样品承认书

客户(customer):	
产品描述(escription) :	防水24P四脚插板双排SMT 8.65L 舌头外露
机种型号(our model no) <u>:</u>	TYPE-C-DS24PF865
客户料号(customer model);	
日期(date):	2023-6-7

客户确认 approval signature:						
核准 approved by:	审核 checked by:	检测 tested by:				

制造	b商 manufacturer:	
业务 sales:	核准 approved by:	设计 designed by:
杨凌峰	陈丽梅	李文魁

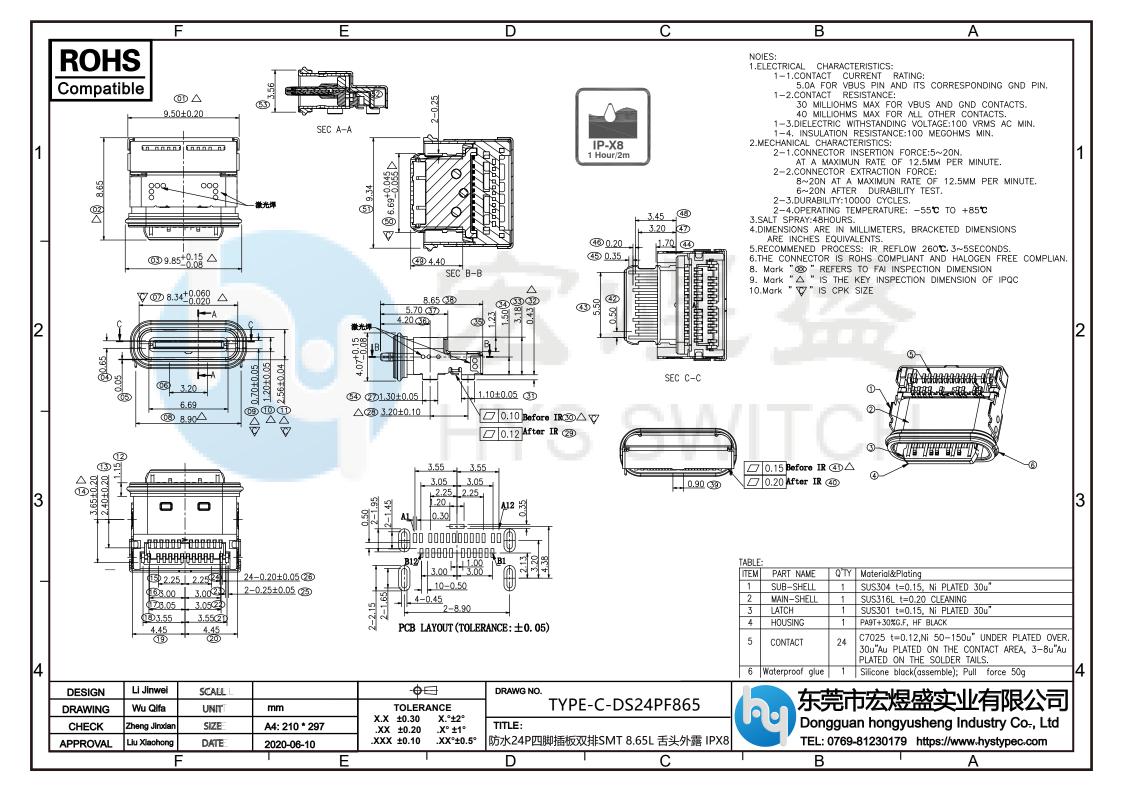
东莞市宏煜盛实业有限公司

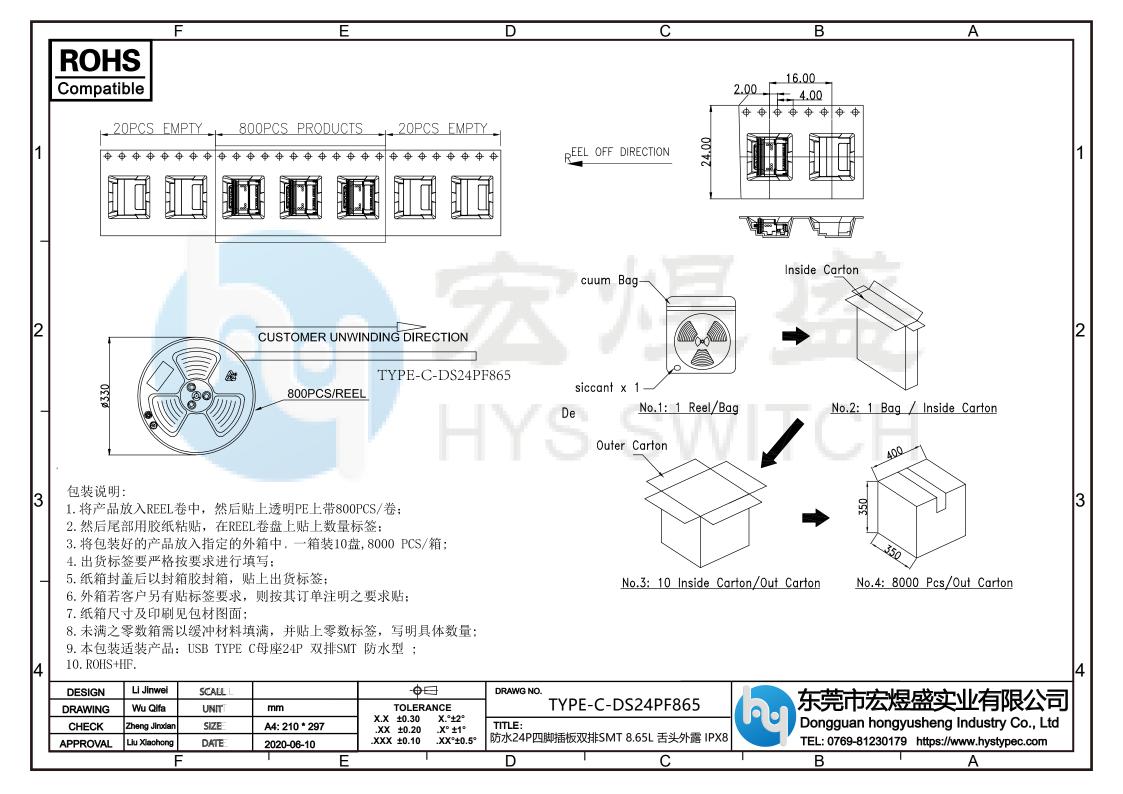
工厂地址: 东莞市石碣镇刘屋刘沙南路1号 办公地址: 广东省东莞市大朗镇洋坑塘景富西路 211 号 ADD: 211 Jingfu West Road, yangkengtang, Dalang Town, Dongguan City, Guangdong Province

电话: 0769-81230179 传真: 0769-812*30169*

网站: www.hystypec.com 邮箱: hys@hystypec.com

RoHS





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Product Name 品名	SPECIFICATION Number 编号	File No:SPEC-2021-001	Revision:	A
USB TYPE C REC.	DS24PF865	Date: 2021-6-11	Page:	2/7

1. SCOPE

This specification is applied to the requirements for USB TYPE C REC. connector .This specification covers the materials, electrical, mechanical and environmental performance of the applicable product description and test method.

2. REQUIREMENTS

2.1 Design and Construction

Product shall be of the design, construction and physical dimensions specified on the Applicable product drawing.

2.2 Materials

Refer to the drawing.

