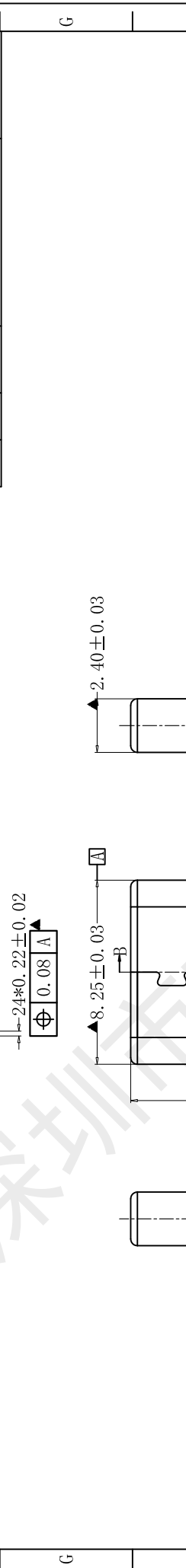


VER	MARK	PR. BY	ECR/ECN	DESCRIPTION	DATE
A				NEW RELEASE	07/12' 17
B	△			新增料号	05/04' 19
C	△			扣合结构调整	07/20' 19

NO.	PN.	DESCRIPTION
1	1024-MAW040	塑胶白色, 外壳喷砂镍, 端子C7025镀1u" Au
2	1024-MAW041	塑胶白色, 外壳珍珠镍, 端子C7025镀1u" Au
3	1024-MAW042	塑胶白色, 外壳亮镍, 端子C7025镀1u" Au
4	1024-MAW043	塑胶白色, 外壳镀金, 端子C7025镀1u" Au
5	1024-MAB084	塑胶黑色, 外壳喷砂镍, 端子C7025镀1u" Au
6	1024-MAB033	塑胶黑色, 外壳珍珠镍, 端子C7025镀1u" Au
7	1024-MAB024	塑胶黑色, 外壳亮镍, 端子C7025镀1u" Au
8	1024-MAB023	塑胶黑色, 外壳镀金, 端子C7025镀1u" Au
9	1024-MAW056	塑胶白色, 外壳喷砂镍, 端子C5191镀1u" Au
10	1024-MAB022	塑胶白色, 外壳珍珠镍, 端子C5191镀1u" Au
11	1024-MAW004	塑胶白色, 外壳亮镍, 端子C5191镀1u" Au
12	1024-MAW057	塑胶白色, 外壳镀金, 端子C5191镀1u" Au
13	1024-MAB097	塑胶黑色, 外壳喷砂镍, 端子C5191镀1u" Au
14	1024-MAB032	塑胶黑色, 外壳珍珠镍, 端子C5191镀1u" Au
15	1024-MAB001	塑胶黑色, 外壳亮镍, 端子C5191镀1u" Au
16	1024-MAB098	塑胶黑色, 外壳镀金, 端子C5191镀1u" Au



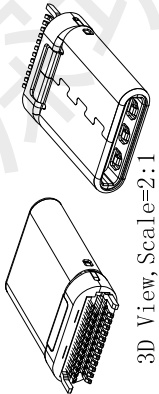
TITLE:		TYPE-C 24P-GTJB 040
PART NO.:		See the List
DWG NO.:		1024-MAXXXX
SHEET		1/3

GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY:
SIZE	UNITS	罗孝金
A4	MM[INCH]	CHECKED BY:
SCALE	REV.	钟华华
1:1	1	DESIGN BY:
.XX±0.25	.XX±2.5°	李春风
.XXX±0.15	.XXX±2.0°	

