



UNISONIC TECHNOLOGIES CO., LTD

產品變更通知

PRODUCT CHANGE NOTIFICATION

PCN No.	PCN-221109	Issue Date	Nov-09-2022
TITLE	3N80 新增芯片 (3N80 Added Chip)		Page 1 of 3

變更主旨(TITLE):

3N80 新增芯片，使其優化流片速度。

3N80 Added chips , Make it optimized for the flow sheet speed .

變更類別(CHANGE TYPE):

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

芯片比對(Chip comparison) :Added

芯片尺寸不影響封裝尺寸及外觀尺寸

Chip size does not affect package size and appearance size.

	變更前(Original)	變更後(Update)
P/N	3N80	3N80-C
Wafer Name	6FHAXXXX	6FHCXXXX
Bonding Wire	AL wire G:5milx1/S:8milx1	AL wire G:5milx1/S:8milx1
Wafer Size (mm ²)	4.18*2.6	3.48*2.59
Pad Size (um ²)	G:440*550 S:2890*840	G:360*498um ² S:2401*1873um ²
Bonding Diagram		

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電性比對 (Electrical comparison) :Added

	封裝 L/F		原有 (Original)	新增 (Added)
	芯片 Chip		3N80	3N80
			6FHAXXXX	6FHCXXXX
BVDSS	IDS=0.25mA	V	851.0	854.7
IDSS	VDS=800V	uA	0.01	0.01
IDSS	VDS=900V	uA	2.34	2.34
IGSSF	VGS=30V	nA	6.40	6.43
IGSSR	VGS=-30V	nA	-2.92	-2.72
VTH	ID=0.25mA	V	3.94	4.09
RDSON+	IDS=1A VG=10V	Ω	3.29	3.04
RDSON+	IDS=1.5A VG=10V	Ω	3.38	3.14
VFSD	ISD=3A	V	0.85	0.85
TD(on)	VDD=100V VGS=10V ID=4A	ns	8.3	8.5
TR		ns	18.2	18.4
TD(off)		ns	38.7	39.7
TF		ns	29.2	30.0
QG	VDS=100V VGS=10V ID=4A	nC	21.5	21.4
QGS		nC	8.4	8.3
QGD		nC	4.7	5.9
Ciss	VDS=25V VGS=0 f=1MHz	pF	569.4	530.3
Coss		pF	59.4	68.2
Crss		pF	8.0	7.6
EAS	L=30mH	mJ	405	290
IAS		A	5.2	4.4

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):

2023/02/09

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響範圍(AFFECTED PRODUCTS):

3N80 新增芯片 請客戶索取樣品進行驗證

3N80 Added new chip, 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.