SONiX
QTP Approval Form Generator
使用說明

Ver1.1

Date: 2015/12/21

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REVISION HISTORY

Version	Date	Description
VER 1.0	Feb 2012	First issue.
VER 1.1	Dec 2015	First issue.

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Development QTP Approval Form with SONiX MCU

適用對象: 客戶或代理商

1 概論

說明 **QTP Approval Form Generator (QTP 承認書)**使用方法：

- **QTP Approval Form Generator 為 SONiX 的 QTP Approval Form 文件產生工具，方便客戶或代理商建立訂單。**
- **QTP Approval Form Generator 支援以下類型**
  - **Sonix 8-bit MCU QTP Approval Form Generator**
  - **Sonix 32-bit MCU QTP Approval Form Generator**
  - **Sonix 8-bit C51 MCU QTP Approval Form Generator**
- **QTP Approval Form Generator 支援 2WORD Unique Code 燒錄 的 QTP Approval Form 產生，請參考 TN058 – "2WORD Unique Code 燒錄說明"。**
- **SONiX QTP 不支援 Rolling Code 燒錄服務,如有 Rolling code 需求請使用 MPIII 或 MP-Pro 燒錄器。**

2 如何安裝 QTP APPROVAL FORM

2.1 下載 QTP Approval form

- 可至 SONiX 網站(www.sonix.com.tw)下載 SONiX MCU QTP Approval Form Generator 安裝工具，下載路徑 SONiX 網站 → Microcontrollers → 點選 Chip Name → Software Tools。
- 預設安裝路徑 C:\Sonix\Sonix_QTP Approval Form_V 版本號.exe。

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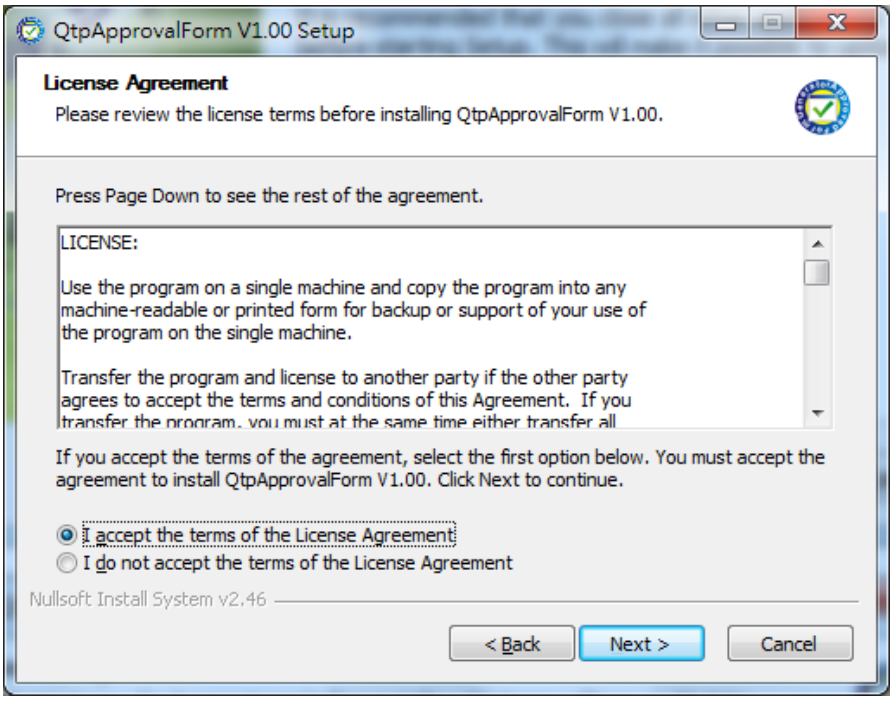
2.2 QTP Approval form 安裝流程



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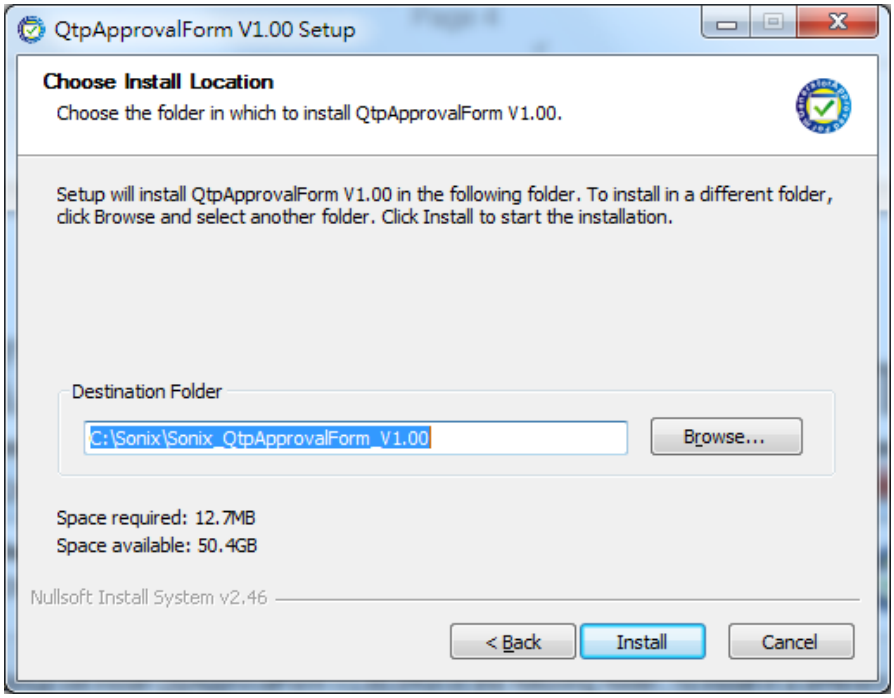

