

凱譽科技股份有限公司

KAI YUI TECHNOLOGIC CORP.

SPECIFICATIONS 規格書

A) SCOPE 適用範圍 (使用系列產品料號：)

This specification covers " 6.4Ø PHONE JACK " 6.4 Ø 插座

B) CHARACTERISTICS 性能

Standard atmospheric specified, measurements shall be made at temperature , humidity and air pressure within the following limit :

Ambient temperature	:	5 °C	to	35 °C
Relative humidity	:	45 %	to	85 %
Air pressure	:	85 Kpa	to	106 Kpa

標準狀態：沒有特別指定時,測試是在常溫、常濕、常壓下進行：

環境溫度	:	5 °C	to	35 °C
相對濕度	:	45 %	to	85 %
大氣壓力	:	85 Kpa	to	106 Kpa
Operating temperature range	:	-20 °C	to	60 °C
操作溫度範圍				
Storage temperature range	:	-25 °C	to	70 °C
保存溫度範圍				

C) ELECTRICAL CHARACTERISTICS 電氣性能 .

ITEM 項目	TEST CONDITIONS 測試條件	SPECIFICATION 規格
(C1)Rated Voltage 核定電壓 Rated Current 核定電流		DC 12V 20mA~0.3A
(C2)Insulation Resistance 絕緣阻抗	A voltage of 500V DC shall be applied to the terminals. After which measurement shall be made. DC 500V 在端子之間用 DC 500V 測試	100M Ω or more ≥ 100M Ω

凱譽科技股份有限公司

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ITEM 項目	TEST CONDITIONS 測試條件	SPECIFICATION 規格
(C3)Contact Resistance 接觸阻抗	Measurement shall be made at 1 K Hz with 100 mA or less (With the test plug as show in item G) <1>Initial before any testing a、Pin to contact or (R-RS,T-TS,S-SS) (N.C.). b、Plug shield to socket or (T,R,S,) (N.O.). <2>After life test with mating plug a、Pin to contact or (R-RS,T-TS,S-SS) (N.C.). b、Plug shield to socket or (T,R,S,) (N.O.). 在 1 K Hz, 100 mA 以下電流做測定(測試用插棒參考第 G 項) <1>初始，在做任何測試前 a、端子與分路,(R-RS,T-TS,S-SS) (常閉) b、插棒各極與插座(T,R,S,)間(常開) <2>在以對應插棒做壽命試驗後 a、端子與分路,(R-RS,T-TS,S-SS) (常閉) b、插棒各極與插座(T,R,S,)間,(常開)	Initial : a、30mΩ or Less ≤ 30mΩ b、50mΩ or Less ≤ 50mΩ After life : a、60mΩ or Less ≤ 60mΩ b、100mΩ or Less ≤ 100mΩ
(C4)Dielectric Strength 耐電壓	Withstand 0.5 mA (Trip current) 500V AC(50 or 60 Hz) between any open terminal for 1 minute. 可承受 0.5 mA (感度電流), AC 500V (50or 60 Hz) . 1 分鐘，在任何 open 端子之間. (Open terminal: Between each terminal which should not make contact , before plug insert to socket R-T,R-S, after plug insert	Without distinct Damage 無異常

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	to socket R-RS, T-TS,) (Open 端子：指相互未接觸的端子， 如未插入 plug 時之 R-T, R-S, 插入 plug 後之 R-RS, T-TS,)	
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D) . MECHANICAL CHARACTERISTICS 機械性能

ITEM 項目	TEST CONDITIONS 測試條件	SPECIFICATION 規格
(D1) Insertion force and Withdrawal force 插入力 / 拔出力	Initial 初始 (With the test plug as show in item G) (測試用插棒規格參考第 G 項)	Insertion force 插 入 力 0.3kgf ~ 3kgf
		Withdrawal force 拔 出 力 0.3kgf ~ 3kgf
	After life test 壽命試驗後 (With the test plug as show in item G) (測試用插棒規格參考第 G 項)	Insertion force 插 入 力 0.3kgf ~ 3kgf
		Withdrawal force 拔 出 力 0.3kgf ~ 3kgf
(D2) Terminal strength 端子強度	Terminals must withstand a 500g minimum pull for 10 seconds before movement or break from housing occurs , but deformation of terminal is authorized . 各端子部須測試荷重 500g , 10 秒 , 端子不可有脫落或塑 膠本體不可有破裂等情況 , 但端子部彎曲 , 變形可接 受 .	