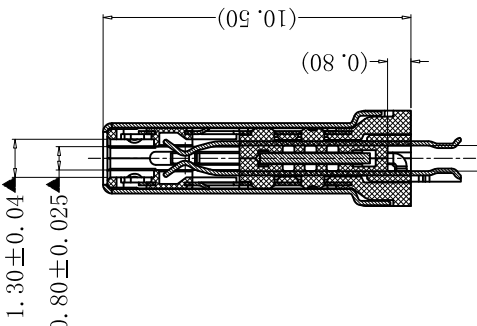
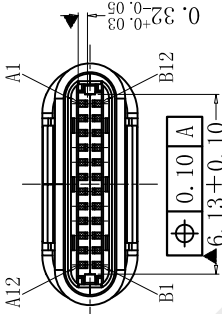
SPECIFICATION:

- Material & Finish: See the list;
- Mechanical:
 - Mating force: 5-20Nf;
 - Unmating force: Initial: 8-20Nf; Final: 6-20Nf;
 - Durability: 10000 Cycles;
 - Shell withdrawal force: 50Nf Min.;
- Electrical:
 - Current Rating: 5A Max. for VBus contact;
 - Voltage Rating: 20V Max.;
 - Dielectric Withstanding voltage: 100Vac;
 - Contact resistance: 40m Ohms Max.;
 - Insulation Resistance: 100M Ohms Min.;
- Environmental:
 - Operating temperature: -40° C ~ +85° C;
 - Salt Spray Test: 24H (No oxidation or rust);
 - Wetting Temperature: 265±5° C, 5±0.5s

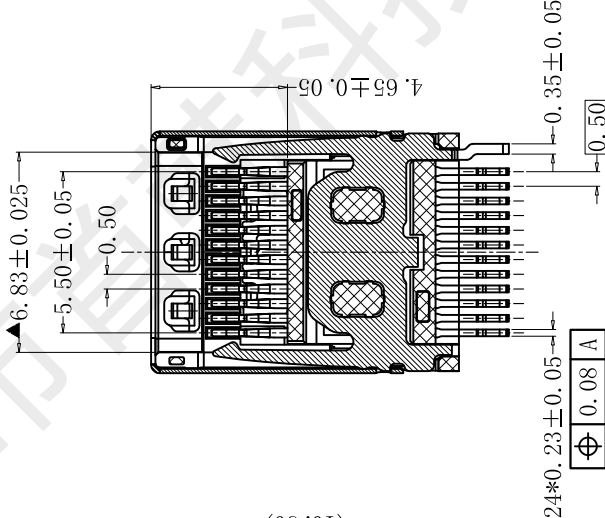
RoHS



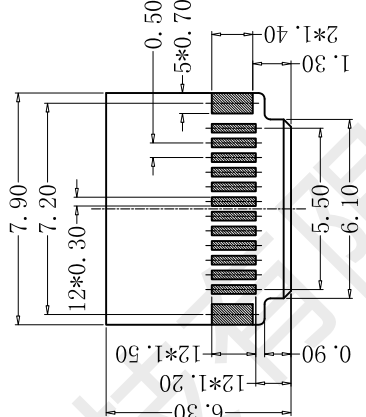
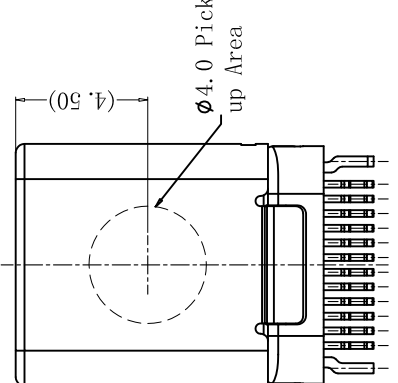
3D View, Scale=2:1



Section B-B



Section A-A



Cable Side PCB Layout

(Tol: ±0.05, T=0.80±0.05mm)

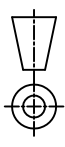
PIN DEFINE TABLE	
PIN	SIGNAL
A1	GND
A2	TX1+
A3	TX1-
A4	VBUS
A5	CC
A6	D+
A7	D-
A8	SBU1
A9	VBUS
A10	RX2-
A11	RX2+
A12	GND
B1	GND
B2	TX2+
B3	TX2-
B4	VBUS
B5	VCONN
B6	
B7	
B8	SBU2
B9	VBUS
B10	RX1-
B11	RX1+
B12	GND