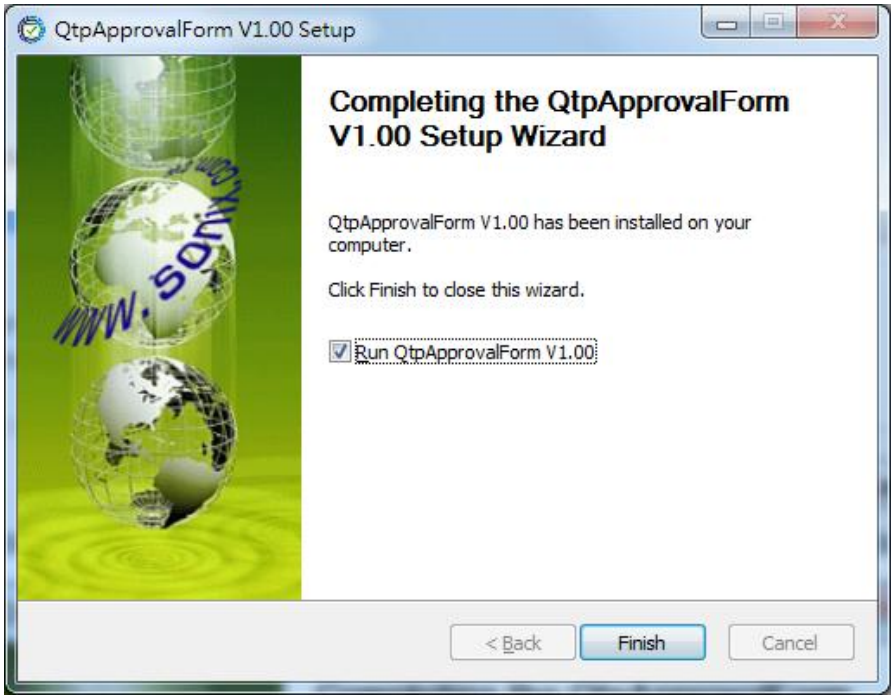

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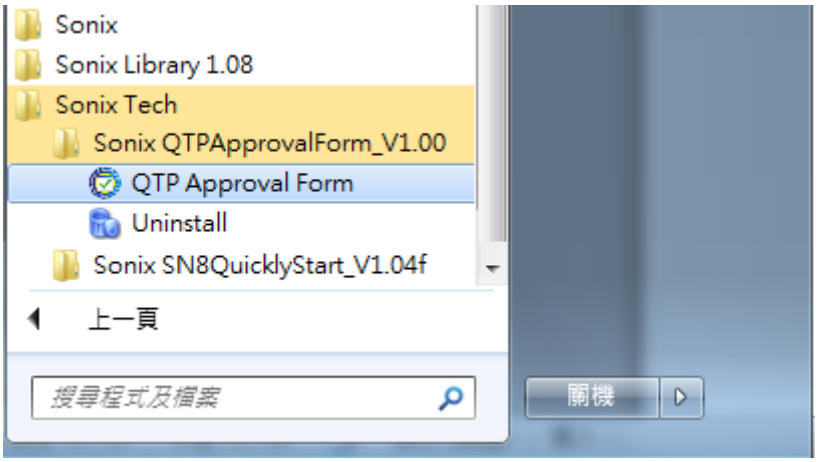
3 如何產生 QTP APPROVAL FORM 文件

