



# UNISONIC TECHNOLOGIES CO., LTD

## 產品變更通知

### PRODUCT CHANGE NOTIFICATION

PCN No.	PCN-220605	Issue Date	Jun-21-2022
TITLE	UK2751 芯片背材變更 (UK2751 CHIP BACKSIDE CHANGES)	Page 1 of 3	

#### 變更主旨(TITLE):

UK2751 芯片背材變更，工藝優化提升。

UK2751 CHIP BACKSIDE CHANGES, PROCESS OPTIMIZATION AND IMPROVEMENT.

#### 變更類別(CHANGE TYPE):

- Design       Process       Raw Material       Manufacturing Site  
 Testing       Packing/Shipping/Labeling       Other \_\_\_\_\_

#### 芯片變更前/後比對(Comparison before/after chip change):Changes

不影響外觀 / 封裝尺寸 Does not affect appearance/package size.

	變更前( Before)	變更後( After)
P/N	UK2751	UK2751
WaferName	6FJ1601FXX-XGSX6FJ1純金版本	601FXX-XSNX銀錫版本
Bonding Wire	CU Wire D:1.0milx1/S:1.0milx1	CU Wire D:1.0milx1/S:1.0milx1
Wafer Size (mm <sup>2</sup> )	0.36*1.36	0.36*1.36
Pad Size (um <sup>2</sup> )	104*104	104*104
Bonding Diagram		

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### 電性變更前/後比對(Comparison before/after electrical changes): Change

	Item Name	2 OS_VFGS	3 OS_VFGD	6 BVDSX	7 BVDGO	8 IDSS*	9S_IGSS
	Bias1	Ib=10uA	Ib=10uA	ACT=MID	ACT=MID	Vds=5V	Vgs=10V
	Bias2	Vbelim=20V	Vbelim=20V	Tstart=600us	Vdglim=40V	Idmax=20mA	Igmax=20uA
	Bias3	Ts=250us	Ts=250us	Vdslim=40V	Id=10uA	Ts=250us	Ts=5ms
	Bias4			Id=1uA	Tstart_pse=200us	Tsm=1ms	Tsm=5ms
	Bias5			Vsg=1.05V	Tstart=600us		Forw_Rev=Reverse
	Bias6			Ts=10ms	Ts=1.5ms		
	Bias7				Source=Open		
	Min Limit	0.2V	0.2V	35V	35V	0.3mA	-960pA
	Max Limit	10V	10V			1.15mA	960pA
<b>變更前( Before )</b>  6FJ1601FXX- XGSX 純金版本	Min Result	0.514	0.514	35.021	36.501	0.387	-819.38
	Max Result	0.676	0.674	40.081	40.241	0.546	0
	Average	0.522	0.522	37.831	39.973	0.484	-25.28
	STDDEV	0.001	0.001	0.302	0.22	0.028	19.643
<b>變更後(After)</b>  6FJ1601FXX- XSNX 銀錫版本	Min Result	0.52	0.52	35.661	37.601	0.384	-177.18
	Max Result	0.529	0.529	40.281	40.181	0.893	-0.146
	Average	0.524	0.524	39.019	40.009	0.474	-19.407
	STDDEV	0.001	0.001	0.377	0.015	0.026	13.736

### 品質驗證( VERIFICATION/QUALIFICATION):

本項變更不影響原有品質可靠性。

No change to quality and reliability in the final product

### 生效日期(COMplete DATE):

2022/09/22

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### 響範圍(AFFECTED PRODUCTS):

UK2751系列 (UK2751 Series )

變更芯片背材,芯片為6FJ1601FXX- XSNX ,請客戶索取樣品進行驗證

Change the chip backing ,Change the chip to 6FJ1601FXX- XSNX, please ask the customer to request a sample for verification.

### 客戶回簽(CUSTOMER RESPONSE):

請使用以下的確認通知回覆或以電子郵件同意認可或告知需要補充的資訊。如UTC於30日以內未收到確認通知，我們將視同 貴司同意此變更。

Please use the acknowledgement below or E-Mail to grant approval or request additional information. If UTC does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.

Approved    Rejected    Other\_\_\_\_\_

Customer Signature: \_\_\_\_\_

友順對此變更所引起之不便表達致歉，如果對本變更有任何問題，請與我們的業務代表或經銷商聯絡。  
We apologize for any inconvenience causing from this change, If you have any questions concerning this change, please contact your local sales or UTC's sales representative.