

Out-Going Inspection Report

出貨檢驗報告

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Approved	Roc	Reviewed	Leer	Prepared	Jacky
Date	2018/12/13	Date	2018/12/13	Date	2018/12/13



12/13/2018

A. Certificate of Conformance

<u>CustomerPartNo:uArt-ftdi-revC3</u>	
<u>Customer Part corde: 3PCB-0-00465</u>	
<u>Customer PO:604758</u>	
<u>Layer Counts:4 Layer</u>	
<u>Base material:ShengYi S1600(CTI 600)</u>	
<u>Soldmask Type:TDS PSR-4000 HFX(CTI 600)</u>	
<u>UL Flame Class: 94V-0/E198407</u>	
<u>RoHS: Yes</u>	
<u>Shipping quantity: 1000</u>	
<u>Shipping Date:2018-12-14</u>	

This is to certify that the above bare PCBs have been inspected and meet all the requirements and specification of the applicable purchase order.

The inspection data are enclosed in the attached inspection report.

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B: Basic information

Shipping Quantity数量: 1000 PC Sample Size数量: 900pcs

Inspection plan抽样计划:

AQL=0.65

Item 项目	Description 描述	Requirement要求	Actual 实际	ACC/REJ
Laminate 板料	Material Type 物料类型	FR4 (S1600)	FR4 (S1600)	Acc
	CTI 高CTI/普通CTI	CTI 600	CTI 600	Acc
	Finished Board Thickness 完成板厚	1.6 +/-10%mm	1.63 mm	Acc
Surface Circuit 表面线路	Trace Width(min) 最小线宽	7.9 mil±20%	8 mil	Acc
	Trace Spacing(min) 最小线间	11 mil±20%	11.02 mil	Acc
Plating 电镀层厚度	Hole Wall Copper Thickness 孔铜厚	≥20um	23.2 um	Acc
	surface Copper 面铜厚	≥35um	40.2 um	Acc
Surface Finish 表面处理方式	Surface Finish 表面处理方式	ENIG	ENIG	Acc
	Thickness 表面处理涂层厚	≥12um	15um	Acc
	ENIG (Ni Thickness) 镍厚	/	/	ACC
	ENIG (Au Thickness) 金厚	/	/	ACC
	Tape test 胶纸测试	No peel off	No peel off	Acc
Solder Mask 阻焊	Material type 物料类型	TDS_PSR-4000_HFX	TDS_PSR-4000_HFX	Acc
	Color 颜色	green	green	Acc
	S/M Thickness 阻焊厚度	≥12um	16.3 um	Acc
	CTI 高CTI/普通CTI	CTI 600	CTI 600	Acc
	Tape test 胶纸测试	No peel off	No peel off	Acc
	Solvent Test 溶剂测试	No peel off	No peel off	Acc
Silkscreen 字符	Material type 物料类型	/	/	/
	Color 颜色	White	White	Acc
	Component/Solder Side 零件/焊锡面	CS	CS	Acc
	Tape test 胶纸测试	No peeling off	No peeling off	Acc
	Solvent Test 溶剂测试	No peeling off	No peeling off	Acc
Identification 标识	Manufacturer's Logo 制造商标识	/	/	/
	UL Logo	/	/	/
	Date Code 周期			
Profile/Outline 外型	Punching/ Routing 啤板/锣板	routing	routing	Acc
	Unit Dimension(mm) 单元尺寸(mm)	23.5mm*52.2	24mm*53mm	Acc
	Unit Dimension(mm) 联片尺寸(mm)	116.4mm*114mm	115.4mm*114.5mm	Acc
	V-cut Spec 角度和残厚	/	/	/
	Beveling Spec 斜边规格	/	/	/
	Warp/Twist 板弯板曲	≤0.75%	0.33%	Acc
Testing 测试	Electrical Test 电测	100%PCB Pass	100%PCB Pass	Acc
	Solderability Test 焊锡试验	Good solderability	Good solderability	Acc
	Ionic Contamination 离子污染测试	/	/	/

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D: Dimension inspection report for finished hole size

FINISHED HOLE DIAMETERS/完成孔径

UNIT/单位: mm

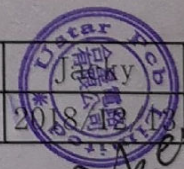
HOLE CODE 孔径编号	HOLE SIZE 孔径	HOLE SIZE 公差	ACTUAL 实际	PTH 沉铜	NPTH 非沉铜	QTY 数量	ACC/REJ
1	0.2	+/-0.075	0.23	√		137	ACC
2	0.3	+/-0.075	0.32	√		16	ACC
3	0.5	+/-0.05	0.51		√	2	ACC
4	0.55	+/-0.05	0.56		√	2	ACC

Position / 评定:

☒ Accept/接受

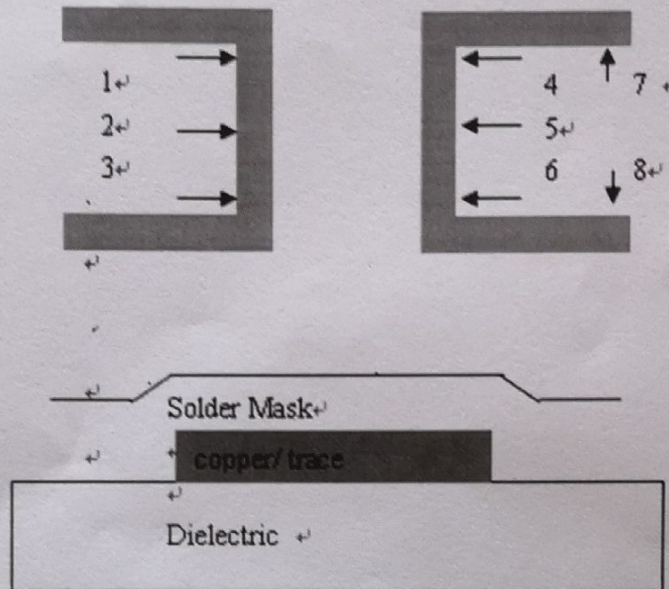
☐ Reject/拒收

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E: Micro section Report

Illustration for the measurement point



The measurement of data				After thermal stress (6 cycles)	
THICKNESS	No.	SPEC.	RESULT (um)	Check item	result
HOLE WALL (Cu thickness)	1	$\geq 20\mu\text{m}$	23.2	Delamination	NO
	2		27.1	Laminate void	NO
	3		26.8	Corner crack	NO
	4		26.5	Land lifting	NO
	5		27.2	Void	NO
	6		27.5	Nail Head	NO
	Average	N/A	26.38	Wicking	NO
Surface Cu thickness	7	$\geq 35\mu\text{m}$	40.2	Inner layer Separation	NO
	8		41.30		

Position / 评定: ☒ Accept/接受 ☐ UAI/有条件接受 ☐ Reject/拒收

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Robert Chen

F: ELECTRICAL TEST REPORT

1. TEST ITEM : OPEN/SHORT OF BARE BOARD

2. TEST EQUIPMENT TYPE

:UNIVERSAL TYPE; XIELI X600

:DEDICATED TYPE

3. TEST CONDITIONS

TEST VOLTAGE: 150 V

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