

承 認 書

Specification for approval

客戶名稱：
Customer 立创电子

產品名稱：
Description: DB-9P 母 传统焊线式 兰胶

客戶料號：
Customer part no: C138804

燦科盟產品編號：
CKM P/N: DB0009PF000XH00

承認書編號：
Approval sheet NO.: SA150431719

承認日期：
Approval date: 2017-11-17

客戶確認 CUSTOMER APPROVED	核 准 APPROVED	審 核 ENGINEER	經 辦 CHECK 刘力 2017/11/17
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敬請蓋印承認規格之後，將一份交回給本公司，謝謝！
Please return 1sets of this form to confirm your approval of the product specification thank you!

深圳市燦科盟實業有限公司

工廠地址：深圳市光明樓村鲤鱼水工業區鑫博盛科技園 B 棟四樓

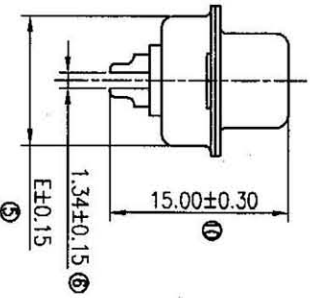
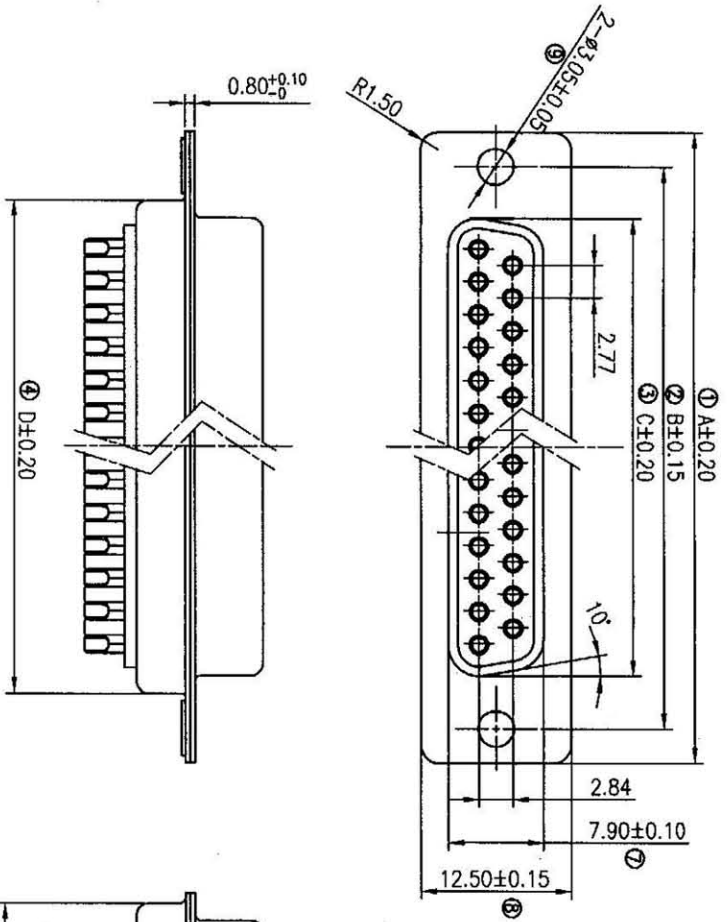
聯繫電話：0755-81488157 28154692 13316859588

傳 真：0755-83425987

Http://www.Ckmtw.com.cn

E-mail:2000@ckmtw.com.cn

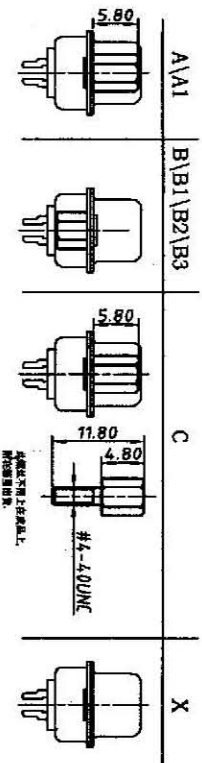
業務負責人：_____



DIM	PIN	9Pin	15Pin	25Pin	37Pin
A		30.80	39.20	53.05	69.40
B		25.00	33.30	47.05	63.50
C		16.92	25.25	38.95	55.40
D		19.20	27.70	41.10	57.30
E		10.80	10.70	10.70	10.70

