



世創電子科技股份有限公司

CerpPASS Technology (Xindian) Co., Ltd.

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公司背景

世創電子科技股份有限公司為世騰認證集團(CerpPASS Group)的全資子公司，並於2020年3月併購創安科技顧問股份有限公司及泓澤科技股份有限公司，同時承接其位於新店中興路的認可實驗室。除了擴大集團檢測服務內容的深度與廣度，更著眼於5G+IoT等新技术對於複合型電子產品多元化運用的產業變化，期待能夠佈建更完整更貼近科技發展需求的檢測能量以提供客戶最優質的服務。

世創的營業項目除了原本創安10餘年來所專注的插頭、插座、線材、連接器等產品領域的安規檢測服務，並同步開展資訊類及影音類產品的安規檢測服務，同時整合世騰認證集團在兩岸三地所具備的電磁兼容(EMC)、無線射頻檢測(RF)及國際轉證服務(IA)，能夠完整提供電子相關廠商一站式購足的檢測認證服務。能協助客戶在樣品數量、對應窗口、認證時程、總體技術支持及認證費用上達到效率及效益的最大化，幫助客戶產品能以最低的費用最短的時間取得進入各地市場的認證門票。

世創電子實驗室負責人林正琨，有著近30年的零件類專業檢測認證經驗，對於產品的前期結構評估、測試要求、整改方案等均能提供業界最專業的技術認證解說給客戶，在基礎的檢測及認證服務之外提供最高附加價值的服務。



世創可執行標準



TAF現有項目

產品名稱	標準
分離式電源線組	CNS 15872
延長用電源線組	CNS 15767-2-7 IEC 60884-2-7 AS/NZS 3100 AS/NZS 3105
電源線組及互連式電源線組	IEC 60799 CNS 60799
聚氯乙烯絕緣花線 (CNS)	CNS 3199
聚氯乙烯絕緣花線 (IEC & AS/NZS)	IEC 60227-1 IEC 60227-2 IEC 60227-5 AS/NZS 60227.5 僅限60227 IEC52 及 60227 IEC53
家用和類似一般用途之耦合器	AS/NZS 60320.1 AS/NZS 60320.2.2 IEC 60320-1 IEC 60320-2-2 IEC 60320-3 EN 60320-1 EN 60320-2-2
家用或類似用途之插頭及插座 (AS/NZS 3112 Figure 2.1 (b), (f) and (g) 的插頭及與其對應的插座除外)	CNS 15767-1 CEI 23-50 DIN VDE 0620-1 DIN VDE 0620-2-1 IEC 60884-1 NBR 14136 NEN 1020 NF C61-314 SEV 1011 SASO 2203 AS/NZS 3100 AS/NZS 3112 BS 1363-1 BS 1363-2 EN 50075
配線用插接器	CNS 690
電器用插接器	CNS 6797
轉接器	CNS 15767-2-5 IEC 60884-2-5 BS 1363-3
墊片 (Gasket)	IEC 60950-22: 2016 Sub-clause 8.5 (章節 8.5.2 除外) EN 60950-22: 2017 Sub-clause 8.5 (章節 8.5.2 除外) UL 60950-22: 2017 Sub-clause 8.5 (章節 8.5.2 除外) UL 50E: 2015 Sub-clause 8.13 (章節 8.13.4 除外) IEC 62368: 2018 Sub-clause Y.4 (章節 Y.4.5 除外)



世創可執行標準



TAF現有項目

BSMI	
產品名稱	標準
分離式電源線組	CNS 15872 (105年版)
電源線組及互連式電源線組	CNS 60799 (105年版)
聚氯乙炔絕緣花線 (CNS)	CNS 3199 (83年版)
聚氯乙炔絕緣花線 (IEC)	IEC 60227-1 (1998) IEC 60227-5 (2003) 僅限60227 IEC52 及 60227 IEC53
延長用電源線組	CNS 15767-2-7 (103年版)
家用或類似用途之插頭及插座	IEC 60320-1 (2001)
家用或類似用途之插頭及插座	CNS 15767-1 (103年版)
配線用插接器	CNS 690 (105年版)
電器用插接器	CNS 6797 (80年版)
轉接器	CNS 15767-2-5 (103年版)
UL WTDP	
家用和類似一般用途之耦合器,第一部:一般規定 Appliance Couplers for Household and Similar General Purposes - Part 1: General Requirements	UL 60320-1
電源線組及電源線 Cord Sets and Power-Supply Cords	UL 817
插頭和插座 Attachment Plugs and Receptacles	UL 498
轉接器及插接器 Current Taps and Adaptors	UL 498A
新增項目	
產品名稱	標準
電器開關 (僅限機械式開關)	IEC 61058-1: 2008
固定設施用無鎖帶開關插座	IEC 60884-2-3
具熔線插頭	IEC 60884-2-1
電器外殼保護分類等級 (IP碼)	CNS 14165 (僅防水測項 IPX1~IPX8)



插頭插座

常用的標準：

- | | | |
|-----------------------------|-----------------|-------------|
| ◎ IEC 60884-1/EN 60884-1 | ◎ CEI 23-50 | ◎ NEN 1020 |
| ◎ IEC6084-2-5 / EN60884-2-5 | ◎ DIN VDE0620-1 | ◎ NBR 14136 |
| ◎ EN50075 | ◎ NF C61-314 | ◎ SEV 1011 |
| ◎ IEC60799/EN 60799 | | |