2.3 Related documents

EIA-364

2.4 Rating

Item	Standard
Rated Voltage (Maximum)	AC:5V(RMS)
Rated Current (Maximum)	DC:5A
Operating temperature range	0°C∼+50°C 85%RH MAX
Storage Temperaur Range	-20℃~+60℃ 85%RH MAX

3. TEST STANDARD

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows

3.1 Ambient temperature: 15°C to 35°C

3.2 Relative humidity: 25% to 85%

3.3 Air pressure: 86Kpa to 106 Kpa

3.4 Test Requirements and Procedures Summary



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Pro	duct Name 品名	SPECIFICATION Number 编号	File No:SPEC-	-2021-001	Revision:	A		
US	B TYPE C REC.	DS24PF865	Date: 2021	1-6-11	Page:	3/7		
	Item	Test Condition/M	lethod	Red	quirement			
1	Examination of Product	Meets requirements of product d	Meets requirements of product drawing.					
2	Gold Plating Thickness Measurement	drawing.	nall be confirmed with eyes in accordance with each awing. nall be confirmed by using X-RAY detector.					
		Electrical Per	rformance					
The low level contact resistance (LLCR) The following measurement is made across the plug and receptacle mated contacts and does not include any internal paddle cards or substrates of the plug or receptacle. The test boards shall be provided with the connectors to be tested. • Measure at 20 mV (max) open circuit at 100 mA.				and signal cor ax) initial for other contacts aximum afte	ntacts: r VBUS,			
4	Dielectric Withstanding voltage	Applicable to both receptacle and • Measurement per Method B. EIA-364-20	-					
5	Insulation Resistance	Applicable to both receptacle and EIA-364-21						
Resistance Resistance A current of 5 A shall be applied collectively to VBUS pins (i.e., pins A4, A9, B4, and B9) and 1.25 A shall be applied to the VCONN pin (i.e., B5) as applicable, terminated through the corresponding GND pins (i.e., not exceed 30°C above the applied to the VCONN pin (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., applied to the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the VBUS and GND contact terminated through the corresponding GND pins (i.e., base) as applicable, the vBUS and GND contact terminated through the corres						air above cts shall		

A shall also be applied individually to all the other contacts, as applicable. When current is applied to the contacts, the temperature of the connector pair shall be

allowed to stabilize.



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Date: 2021-6-11 nce maximum Within the rain This requirement plugs that are without a cable maximum Within the rain within the rain the rain than the rain that the rain	ent does not ap used for direc	ply to the
maximum Within the ran This requirement plugs that are without a cable	ent does not ap used for direc	ply to the
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maximum Within the ra		t docking
measured aft of five insert (i.e., the sixth additional insertion/extrextraction for again (i.e., extraction) and shall be within a) 33 % of the b) within the The extraction the range of 10,000 insertion this requirement plugs that are	ter a precondition/extraction two raction cycle ree shall be no the thirty and the extraction range of 8 N to n force shall be 6 N to 20 on/extraction ent does not ap used for direct	ditioning n cycles After an enty-five es, the neasured y-second ion force g, and to 20 N. The within N after cycles. ply to the
te of 500 ± 10,000 cycles to Low level conditions the checked to be	minimum. contact resista standing voltag e within spec	e shall be
	of five inser (i.e., the sixth additional insertion/ext extraction for again (i.e., extraction) ar shall be within a) 33 % of the b) within the The extraction the range of 10,000 insertion. This requirement plugs that are without a cable to of 500 ± 10,000 cycles. Low level of dielectric with checked to be 10,000 durabil. Rotate the orm 2,500 le or plug les. Rotate the orm 2,500 cycles per	insertion/extraction cycle extraction force shall be magain (i.e., the thirty extraction) and the extraction shall be within: a) 33 % of the initial readin b) within the range of 8 N to 20 10,000 insertion/extraction This requirement does not applugs that are used for direct without a cable. The extraction force shall be the range of 6 N to 20 10,000 insertion/extraction This requirement does not applugs that are used for direct without a cable. The extraction force shall be the range of 6 N to 20 10,000 insertion/extraction This requirement does not applugs that are used for direct without a cable. The extraction force shall be the range of 8 N to 20 10,000 insertion/extraction This requirement does not applugs that are used for direct without a cable. The extraction force shall be the range of 6 N to 20 10,000 insertion/extraction This requirement does not applugs that are used for direct without a cable. The extraction force shall be the extraction force shall be the range of 8 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6 N to 20 10,000 insertion force shall be the range of 6



