

Product / Process Change Notice

PCN No.: Q000-PCN-TL201610-01

Date: 2016-10-28.

<p>Change Title: <u>KYEC testing site change from Chu-Nan factory to Tong-Luo factory.</u></p> <p>Change Classification: <input checked="" type="checkbox"/> Major <input type="checkbox"/> Minor</p> <p>Change item: <input type="checkbox"/> Design <input type="checkbox"/> Raw Material <input type="checkbox"/> Wafer FAB <input type="checkbox"/> Package Assembly <input checked="" type="checkbox"/> Testing <input type="checkbox"/> Others: _____.</p>			
<p>Affected Product(s) :</p> <p>The affected part no. list, please refer to the Table I for more information.</p>			
<p>Description of Change(s) :</p> <p>The affected CP(Chip Probing) testers at CP testing house at KYEC(King Yuan Electronics CO., LTD.) will be moved from Chu-Nan factory(No.118, Chung-Hua Rd., Chu-Nan, Miao-Li 350, Taiwan (R.O.C.)) to Tong-Luo factory(No.8, Tongke N. Rd., Jiuhu , Tong-Luo Township, Miao-Li 366, Taiwan (R.O.C.)).</p>			
<p>Reason for Change(s) :</p> <p>Due to capacity limitation, the affected testers will be moved from Chu-Nan factory to Tong-Luo factory.</p>			
<p>Impact of Change(s) : (positive & negative)</p> <p>Form: No concern</p> <p>Fit: No concern.</p> <p>Function: No concern.</p> <p>Reliability: No concern.</p>			
<p>Qualification Plan/ Results :</p> <p>Passed the testing equipment verification and correlation, please refer to appendix A for the details.</p>			
<p>Implementation Plan :</p> <p><input type="checkbox"/> Date Code: _____ onward <input type="checkbox"/> Lot No.: _____ onward <input checked="" type="checkbox"/> Implemented date: <u>Jan. 26, 2017 (scheduled)</u></p>			
Originator:	H.Y. Lai / Q100	Approval:(QRA Director)	K.L. Lin/ Q000
Contact for Questions & Concerns	<p>Name: <u>HYLai</u> TEL: <u>886-3-5770066</u> (ext. <u>31226</u>) FAX: <u>886-3-5792673.</u></p> <p>Address: <u>No.4, Creation Rd. III Science-Based Industrial Park Hsinchu, Taiwan, R.O.C..</u></p> <p>E-mail: <u>hylai0@nuvoton.com.</u></p>		

Customer Comments:

Note: Please sign this notice, and return to **Nuvoton** contact within **30** days. If no response is received within **30** days, this Change Request will be assumed to meet your approval.

<input type="checkbox"/> Approval	<input type="checkbox"/> Disapproval	<input type="checkbox"/> Conditional Approval: _____.
Date: _____	Dept. name: _____	Person in charge: _____.

Follow-up and Tracing:

A. copies to

FAB: Integration _____ _____ _____ _____ _____.

Test / Product: _____ _____ _____ _____ _____.

Design/ Marketing: _____ _____ _____ _____ _____.

Production control/ Others: _____ _____ _____ _____ _____.

B. Changes:

1. Document / Test program:

Document No/ test program	Document name/ test program name	Version		Responsible	Completed date	Remark
		before	after			
NA	NA	NA	NA	NA	NA	NA

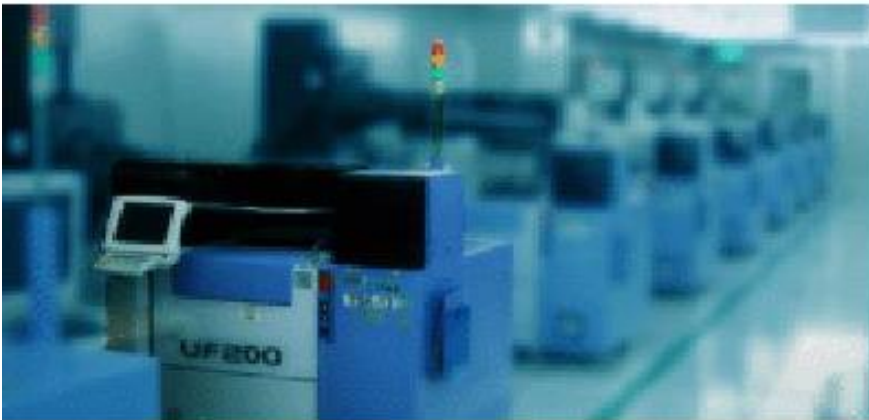
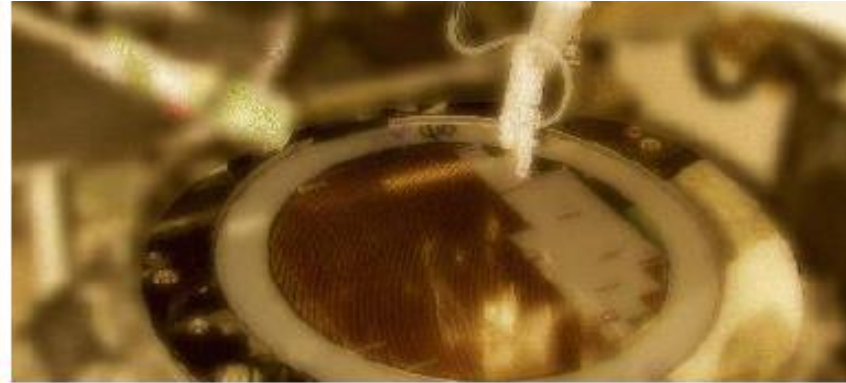
Verified by: _____.