VER	MARK	PR. BY	ECR/ECN DESCRIPTION	DATE
A			NEW RELEASE	07/12' 17
B	△		新增料号	05/04' 19
C	△		扣合结构调整	07/20' 19

NO.	PART NAME	Q'TY	MATERIAL	FINISH	CUSTOMER			GENERAL TOLERANCES UNLESS SPECIFIED			APPROVED BY:		TITLE:	
					SIZE	UNITS	MM[INCH]	SCALE	REV.	SCALE	REV.	SCALE	REV.	SCALE
5	Ground Bar	2	SUS201, T=0.10mm	NA	X±0.50	X'±5.0'				罗孝金	TYPE-C 24P-GTJB 040			
4	Shell	1	SUS201-1/2H, T=0.15mm	50u"Ni Min.	X±0.35	X'±3.0'	A4	1		钟华华	See the List			
3	Latch	1	SUS301, T=0.35mm	50u"Ni/80u"Sn	.XX±0.25	.XX'±2.5'				李春风				
2	Contact	24	C7025-TM04/C5191-H, T=0.15mm	Au/50u"Ni Min.	.XXX±0.15	.XXX'±2.0'								
1	Housing	2	LCP	UL 94 V-0										

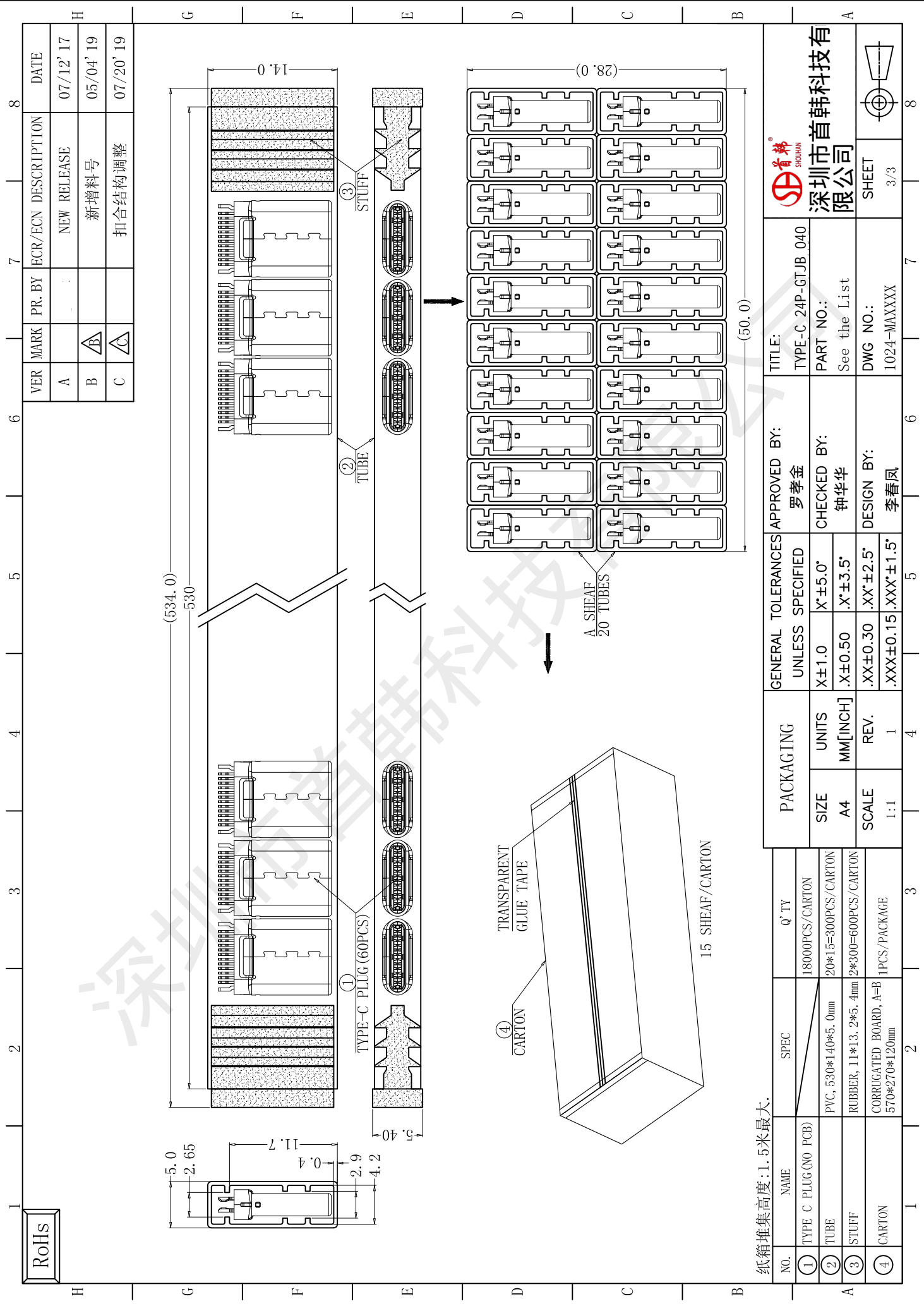


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SHEET 2/3

RoHS



纸箱堆集高度: 1.5米最大.

NO.	NAME	SPEC	Q' TY	PACKAGING		GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY:	TITLE:
1	TYPE C PLUG(NO PCB)		18000PCS/CARTON	SIZE	UNITS	X±1.0	X'±5.0'	罗孝金	TYPE-C-24P-GTJB_040
2	TUBE	PVC, 530*140*5.0mm	20*15=300PCS/CARTON	A4	MM[INCH]	.X±0.50	.X'±3.5'	钟华华	PART NO.:
3	STUFF	RUBBER, 11*13.2*5.4mm	2*300=600PCS/CARTON	SCALE	REV.	.XX±0.30	.XX'±2.5'	李春风	See the List
4	CARTON	CORRUGATED BOARD, A=B 570*270*120mm	1PCS/PACKAGE	1:1	1	.XXX±0.15	.XXX'±1.5'		DWG NO.:
									1024-MAXXXX
								SHEET	3/3
								SHEETS	


**深圳市首韩科技有
限公司**



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

客 户 Customer:

产品名称 Project:

TYPE-C

规格型号 Part No:

TYPE-C 24P-GTJB 040

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	

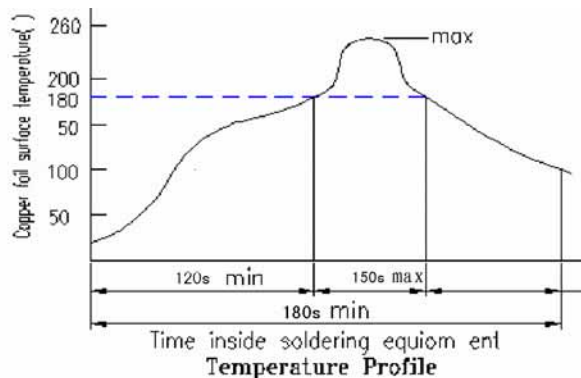


RATING (额定值):		DC 20V	5 A
PRACTICAL TEMPERATURE RANGE 使用温度范围		-40~85° C 在-40° C~+85° C 温度内使用	
STANDARD ATMOSPHEIC CONDITIONS 测试标准状况		UNLESS OTHERWISE SPECIFIED THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) BETWEEN BODY AND CONDUCTOR: 5° C TO 35° C (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° C~35° C (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	5~20N
	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	8~20N
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	40m Ω 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	100M Ω MIN