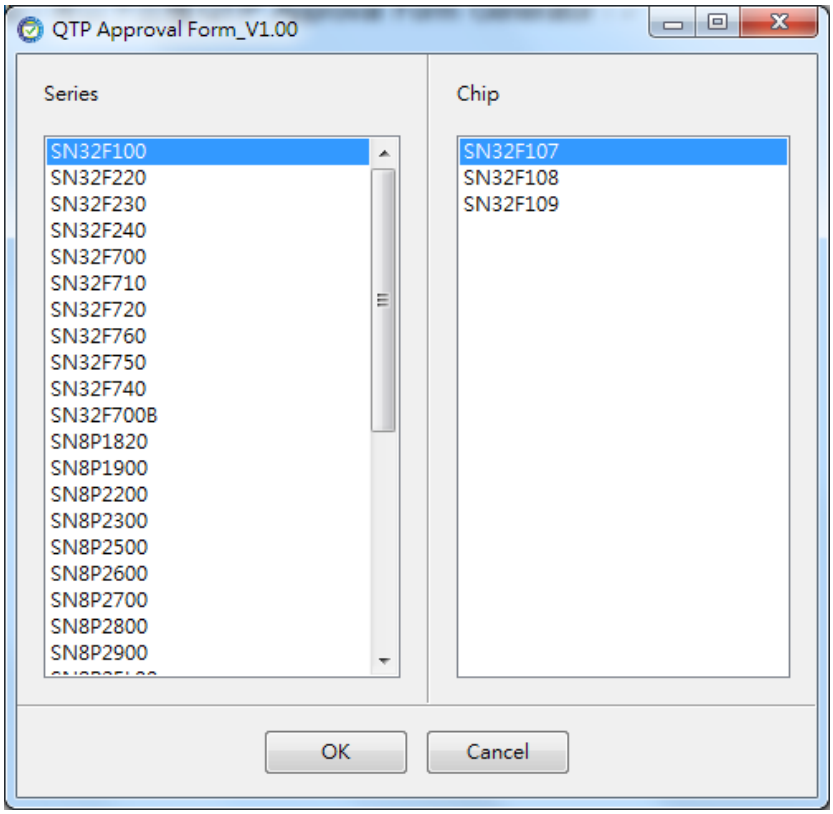
3.1 開啟 QTP Approval Form Generator 工具

開始 → 所有程式 → Sonix Tech → Sonix QTP ApprovalForm_V 版本號 → QTP Approval Form



➢ **QTP Approval Form 工具**

依照使用者選擇的 Chip，有以下三種 QTP Approval Form Generator：



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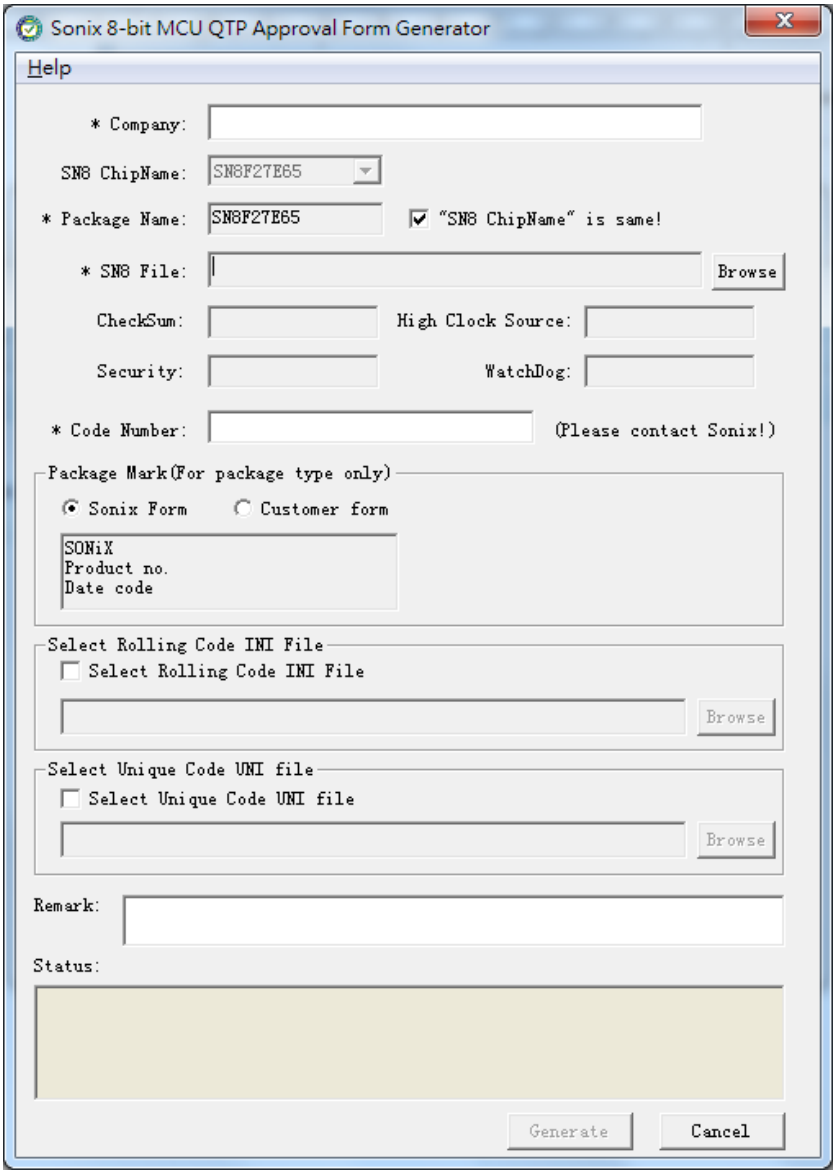
■ **Sonix 8-bit MCU QTP Approval Form Generator:**



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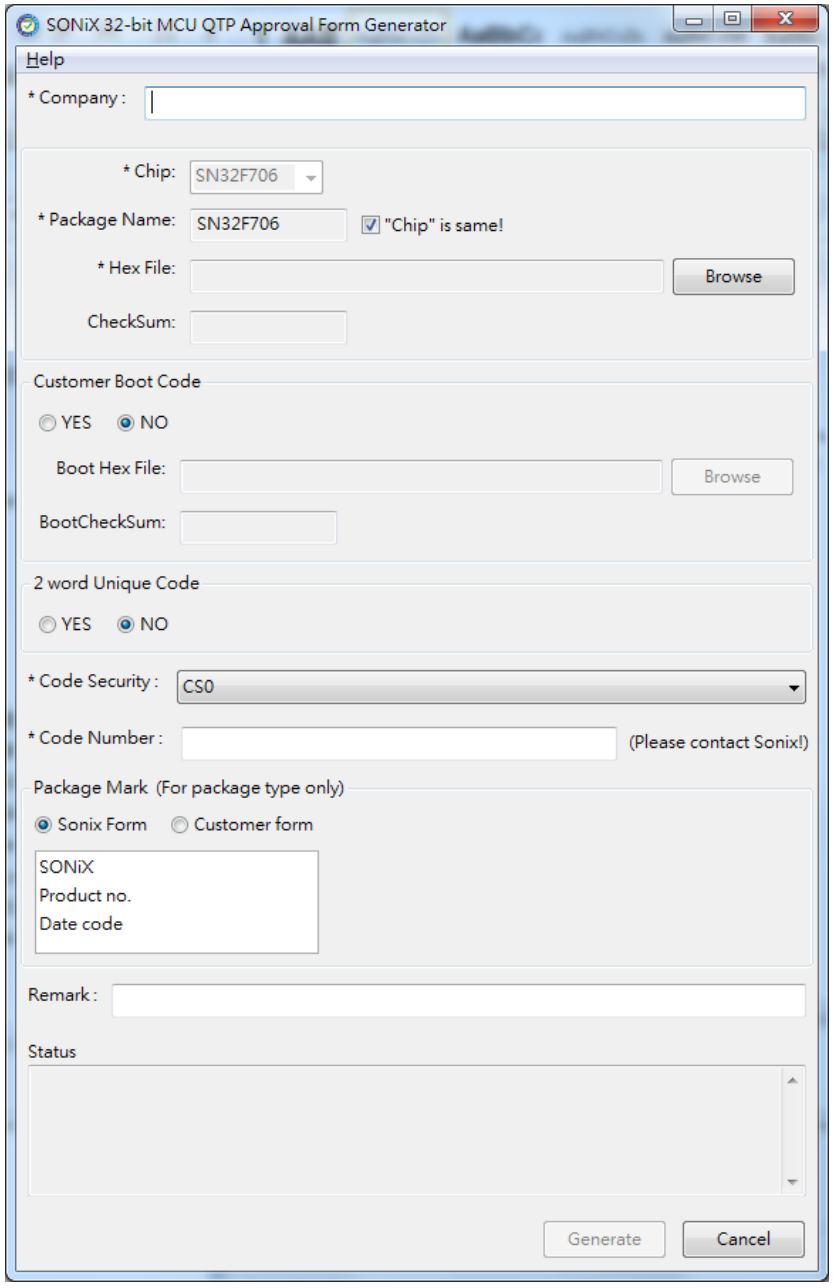
■ **Sonix 32-bit MCU QTP Approval Form Generator:**



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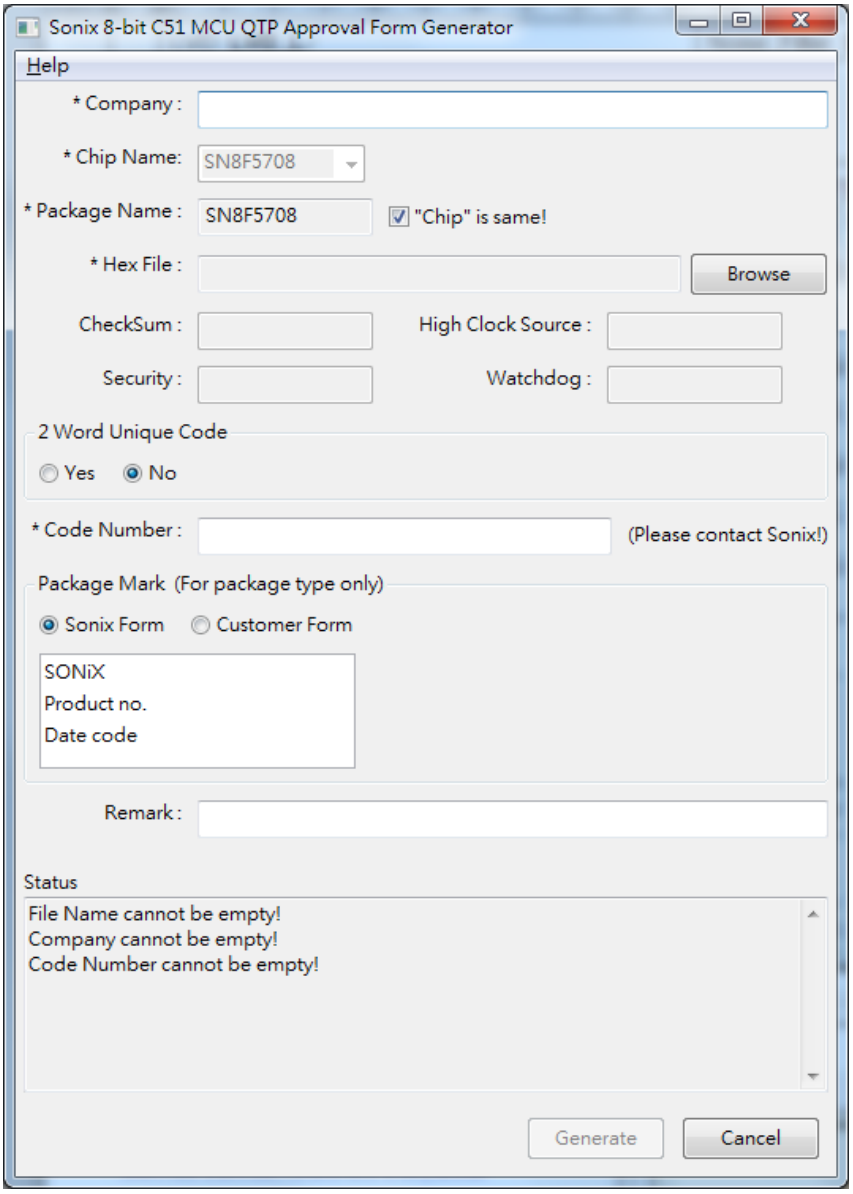
■ **Sonix 8-bit C51 MCU QTP Approval Form Generator:**



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3.2 產生 QTP Approval Form 文件

3.2.1 Sonix 8-bit MCU QTP Approval Form Generator

範例 ：

型號: SN8P27E65

Company: 松翰科技

Code Number: S8P27E65SN001H

SN8 檔: SN8P27E65.SN8

UNI 檔: SN8F27E65.UNI (當 **Select Unique Code UNI File** 已勾選)

■ **AP 畫面說明**

◆ **AP 中* 為必填項目，才可按 Generate。**

- 一般 QTP 需求，SN8 ChipName 與 Package Name 相同。
- 按下 Browse，選擇 SN8 File，自動秀出 CodeOption 的解析資料 (CheckSum、High Clock Source、Security 和 WatchDog)。
- Code Number 請 SONiX 提供。

- 特殊 QTP 需求，SN8 Name 與 Package ChipName 不相同，**可把 "Chip" is same! 的打勾拿掉，自行輸入**。

◆ **Package Mark**

- 選擇 Customer Form，客戶可自訂封裝上的印刷字。

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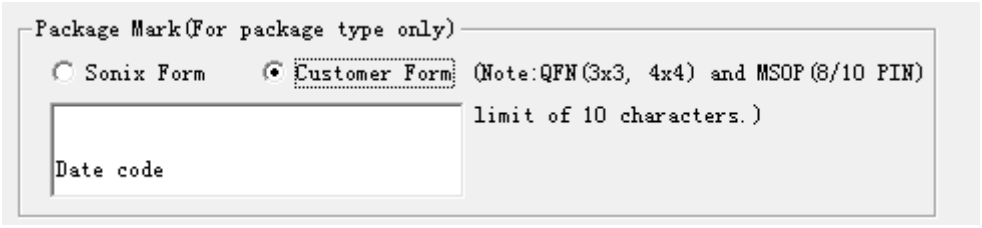
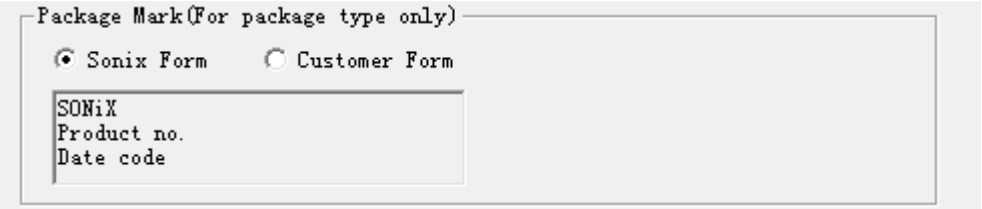
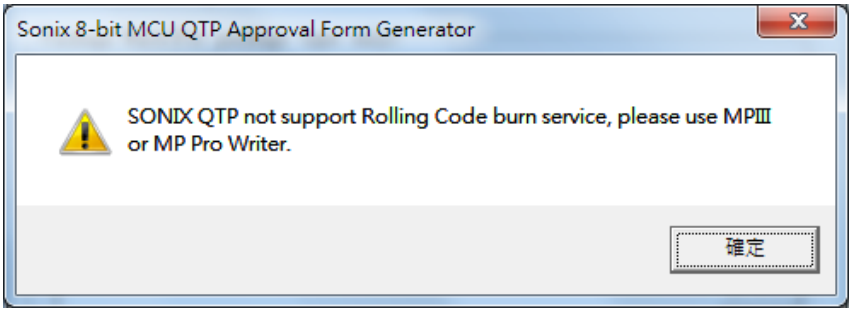




◆ **Rolling Code**

- 不可勾選 **Select Rolling Code INI File 欄位**，SONiX 不提供代燒，請客戶自行使用 MPIII Writer 或 MP Pro Writer。

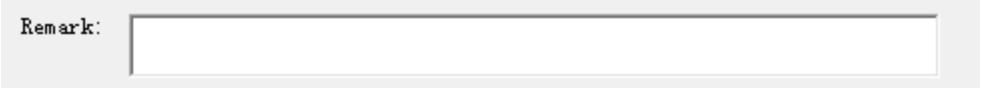


◆ **Unique Code**

- 可勾選 **Select Unique Code UNI file 欄位**，SONiX 協助客戶在固定位址中燒入。

◆ **Remark**

- 可以備註任何文字資訊



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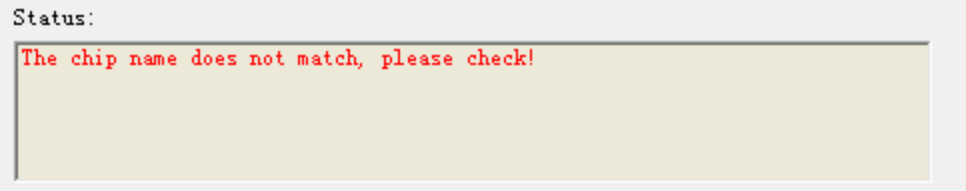
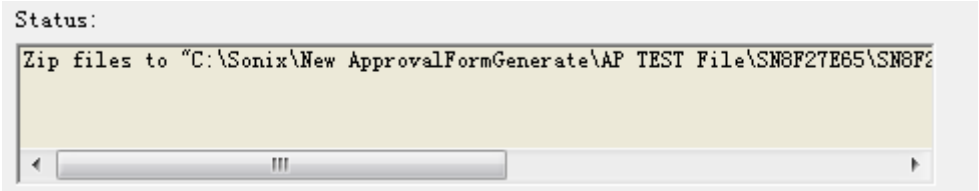
◆ **Generate**

- SN8 ChipName 與 SN8 File 不符時，Status 會產生 **" The chip name does not match, please check! "** 的文檔訊息顯示。



- Status 會產生文檔訊息顯示，並在 SN8 File 路徑下，自動產生該筆 QTP Approval Form 文檔和壓縮檔。



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■ **QTP APPROVAL FORM 文檔**

QTP APPROVAL FORM

1	Company (Customer): 松翰科技	Date: 2015/12/17
2	Package Name: SN8F27E65	Code Number: S8F27E65SN001
3	SN8 ChipName: SN8F27E65	File Name: SN8F27E65 .SN8
	EPROM Checksum: 0E7D	Security Checksum: N/A
4	Code option: 6813	High Clock Source: IHRC_16M
	Watch dog: Disable	High_Fcpu: Fhosc/16
	Security: Disable	Reset_Pin: P04
	LVD: LVD_L	Noise_Filter: Disable
5	Package Mark (for package type only): Sonix Form SONiX Product no. Date code	
6	Rolling code □Yes ■No	
	Rolling code word: N/A	Rolling code address: N/A
	Rolling code step value: N/A	Rolling code start value: N/A
	Rolling code INI file: N/A	
7	Unique code □Yes ■No	
	Unique code word: N/A	Unique code address: N/A
	Unique code UNI file: N/A	
8	Remark:	
9	**NOTICE: The customer as above-mentioned company provides the content of IC. If the content is involved in the infringement of other's right and interests in the matter of Patent, Trademark and Copyright. The customer has to take all responsibilities for a crime and civil lawsuits & any kind of compensation.**	

Signature

Customer: _____

Agent: _____

SONiX: _____

Headquarters
10F-1, No.36, Taiyuan Street, Chupei City, Hsinchu, Taiwan
Tel: 886-3-5600-888 Fax:886-3-5600-889
Sales Office
15F-2, No.171 Song Ted Road, Taipei, Taiwan
Tel: 886-2-27591980 Fax: 886-2-2759-8180

◆ **AP * 的必填項目**

1	Company (Customer): 松翰科技	Date: 2015/12/17
2	Package Name: SN8F27E65	Code Number: S8F27E65SN001
3	SN8 ChipName: SN8F27E65	File Name: SN8F27E65 .SN8
	EPROM Checksum: 0E7D	Security Checksum: N/A
4	Code option: 6813	High Clock Source: IHRC_16M
	Watch dog: Disable	High_Fcpu: Fhosc/16
	Security: Disable	Reset_Pin: P04
	LVD: LVD_L	Noise_Filter: Disable

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◆ **Package Mark**

- Sonix Form

5	Package Mark (for package type only): **Sonix Form** **SONiX** **Product no.** **Date code**

- Customer Form

5	Package Mark (for package type only): **Customer Form** **Date code**

◆ **Unique Code**

- 一般 QTP 需求， **"欄位 7 (Unique code)"** 不帶出任何資訊。

7	Unique code **■Yes □No**	
	Unique code word: **2**	Unique code address: **0x17F9**
	Unique code UNI file: **SN8F27E65.UNI**	

◆ **Remark**

2	Package Name: **SN8F27E64**
	SN8 ChipName: **SN8F27E65**

- SN8 Name 與 Package ChipName 不相同， QTP Approval Form 會在 **"欄位 8(Remark)"** 自動帶出 **" Package Model: SN8F27E64, SN8 File: SN8F27E65 "** 。

8	Remark: **Package Model: SN8F27E64, SN8 File: SN8F27E65**

◆ **Generate**

- **請客戶確認 QTP Approval Form 的內容，並簽名後將壓縮檔 (含 SN8 / Doc / UNI 檔) 提供給 SONiX 即可。**

Signature

Customer: _____

Agent: _____

SONiX: _____

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3.2.2 Sonix 32-bit MCU QTP Approval Form Generator

範例 ：

型號: SN32F706

Company: 松翰科技

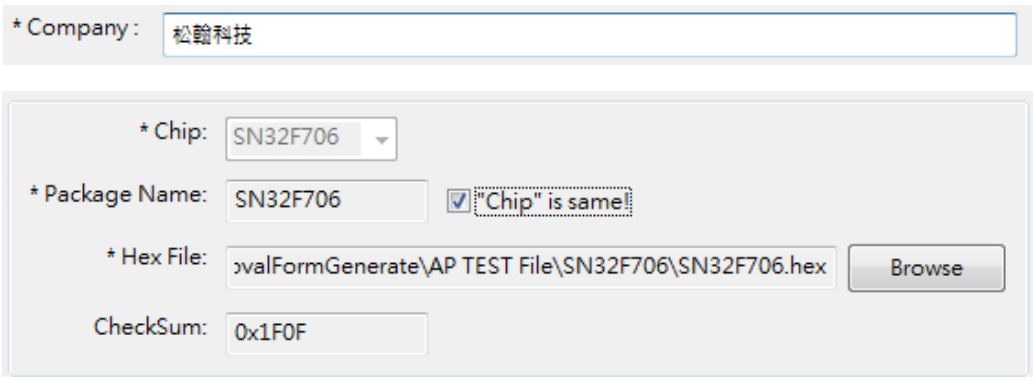
Code Number: S32F706SN001H

HEX 檔: SN32F706.hex

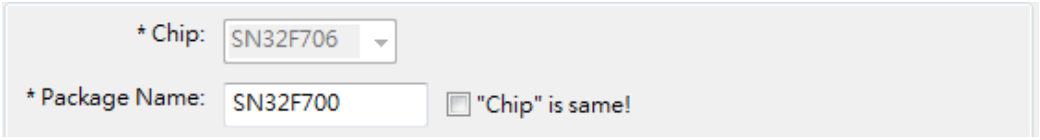
■ **AP 畫面說明**

◆ **開啟 AP 後* 為必填項目，才可按 Generate。**

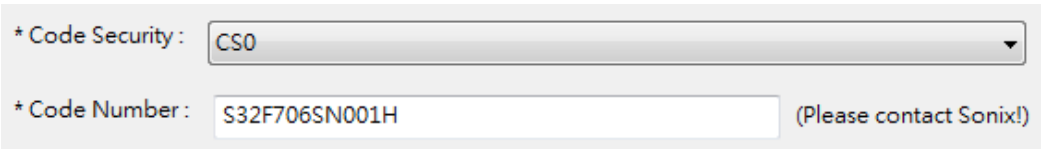
- 一般 QTP 需求，SN8 ChipName 與 Package Name 相同。
- 按下 Browse，選擇 Hex File，自動秀出 CheckSum。



- 特殊 QTP 需求，SN8 Name 與 Package ChipName 不相同，**可把 "Chip" is same! 的打勾拿掉，自行輸入。**



- Code Number 請 Sonix 提供。



◆ **Customer Boot Code**

- 選擇欲使用的 Boot Hex File(按下 Browse 選擇)，自動秀出 BootCheckSum。

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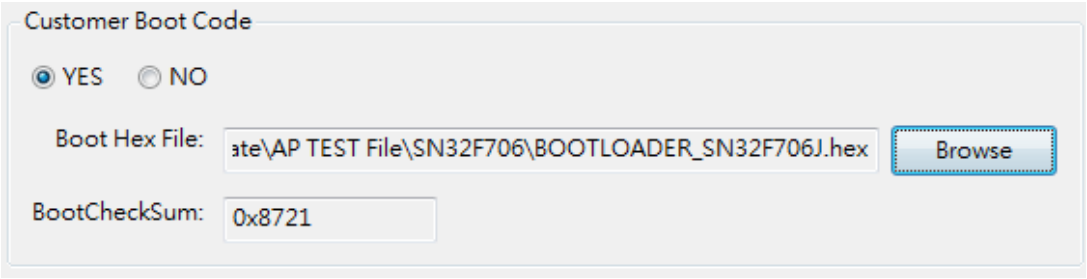
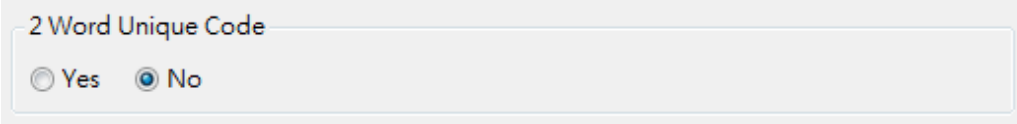


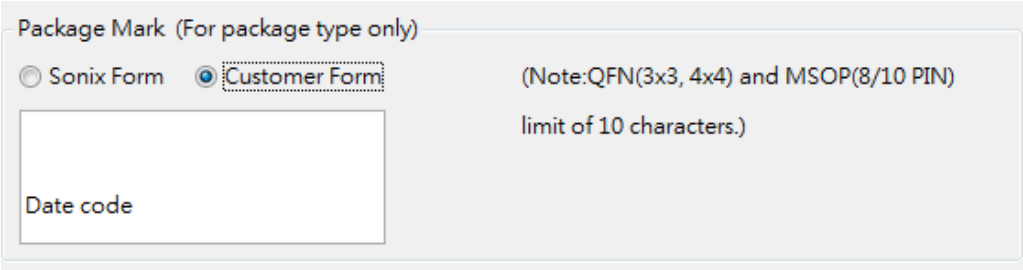
◆ **Unique Code**

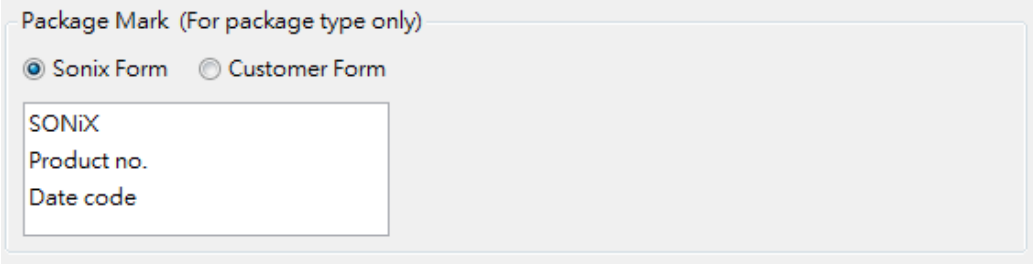
- 選擇 YES，SONiX 協助客戶在固定位址中燒入。



◆ **Package Mark**

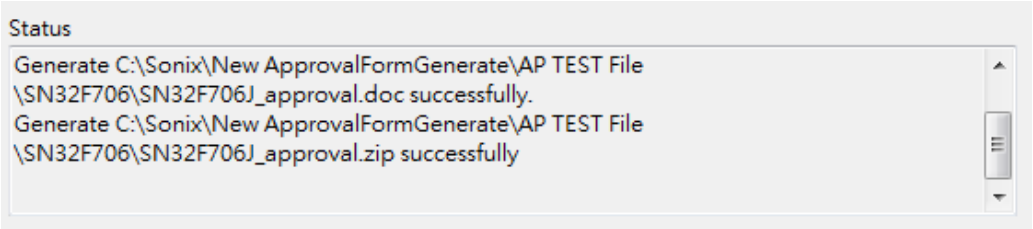
- 選擇 Customer Form，客戶可自訂封裝上的印刷字。





◆ **Generate**

- Status 會顯示文檔訊息，並在 Hex File 路徑下，自動產生該筆 QTP Approval Form 文檔和壓縮檔 (Hex / Doc / sn32 檔)。