- Material:**
1. Insulator: PBT+30%Glass Fiber (UL94V-0)
 2. Contact: Brass C2680 H65
 3. Contact Plated: gold plated over Nickel
 4. Shell: SPCC-SD
 5. Shell Plated: Cu60u"/Ni100-120u" and Cu60u"/Sn100-120u"
- SPECIFICATION:**
1. Contact Current Rating: 3 AMPS
 2. Insulation Resistance: 1000M Ohm MIN AT 500V DC
 3. Dielectric Withstanding Volt: AC 500V (R.M.S)/1 minute
 4. Operation Temperature: -55° C ~ +105° C

铆钉型式说明



TOLERANCE TABLE

.0	±0.20
.00	±0.10
.000	±0.05

APPROVED:

DATE:

CHECKED:

DATE:

DRAWN:

DATE:

LYF

2009-07-17

TITLE:

DB-XP 母头 焊线式

深圳市灿科盟实业有限公司
CKMTW CHANKLEMENT INDUSTRY CO., LTD

P/N

UNIT mm SCALE free

FILE NO. CKMTW-DB-0001



REV. A SH00

深圳市灿科盟实业有限公司

DB SERIES

内容：此规格书包含 DB 接插件系列。

Scope: This specification covers the DB spacing Connector series.

Index:	Page
1. 产品名称及料号/Product name and part number	2
2. 额定电压电流/Ratings	2
3. 特性测试/Performance	
3-1.电气特性/Electrical performance	2
3-1-1.接触阻抗/Contact resistance	2
3-1-2.绝缘阻抗/Insulation resistance	2
3-1-3.高压测试/Dielectric strength	2
3-2.机械特性/Mechanical performance	
3-2-1.整组插拔测试/Insertion force and withdrawal force	2
3-2-2.插入力/Insertion force	2
3-2-3.拔入力/withdrawal force	2
3-3.环境特性测试/Environmental performance and others	
3-3-1.整组插拔测试后接触阻抗/Repeated insertion/withdrawal	3
3-3-2.温升测试/Temperature rise	3
3-3-3.震动测试/Vibration	3
3-3-4.冲击测试/Shock	3
3-3-5.耐热测试/Heat resistance	3
3-3-6.低温测试/Cold resistance	3
3-3-7.恒温恒湿/Humidity	3
3-3-8.温度冲击测试/Temperature cycling	3
3-3-9.盐水喷雾测试/Salt spray	3
3-3-10.沾锡性测试/Solderability	4
3-3-11.焊热性测试/Resistance to soldering heat	4
3-3-12.寿命测试/Life Test	4
4. 产品规格尺寸及材质/Product shape, dimensions and materials	4

Note::以上测试视公司之测试条件/能力而定。

FILE NO	ENS014	APPROVAL	CHECK	DRAWING
ECR/N NO	New spec			

1. 产品名称及料号/Product name and part number

Product Name	Part Number
Name 名称	DMS-XP MALE DMS-XP FEMAEL

2. 额定电压电流及使用线径/Ratings and applicable wires

ITEM	STANDARD
Rated Voltage(Max) 额定电压 (最高)	250V DC/AC(rms)
Rated Current(Max) 额定电流 (最高)	3A
Ambient Temperature 使用温度范围	-50°C-+105°C

3. 特性测试/Performance

3-1. 电气特性/Electrical performance

ITEM	Test condition	Requirement
3-1-1 Contact Resistance 接触阻抗	Mate connectors, reassure by dry circuit ,20mV MAX,10mv.(Based upon JIS C5402 5.4) 将公母对插, 二头接上微电流电压测试。	0.02 欧 (MAX)
3-1-2 Insulation resistance 绝缘阻抗	Mate connectors, apply 500V DC between adjacent terminal or ground. (Based upon JIS C5402 5.2/MIL-STD-202 method 302 condition B) 将公母对插, 二头接上电压测试	1000 兆欧 (MIN)
3-1-3 Dielectric strength 高压测试	Mate connectors, apply 500V AC for 1 minute between adjacent terminal or ground. (Based upon JIS C5402 5.1/MIL-ST-202 Method 301) 将公母对插, 相邻的二支端子接上高压测试	No breakdown and flashover 没有损坏/没有电弧产生