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USE	3 TYPE C REC.	DS24PF865	Date: 2021	-6-11	Page:	5/7	
10	Temperature Life	105° C without applied voltage for 7 preconditioning(Perform 50 unplug/EIA 364-17, Method A.	2 hours when used as	Low level contact resistance std as spec before, 50 milliohms max. after Temperature Life test.			
11	Vibration		No evidence and no disconmicrosecond. Low level cospec before and	ntinuity longe	er than 1		
12	Cyclic Temperature and Humidity	EIA 364-31	Low level cor spec before a Temperature a	and after th	e Cyclic		
13	Thermal Shock	25 Cycles -55°C and +85°C. EIA 364-32, Test Condition I NOTE: To determine actual test result. Universal Serial Bus Type-C Co Assemblies Compliance Docume and +85°C.	nnectors and Cable	No evidence of damage. Low level contains spec before and Shock test.	act resistance r	neets	
14	Mixed Flowing Gas	Samples should be placed in a controlled 'test chamber' that is analyzing system for controlled the specified gas mixture. Test coused and the weight gain reported Test duration is 7 days. EIA 364-65, Class II A	monitored by a gas d concentrations of oupons shall also be	spec before an	d after the M		
15	Humidity(steady state)	EIA-364-31C standard;Methor A(96 Hours); Operational, If posture Humidity:90~95%, Temperatime is 96H. Check every 5-10 min in beg 30 min, and so on (to ensure test is not too aggress)	ossible ture:40+/-2, Test inning, then every	no severe co		and the	
16	Salt Mist	5+1% NaCl spray at 35±2C° EIA-364-26B standard) After test, clean the surface Warm water, and holding less temperature, then Chec cosmetic, no severe cosmetic is 48hrs Check every 5-10 min in beg 30 min, and so on (to ensure test is not too aggress)	No severe co corrosion.	osmetic dama	age or		



Pro	duct Name 品名	SPECIFICATION Number 编号	File No:SPEC-2	2021-001	Revision:	A
US	B TYPE C REC.	DS24PF865	Date: 2021	Page:	6/7	
17	Resistance to Soldering heat	Sec. EIA-364-56 TEMP 2-4C'/sec Pre-heat:180-200'C (120sec Min) 2	Solder temperature 260±5°C, Immersion time:10 Sec. EIA-364-56 TEMP 2-4C*/sec 120sec Min) 220°C (120sec Min) 2-4C*/sec			
18	Solder temperature: 250±5°C Soldering time: 3 to 5 Seconds. EIA-364-52				area of each lea er coverage Mi	

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Product Name 品名	SPECIFICATION Number 编号	File No:SPEC-2021-001	Revision:	A
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TEST GROUP AND SEQUENCE

	TEST ROUP											
ITEM	DESCRIPTION	A-0	A-1	A-2	A-3	A-4	A-5	A-6	A-7	A-8	A-9	A-10
		TEST SEQENCE										
1	Examination of Product	1	1, 6	1, 8	1, 8	1, 8	1, 11	1, 3	1, 3	1, 3	1, 7	1, 7
2	Gold Plating Thickness Measurement	2										
3	Low Level Contact Resistance (LLCR)		2,5	2,5,7	2,5,7	2,5,7	3,8				2,5	2,5
4	Dielectric Withstanding voltage						2,9					
5	Insulation Resistance						10				3,6	3,6
6	Contact Current Rating							2				
7	Insertion Force						4					
8	Extraction Force						5,7					
9	Durability or Insertion/Extraction Cycles Preconditioning:Perform 50 unplug/plug cycles		3 (Pre)	3 (Pra)	3 (Pre)	3 (Pra)	6					
10	Temperature Life (72 hours when used as preconditioning)		4	(11c)	4	4 (Pre)	0					
11	Vibration				6							
12	Cyclic Temperature and Humidity			6								
13	Thermal Shock			4								
14	Mixed Flowing Gas					6						
15	Humidity(steady state)										4	
16	Salt Mist											4
17	Resistance to Soldering heat									2		
18	Solderability								2			
Sample quantity (pcs)		5	5	5	5	5	5	5	5	5	5	5
Note:												

制表: 审核: 审批: