



# UNISONIC TECHNOLOGIES CO., LTD

## 產 品 變 更 通 知

### PRODUCT CHANGE NOTIFICATION

<b>PCN No.</b>	PCN-230501	<b>Issue Date</b>	May-04-2023
<b>TITLE</b>	MC34063A 新增芯片 (MC34063A Added chip )		Page 1 of 3

#### 變更主旨(TITLE):

MC34063A 新增芯片，以利產能提升。

MC34063A Added Chip , To facilitate production capacity increase.

#### 變更類別(CHANGE TYPE):

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

#### 變更說明(DESCRIPTION OF CHANGE) :

新增芯片，工藝優化提升。 Added chips and enhanced process optimization.

不影響封裝尺寸及外觀尺寸。 Does not L/F size and appearance size.

新增產品名：MC34063A(W1)。 Add product name：MC34063A(W1).

	原有 (Original)	新增 ( Added )
P/N	MC34063A	MC34063A(W1)
Wafer Name	6LA663FP	6UA663FA

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**電性變更前/後比對(Comparison before/after electrical changes):** Added

SYMBOL	TEST CONDITIONS	變更後 (Update)			變更前 (Original)	Unit	SPEC		
		6UA663FA			6LA663FP		MIN	TYP	MAX
		No.1	No.2	No.3					
Vth		1.2586	1.2583	1.2591	1.2541	V	1.21	1.25	1.29
DE		35.43	35.323	35.369	35.189	V	34		30
Icc	VCC=5V, CT=0.001	2.536	2.534	2.5531	2.239	mA		2.7	4
Icc_40V	VCC=40, CT=0.001	2.737	2.731	2.758	2.499	mA		2.7	4
Fosc	VCC=5V,CT=1.0nF	25.59	26	26.4	30.9	KHz	24		42
Fosc_40V	VCC=40V,CT=1.0nF	25.6	25.8	26.2	30.49	KHz	24		42
Delta_fosc		-0.0001	0.2	0.2	0.4	kHz	-1		2
Ichg	VCC=5V, TA=25°C	-36.677	-37.521	-38.073	-36.316	uA	22	31	42
Ichg_40V	VCC=40V, TA=25°C	-36.418	-37.229	-37.619	-35.44	uA	22	31	42
Idischg	VCC=5V, TA=25°C	241.779	244.83	245.966	228.86	uA	140	190	260
Idischg_40V	VCC=40V, TA=25°C	243.596	245.868	246.972	227.76	uA	140	190	260
Ichg_Delta		0.259	0.292	0.454	0.876	uA	0		5
Idischg_Delta		1.817	1.038	1.006	1.103	uA	0		20
K	V7=VCC, TA=25°C	6.864	6.791	6.722	6.302		5.2	6.1	7.5
VCEsat8	ISW=1.0A, VC(DRIVER)=VC(SW)	1.026	1.001	0.98	1.081	V		0.95	1.3
VCEsat1	ISW=1.0A, VC(DRIVER)=50mA	0.683	0.684	0.67	0.559	V		0.45	0.7
Icoff8	VCE=40.0V, TA=25°C	0.149	0.1429	0.133	0.145	uA		0.01	100
Icoff1	VCE=40.0V, TA=25°C	0.04	0.06	0.04	0.108	uA		0.01	100
Vth_3V	VCC=3V	1.258	1.257	1.249	1.246	V	1.21	1.25	1.29
Vth_40V	VCC=40V	1.261	1.261	1.251	1.248	V	1.21	1.25	1.29
Reg_line		3.114	4.381	2.423	1.666	mV		2	5
lib	VIN=0V	80.082	94.441	114.313	64.789	nA		50	400
Vipk_sense		332.66	332.66	333	328.05	mV	260		340

**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

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**生效日期(COMPLETE DATE):**

2023/08/07

**影響範圍(AFFECTED PRODUCTS):**

MC34063A 系列 (MC34063A Series )

以 6UA663FA 芯片為主生產,請客戶索取樣品進行驗證

The 6UA663FA Chip will be the main production. Please request samples 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.