■ **QTP APPROVAL FORM 文檔**

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QTP APPROVAL FORM

1	Company (Customer) : 松翰科技	Date : 2015/12/16
2	Package Name : SN32F706	Code Number : S32F706SN001H
3	Chip Name : SN32F706	File Name : SN32F706.hex
4	SecurityLevel : CS0	Checksum : 1F0F
5	Boot File Name : BOOTLOADER_SN32F706.hex	BootChecksum : 8721
7	Package Mark (for package type only): Sonix Form SONiX Product no. Date code	
8	Unique code : NO	
9	Remark :	
1	NOTICE: The customer as above-mentioned company provides the content of IC. If the content is involved in the infringement of other's right and interests in the matter of Patent, Trademark and Copyright. The customer has to take all responsibilities for a crime and civil lawsuits & any kind of compensation.	

Signature

Customer: _____

Agent: _____

SONiX: _____

Headquarters
10F-1, No.36, Taiyuan Street, Chupei City, Hsinchu, Taiwan
Tel: 886-3-5600-888 Fax:886-3-5600-889
Sales Office
15F-2, No.171 Song Ted Road, Taipei, Taiwan
Tel: 886-2-27591980 Fax: 886-2-2759-8180

◆ **AP * 的必填項目**

1	Company (Customer) : 松翰科技	Date : 2015/12/17
2	Package Name : SN32F706	Code Number : FDAF
3	Chip Name : SN32F706	File Name : SN32F706.hex
4	SecurityLevel : CS0	Checksum : 1F0F
5	Boot File Name : N/A	BootChecksum : N/A

◆ **Package Mark**

- Sonix Form

5	Package Mark (for package type only): Sonix Form SONiX Product no. Date code

- Customer Form

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5	Package Mark (for package type only): **Customer Form** **Date code**

◆ **Unique Code**

- 一般 QTP 需求， **"欄位 7 (Unique code)"** 不帶出任何資訊。

7	Unique code : **NO**

◆ **Remark**

8	Remark : **Package Model: SN32F700, Hex File: SN32F706**

- Package Name 不等於 Chip， QTP Approval Form 會在**"欄位 9 (Remark)"** 自動帶出**" Package Model: SN32F700, Hex File: SN32F706"** 。

◆ **Generate**

- **請客戶確認 QTP Approval Form 的內容，並簽名後將壓縮檔 (含 SN8 / Doc / UNI 檔) 提供給 SONiX 即可。**

Signature

Customer: _____

Agent: _____

SONiX: _____

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3.2.3 Sonix 8-bit C51 MCU QTP Approval Form Generator

範例 ：

型號: SN8F5708

Company: 松翰科技

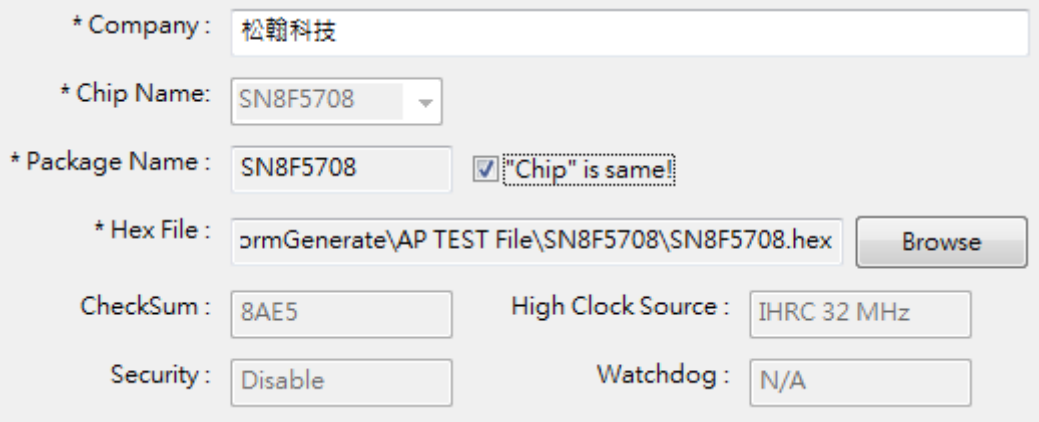
Code Number: S8F5708SN001H

HEX 檔: SN8F5708.hex

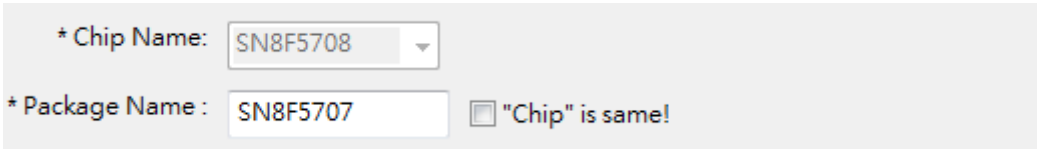
■ **AP 畫面說明**

◆ **開啟 AP 後* 為必填項目，才可按 Generate。**

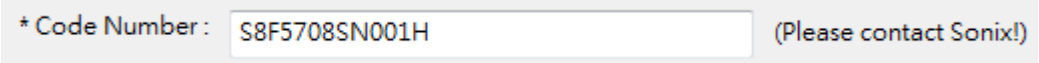
- 一般 QTP 需求，SN8 ChipName 與 Package Name 相同。
- 按下 Browse，選擇 Hex File，自動秀出 CodeOption 的解析資料 (CheckSum、High Clock Source、Security 和 Watchdog)。