3-2. 机械特性/Mechanical performance

ITEM	Test condition	Requirement
3-2-1 Insertion force and withdrawal force 整组插拔测试	Insert and withdraw connectors at the speed rate of 25±3mm/minute 公母对插插拔 30 次, 机器行走速度 25±3mm/分钟。	1.5 KgN (MIN)
3-2-1 Insertion force 插入力	Insert the crimped terminal into the connectors 将公头插入母座内, 测试插入值	2.5Kg (MAX)
3-2-4 withdrawal force 拔入力	Apply axial pull out force at the speed rate of 25±3mm/minute on the terminal assembled In the housing. 将公头从母座中拔出, 测试拔出值	1.0Kg (MIN)

3-3.环境特性测试/Environmental performance and others

ITEM		Test condition	Requirement	
3-3-1	Repeated insertion/ withdrawal	When mated up to 30 cycles repeatedly by the rate of 10 cycles per minute 三十次插拔后，测量接触阻抗	Contact Resistance 接触阻抗	40mΩ MAX
3-3-2.	Temperature Rise 温升	Carrying rated current load(Based upon UL1977) 针对额定电流以作测试		30℃ MAX
3-3-3	Vibration 震动测试	Amplitude:1.52mm P.P –调幅 Sweep time:10-55-10Hz in 1 minute 频率 Duration:2 hours in each X.Y.Z axlals 震动时间 (based upon MIL-STD-202 method 201)	Appearance	No Damage
			Contact Resistance	40mΩ MAX
			Discontinuity 不连续性	1u sec MAX
3-3-4	Shock 冲击测试	50g 3strokes in each X.Y.Z. axlals. (based upon JIS C0041) 50g 力量，XYZ 轴分别三次冲击。	Appearance	No Damage
			Contact Resistance	40mΩ MAX
			Discontinuity 不连续性	1u sec MAX
3-3-5	Heat Resistance 耐热测试	105±3℃, 96hours (based upon JIS C5402 7.8) 时间 96 小时，温度 85±3℃	Appearance	No Damage
			Contact Resistance	40mΩ MAX
3-3-6	Cold Resistance 低温测试	-50±3℃, 96hours (based upon JIS C5402 7.9) 时间 96 小时，温度 -20±3℃	Appearance	No Damage
			Contact Resistance	40mΩ MAX
3-3-7	Humidity 恒温恒湿测试	Temperature:40±2℃, Relative humidity:90~95%(RH) (Based upon MIL-STD-202 Method 103B conditions.B) 温度 40±2℃，湿度 90~95%，时间 96 小时。	Appearance	No Damage
			Contact Resistance	40mΩ MAX
			Dielectric strength	没有损坏/没有电弧产生
3-3-8	Temperature cycling 温度冲击测试	5 cycles: 1>.-50℃ 30 minutes. 2>.+105℃ 30 minutes. 3>.+25℃ 30 minutes. 4>.+65℃ 30 minutes	Appearance	No Damage
			Contact Resistance	40mΩ MAX
3-3-9	Salt spray 盐水测试	12 hours exposure to a salt spray from the 5±1% solution at 35±2℃. (Based upon JIS C5402/MIL-STD-202method 101D conditions. B) 时间 12 小时，盐水体比例 5±1%，温度 35±2℃。	Appearance	No Damage
			Contact Resistance	40mΩ MAX

3-3-10	Solderability 沾锡性 测试	Soldering time: 3 ± 0.5 sec, solder temperature: $230 \pm 5^{\circ}\text{C}$ 时间: 3 ± 0.5 秒, 温度: $230 \pm 5^{\circ}\text{C}$	95%以上沾锡面积
3-3-11	Resistance to soldering heat 焊热性 测试	Soldering time: 5 ± 1 sec, solder temperature: $260 \pm 5^{\circ}\text{C}$ 时间: 5 ± 1 秒, 温度: $230 \pm 5^{\circ}\text{C}$	No Damage 外观没有影响
3-3-12	Life Test 寿命测试	5000 cycles 5000 次	No Damage 外观,功能没有影响

4. 产品规格尺寸及材质/Product shape, dimensions and materials

(见附件图纸)