E) . ENDURANCE CHARACTERISTICS 耐久性能

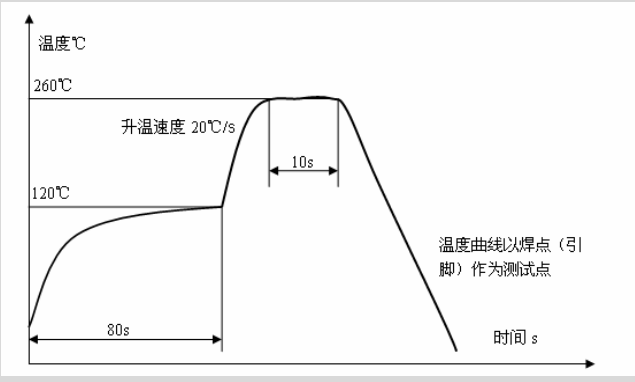
ITEM 項目	TEST CONDITIONS 測試條件
(E1) Life test 壽命試驗	The life test shall consist of 10,000 cycles of insertion and withdrawal with test plug(Show in item G), at a rate of 20 to 30 cycles per minute under no load . 壽命試驗在無負荷狀態下 20 ~ 30 回 / 1 分鐘的插入及拔出, 做 10,000 回, 測試用插棒(參考第 G 項) .

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(E2)Soldering test 焊錫試驗	The terminal of JACK tested shall be dipped into soldering flux or equivalent for 5 ~ 10 seconds and then immersed into molten solder Sn at $260 \pm 5^{\circ}\text{C}$ for 3 ± 0.5 seconds, the coverage should more than 95%. 插座端子部，浸助焊劑 5 ~ 10 秒，再浸 Sn 溶液—溫度 $260 \pm 5^{\circ}\text{C}$ 。時間 3 ± 0.5 秒，端子部上錫覆蓋面積須達 95% 以上。
(E3)Soldering heat 上錫耐熱性	The terminal for a printed circuit board . Temperature of solder : $260 \pm 5^{\circ}\text{C}$ Dip time : 5 ± 1 seconds . 端子部與銅箔面上錫溫度與時間。 溫度： $260 \pm 5^{\circ}\text{C}$ 時間： 5 ± 1 秒。
(E4) Hand Soldering Temperature 手焊溫度	Temperature of solder : $350 \pm 10^{\circ}\text{C}$ Dip time : 3 ± 0.5 seconds . 溫度： $350 \pm 10^{\circ}\text{C}$ 時間： 3 ± 0.5 秒。

F) . DIP 溫度曲線圖

ITEM 項目	TEST CONDITIONS 測試條件
The temperature peak without lead. 無鉛波峰焊制程溫度	 Pre-heating temperature is $25 \sim 120^{\circ}\text{C}$, for a duration about 80 seconds. 預熱溫度 $25 \sim 120^{\circ}\text{C}$，時間 80sec The peak temperature is 260°C, the duration for 10 seconds. 錫爐峰值溫度為 260°C，持續時間為 10sec.

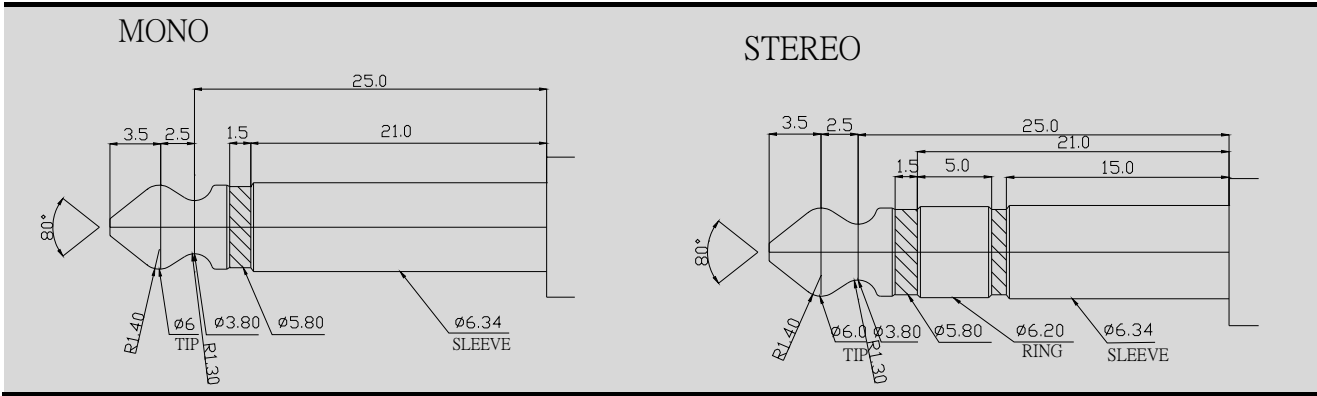
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G) .

MATED PLUG

適用插棒



制定日期	A P V D	Jacky	C H K D	Dragon	M A K E	Roy
2011. 10. 13						