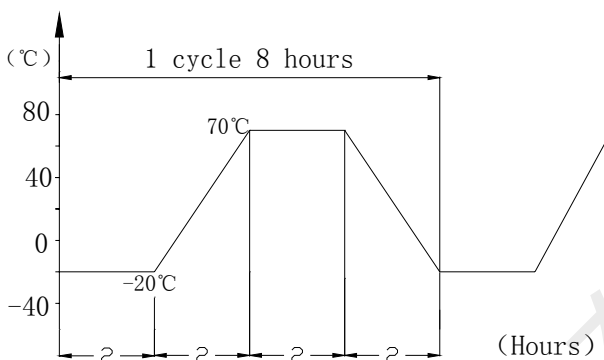
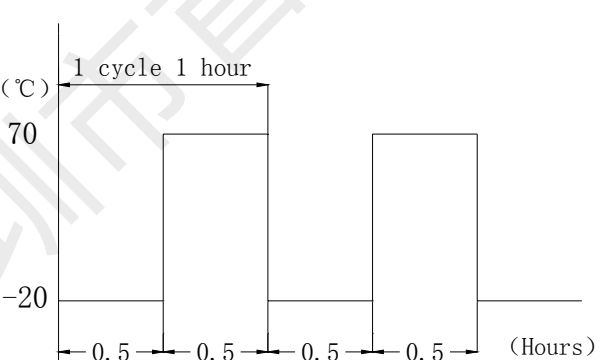
3.3	DIELECTRIC STRENGTH 耐电压	AC 100V 5ms(50~60Hz)FOR 1 MIN TRIP CURRENT:0.5mA (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 100V 1 MIN 输入 AC 100V (50Hz) /min 电压 1 分钟感度电流为 0.5mA, 按以下接触方法测试: (1) 插座体与排脚之间 (2) 不接触的排脚之间 (3) 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
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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±5°C FOR 5±0.5 SECONDS 端子顶部被浸入锡池中 1mm 深,温度为 250±5°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 .120S 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±5°C且停留不超过 20 秒。	WITHOUT DEFOR MATION 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. 2	<p>RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验</p>	<p>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。</p>	<p>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</p>
4. 3	<p>HUMIDITY TEST 潮湿试验</p>	<p>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</p>	<p>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。</p>
4.4	<p>HEAT TEST 耐热试验</p>	<p>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</p>	
4. 5	<p>COLD TEST 耐寒试验</p>	<p>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</p>	<p>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</p>
4. 6	<p>LIFE TEST 寿命试验</p>	<p>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</p>	<p>(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</p>

<p>4.7</p>	<p>TEMPERATURE CYCLING TEST 温度循环测试</p>	<p>THE JACK SHALL BE SUB JECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWN 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</p> <p>Temp(°C)</p>  <p>(Hours)</p>	<p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. INSERTION & EXTRACTION FORCE:3 TO 20N CONTACT RESISTANCE:MAX.30M Ω INSULATION RESISTANCE: MIN.100 M Ω DIELECTRIC WITHSTANDING VOLTAGE: 100VAC/MIN(BETWEEN TERMINALS)</p> <p>产品不能变形与破裂 插拔力: 3N 至 20N 接触电阻: 最大 30m Ω 绝缘电阻: 最小 100 M Ω 绝缘耐压: 最小 100VAC (端子之间)</p>
<p>4.8</p>	<p>COLD&HEAT SHOCK TEST 冷热冲击测试</p>	<p>THE JACK SHALL BE SUBJECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWN 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</p> <p>TEMP (°C)</p>  <p>(Hours)</p>	<p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. INSERTION & EXTRACTION FORCE:3 TO 25N CONTACT RESISTANCE:MAX.30M Ω INSULATION RESISTANCE: MIN.100 M Ω DIELECTRIC WITHSTANDING VOLTAGE: 500VAC/MIN(BETWEEN TERMINALS)</p> <p>产品不能变形与破裂 插拔力: 3N 至 25N 接触电阻: 最大 30m Ω 绝缘电阻: 最小 100 M Ω 绝缘耐压: 最小 500VAC (端子之间)</p>

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[GSB3C3133DSYHR](#) [GT-USB-2014-CWG1](#) [GT-USB-7010ANS](#)