDURES 放置 $40 \pm 2^{\circ}\text{C}$ 的相应湿度为 90~96% Hr 环境中 96 小时后, 再将样板放在正常环境中 1 小时后进行测试	THERE SHALL BE NO DAMAGE ON APPEARANCE. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外观无异常, 满足于机械、电气性能。
4.4	HEAT TEST 耐热试验	THE JACK SHALL BE STORED AT A TEMPERATURE OF $70 \pm 2^{\circ}\text{C}$ FOR 96 HOURS, AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY MBASURBM 放置在温度 $70 \pm 2^{\circ}\text{C}$ 中测试 96 小时后, 再放置正常室温中 1 小时来测定	
4. 5	COLD TEST 耐寒试验	THE JACK SHALL BE STORED AT A TEMPERATURE OF $-25 \pm 3^{\circ}\text{C}$ FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH 放置在温度 $-25 \pm 3^{\circ}\text{C}$ 中 96 小时后, 再放置常温常湿中 1 小时来测定	THERE SHALL BE NO DAMAGE ON APPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外观无异常, 满足于机械、电气性能
4. 6	LIFE TEST 寿命试验	WITHOUT LOAD CONNECTION AND DISCONNECTION SHALL BE MADE WITH THE MATING PLUGS AND JACKS FOR 10000 CYCLES AT A SPEED OF 10 TO 25 CYCLES/MIN 无负荷 将结合了的标准Plug(尽量要近于中心的)在1分钟内以10-25的速度, 进行10000次插入, 拔出 LOAD: AT RATING CONDITION (NON-INDUCTIVE LOAD) CONNECTION AND DISCONNECTION SHALL BE MADE 10000 CYCLES AT A SPEED 10 TO 20 CYCLES / MIN 负荷 以定格状态(无诱导负荷)在1 分钟内以10-20次的速度进行 10000次插入、拔出	(1) CONTACT RESISTANCE SHALL BE $\leq 0.1 \Omega$ (2) DISCONNECTION FORCE SHALL BE 0.8 TO 2.0N (3) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED (1) 接触电阻 $\leq 0.1 \Omega$ (2) 拔出力是 0.8~2.0N (3) 其它:满足于机械、电气性能

4.7	TEMPERATURE CYCLING TEST 温度循环测试	THE JACK SHALL BE SUB JECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWED IN THE FIGURE,AND THEN SHALL RETURNED ALLOWED TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES 将插座以下列条件作 5 个循环，然后放回室内环境 30 分钟 Temp(°C)  (Hours)	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. INSERTION & EXTRACTION FORCE:3 TO 20N CONTACT RESISTANCE:MAX.30MΩ INSULATION RESISTANCE: MIN.100 MΩ DIELECTRIC WITHSTANDING VOLTAGE: 100VAC/MIN(BETWEEN TERMINALS) 产品不能变形与破裂 插拔力: 3N 至 20N 接触电阻: 最大 30mΩ 绝缘电阻: 最小 100 MΩ 绝缘耐压: 最小 100VAC (端子之间)
4.8	COLD&HEAT SHOCK TEST 冷热冲击测试	THE JACK SHALL BE SUBJECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWED IN THE FIGURE,AND THEN SHALL RETURNED AND ALLOWED TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES 将插座以下列条件作 5 个循环，然后放回室内环境 30 分钟 TEMP (°C)  (Hours)	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. INSERTION & EXTRACTION FORCE:3 TO 25N CONTACT RESISTANCE:MAX.30MΩ INSULATION RESISTANCE: MIN.100 MΩ DIELECTRIC WITHSTANDING VOLTAGE: 500VAC/MIN(BETWEEN TERMINALS) 产品不能变形与破裂 插拔力: 3N 至 25N 接触电阻: 最大 30mΩ 绝缘电阻: 最小 100 MΩ 绝缘耐压: 最小 500VAC (端子之间)