- 特殊 QTP 需求，SN8 Name 與 Package ChipName 不相同，**可把 "Chip" is same! 的打勾拿掉，自行輸入**。



- Code Number 請 Sonix 提供。



◆ **Unique Code**

- 選擇 YES，SONiX 協助客戶在固定位址中燒入。

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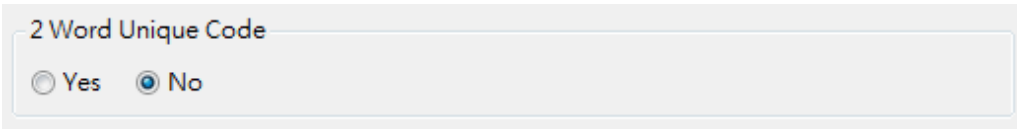
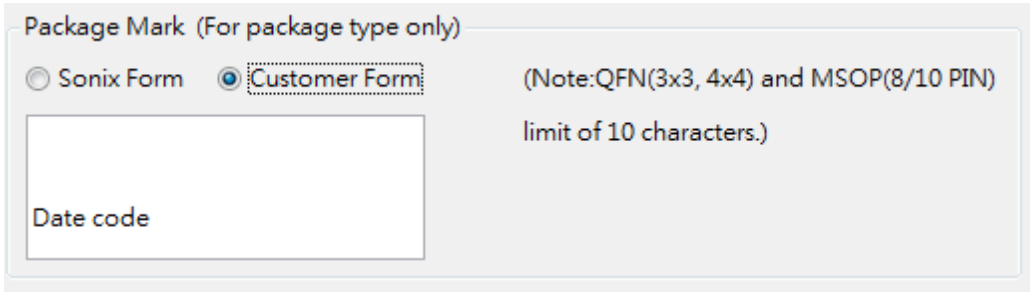
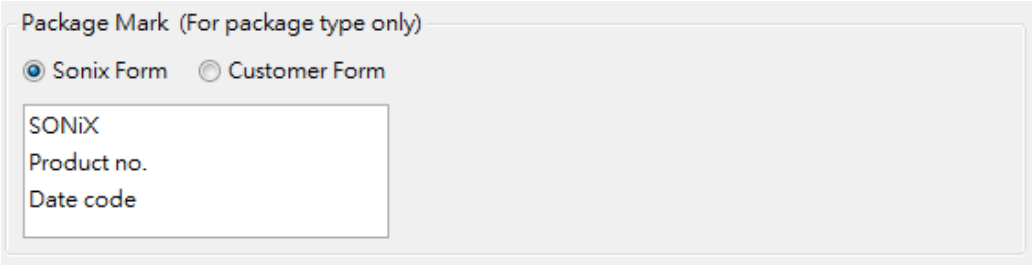


◆ **Package Mark**

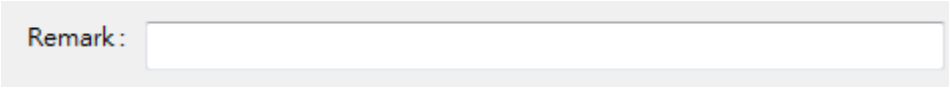
- 選擇 Customer Form，客戶可自訂封裝上的印刷字。





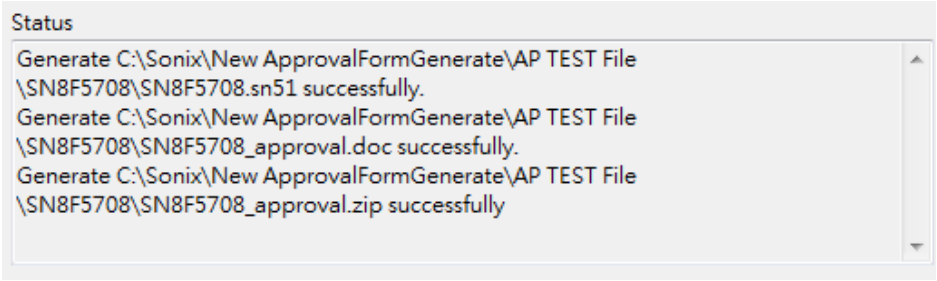
◆ **Remark**

- 可以備註任何文字資訊



◆ **Generate**

- Status 會產生文檔訊息顯示，將自動產生該筆 QTP Approval Form 文檔，將 Hex / Doc / sn51 File 放置壓縮檔。



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■ **QTP APPROVAL FORM 文檔**

QTP APPROVAL FORM

1	Company (Customer): 松翰科技	Date: 2015/12/17
2	Package Name : SN8F5708	Code Number: S8F5708SN001H
3	Chip Name : SN8F5708	File Name: SN8F5708.hex
4	Checksum: 8AE5	
5	Code option: D75AA5AF	High Clock Source: IHRC 32 MHz
	Watch dog: N/A	High_Fcpu: N/A
	Security: Disable	Reset_Pin: N/A
	LVD: LVD_L	Noise_Filter: Disable
6	Unique code : No	
7	Package Mark (for package type only): Sonix Form SONiX Product no. Date code	
8	Remark :	
9	NOTICE: The customer as above-mentioned company provides the content of IC. If the content is involved in the infringement of other's right and interests in the matter of Patent, Trademark and Copyright. The customer has to take all responsibilities for a crime and civil lawsuits & any kind of compensation.	

Signature

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15F-2, No.171 Song Ted Road, Taipei, Taiwan,
Tel: 886-2-27591980 Fax: 886-2-2759-8180

◆ **AP * 的必填項目**

1	Company (Customer): 松翰科技	Date: 2015/12/17
2	Package Name : SN8F5708	Code Number: S8F5708SN001H
3	Chip Name : SN8F5708	File Name: SN8F5708.hex
4	Checksum: 8AE5	
5	Code option: D75AA5AF	High Clock Source: IHRC 32 MHz
	Watch dog: N/A	High_Fcpu: N/A
	Security: Disable	Reset_Pin: N/A
	LVD: LVD_L	Noise_Filter: Disable

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◆ **Package Mark**

- Sonix Form

7	Package Mark (for package type only): **Sonix Form** SONiX Product no. Date code

- Customer Form

7	Package Mark (for package type only): **Customer Form** Date code

◆ **Unique Code**

6	Unique code : No.

◆ **Remark**

- Package Name 不等於 Chip， QTP Approval Form 會在”**欄位 8 (Remark)**”自動帶出”**Package Model: SN8F5707 Hex File: SN8F5708** ”。

8	Remark : **Package Model: SN8F5707, Hex File: SN8F5708**

◆ **Generate**

- **請客戶確認 QTP Approval Form 的內容，並簽名後將壓縮檔 (含 SN8 / Doc / UNI 檔) 提供給 SONiX 即可。**

Signature	Customer: _____
	Agent: _____
	SONiX: _____

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Fax: 886-2-2759 8180

Hong Kong Office:
Unit 1519, Chevalier Commercial Centre, NO.8 Wang Hoi Road, Kowloon Bay, Hong Kong. Tel: 852-2723-8086
Fax: 852-2723-9179

Technical Support by Email:
Sn8fae@sonix.com.tw

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