插頭插座測試表示：

標準	IEC 60884-1/EN 60884-1, IEC 60884-2-5 / EN 60884-2-5 EN 50075, IEC60799/EN 60799 CEI 23-50, DIN VDE0620-1, NF C61-314, NEN 1020, NBR 14136 , SEV 1011		
章節	測試項目 / 產品類型	Plug	socket-outlet
9	Checking of dimensions	✓	✓
8.8	Marking test	✓	✓
10.1	live parts not accessible in normal use	✓	✓
10.3	Checking impossibility of single-pole insertion of plugs into socket-outlet	✓	✓
10.5	Shuttered socket-outlets live parts not accessible without a plug in engagement		✓
10.6	Earthing contact test		✓
10.7	Socket-outlets with or without lid		
11.5	Connection between earthing terminal and accessible metal parts	✓	✓
16.1	Resistance to ageing	✓	✓
16.3	Resistance to humidity	✓	✓
17.1	Insulation resistance	✓	✓
17.2	electric strength	✓	✓
19	Temperature rise	✓	✓
20	Breaking capacity	(plugs with pins which are not solid)	✓
21	Normal operation	✓	✓
22	Force necessary to withdraw the plug	✓	✓
23.2	pull and torque test	✓	✓
23.4	Flexing Test	✓	✓
24.2	Tumbling barrel test	✓	✓
24.4	Impact test at low temperature	✓	✓
24.5	Compression test	✓	✓
24.7	Plug pins provided with insulating sleeves test	(with insulating sleeves)	
24.8	Shutter test		✓
24.10	Pull test to verify the fixation of plug pins test	✓	
25.1	Oven test	✓	✓
25.2	Ball pressure test (insulating material retaining current-carrying parts)	✓	✓
25.3	Ball pressure test(insulating material not retaining current-carrying parts)	(insulating material not retaining current-carrying parts)	
25.4	Ball pressure test(insulating material not retaining current-carrying parts)	✓	✓
26.1	Threaded part torque test	✓	✓
27	Creepage distances, clearances and distances through sealing compound	✓	✓
28.1.1	Glow-wire test	✓	✓
28.1.2	Plugs with pins provided with insulating sleeves	(with insulating sleeves)	
28.2	Resistance to tracking	(高於IPX0)	
30.1	Pressure test at high temperature	(with insulating sleeves)	
30.2	Static damp heat test	(with insulating sleeves)	
30.3	Test at low temperature	(with insulating sleeves)	
30.4	Impact test at low temperature	(with insulating sleeves)	



插頭插座

測試項目差異表

章節	測試項目 / 產品類型	IEC 60884-1 EN 60884-1, IEC 60884-2-5 EN 60884-2-5	DIN VDE0620-1	NEN 1020	NF C61-314	CEI 23-50 NBR 14136 SEV 1011	IEC60799 EN 60799	EN 50075
9	Checking of dimensions				✓	✓		
8.8	Marking test		✓	✓	✓			
10.1	live parts not accessible in normal use							
10.3	Checking impossibility of single-pole insertion of plugs into socket-outlet		✓					
10.5	Shuttered socket-outlets live parts not accessible without a plug in engagement		✓					
10.6	Earthing contact test		✓					
10.7	Socket-outlets with or without lid							
11.5	Connection between earthing terminal and accessible metal parts							
16.1	Resistance to ageing							
16.3	Resistance to humidity							
17.1	Insulation resistance							
17.2	electric strength							
19	Temperature rise		✓	✓				
20	Breaking capacity		✓					
21	Normal operation		✓	✓				
22	Force necessary to withdraw the plug		✓	✓	✓			
23.2	pull and torque test							
23.4	Flexing Test							
24.2	Tumbling barrel test		✓					
24.4	Impact test at low temperature							
24.5	Compression test							
24.7	Plug pins provided with insulating sleeves test							
24.8	Shutter test							
24.10	Pull test to verify the fixation of plug pins test							
25.1	Oven test							
25.2	Ball pressure test (insulating material retaining current-carrying parts)							
25.3	Ball pressure test(insulating material not retaining current-carrying parts)	(insulating material not retaining current-carrying parts)	(insulating material not retaining current-carrying parts)	(insulating material not retaining current-carrying parts)	(insulating material not retaining current-carrying parts)	(insulating material not retaining current-carrying parts)	(insulating material not retaining current-carrying parts)	(insulating material not retaining current-carrying parts)
25.4	Ball pressure test(insulating material not retaining current-carrying parts)							
26.1	Threaded part torque test							
27	Creepage distances, clearances and distances through sealing compound		✓					
28.1.1	Glow-wire test							
28.1.2	Plugs with pins provided with insulating sleeves							
28.2	Resistance to tracking	(高於IPX0)	(高於IPX0)	(高於IPX0)	(高於IPX0)	(高於IPX0)	(高於IPX0)	(高於IPX0)
30.1	Pressure test at high temperature							
30.2	Static damp heat test							
30.3	Test at low temperature							
30.4	Impact test at low temperature							