Table I: Affected parts list

Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
AP1818	IL1201UD40	N572F0722162	N572P0724K05	N79E815AT20	NUC120LC1DN
AP1819	IL1201WC40	N572F0722650	N572P0724V01	N79E815AT28	NUC120LD2DN
ARHA8000	IU6306	N572F0722K01	N572P0724V02	N79E8432ASG	NUC120LD3DN
ARHA8010	IU6308	N572F0723600	N572P0724V03	N79E844AWG	NUC120LE3DN
ARHA8012	JN32D01	N572F0723650	N572P0724V04	N79E845AWG	NUC120RC1DN
ARHA8014	JULI001	N572F0723651	N572P0724V05	N79E854AWG	NUC120RD2DN
AU9110LF3AN	KR-SYSTEMS	N572F0723750	N572P0724V06	N79E855ASG	NUC120RD3DN
BD001	L6599D	N572F0723K01	N572P0724V07	N79E855AWG	NUC120RE3DN
BT001	LCET715	N572F0723K02	N572P0724VA1	N79E855AZG	NUC120VE3DN
CHT517	LM5114AS20	N572F0724700	N572P0725251	N79RC00	NUC122LC1AN
CM32VR60	LM5115AT20	N572F0724K01	N572P0725600	N79RC01	NUC122LD2AN
CN1221	M0516LBN	N572F0724T01	N572P0725651	N79RC16	NUC122SC1AN
CN2-Q20	M0516LDN	N572F0724T02	N572P0725C50	NCT9602D	NUC122SD2AN
CN2-S20	M0516ZBN	N572F0725600	N572P0725C51	NCT9603D	NUC122ZC1AN
CN2-T20	M0516ZDN	N572F0725D01	N572P0725C55	NCT9613D	NUC122ZD2AN
CN3-T28	M0517LBN	N572F0725K01	N572P0725D01	NEP72F072G	NUC123LC2AN1
E32	M052LBN	N572F0725K02	N572P0725V01	NM05716LDN	NUC123LD4AN0
G2	M052LDN	N572F0725K03	N572P0725V02	NM0572LDN	NUC123SC2AN1
GW9618-BG	M052ZBN	N572F0725K05	N572P0725V03	NOVA001	NUC123SD4AN0
HB898A	M052ZDN	N572F0725K08	N572P0725V04	NT0660AS16	NUC123ZC2AN1
HBS001	M054LBN	N572F0725K09	N572P0725V05	NT066EAS20	NUC123ZD4AN0
HL018	M054LDN	N572F0725K10	N572P0725V06	NT066EAT20	NUC12SRE3DN
HL058LBN	M054ZBN	N572F0725T01	N572P0726570	NT084DAS28	NUC200LC2AN
HL058LCN	M054ZDN	N572F0725T02	N572P0726571	NT084DAT28	NUC200LD2AN
HL058ZBN	M058LBN	N572F0725T03	N572P0726572	NT0880AS20	NUC200LE3AN

Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
HV800	M058LBN-1	N572F0726E01	N572P0726C51	NT0880AT20	NUC200SC2AN
I2110SYI	M058LBN-2	N572F0726E02	N572P0726V01	NT1080AT20	NUC200SD2AN
I2110YYI	M058LDN	N572F0726K01	N572P0726V02	NT1160AT20	NUC200SE3AN
I2115ASYI	M058ZBN	N572F0726K02	N572P0726V03	NTLG26115A	NUC200VE3AN
I2115AYYI	M058ZDN	N572F0726K03	N572P0726V04	NUC029LAN	NUC220LC2AN
I2115AYYIR	M058ZHC	N572F0726K04	N572P0726V05	NUC029TAN	NUC220LD2AN
I2130SYI	M2VQN000	N572F0726K05	N572P072G	NUC029ZAN	NUC220LE3AN
I2130SYIR	M712	N572F0726K06	N572V172G	NUC100LC1DN	NUC220SC2AN
I2130YYI	MH8001S28	N572F0726K07	N575C145	NUC100LD1DN	NUC220SE3AN
I2130YYIR	MH8001S28ISP	N572F0726K08	N575C1456G30	NUC100LD2DN	NUC220VE3AN
I2230SYI	MINI51LAN	N572F0726K09	N575F145FI	NUC100LD3DN	NUC230LE3AN
I2260SYI	MINI51TAN	N572F0726K10	N79A8211AS20	NUC100LE3DN	NVS06A
I2360SYI	MINI51ZAN	N572F072G	N79E714AS20	NUC100RC1DN	PT12-4
I2360W	MINI52LAN	N572F072L48G	N79E715AS16	NUC100RD1DN	RF8D-2G4S
I2360YYI	MINI52LBN	N572P072	N79E715AS20	NUC100RD2DN	SG058LBN-1
I9130FI	MINI52TAN	N572P0723650	N79E715AS28	NUC100RD3DN	SG058LBN-2
I9160CFI	MINI52TBN	N572P0723652	N79E715AT20	NUC100RE3DN	SG058LBN-3
I9160FI	MINI52ZAN	N572P0724700	N79E715AT28	NUC100SD2DN	SGM1988
I9160FIMS01	MINI54LAN	N572P0724701	N79E8132AS16	NUC100VD2DN	SLC2043G
I9160FIMS02	MINI54TAN	N572P0724750	N79E814AS20	NUC100VE3DN	SMOK
I9160FIMS03	MINI54ZAN	N572P0724751	N79E814AS28	NUC102ZD2AN	SR100
I9160FIMS05	MMT-006	N572P0724753	N79E814AT20	NUC103LD4AN0	SR101
I9160VFI	MP001	N572P0724D01	N79E814AT28	NUC103ZD4AN0	V-POWER3
I9160W	N572C072	N572P0724D02	N79E815AS20	NUC105LD4AN0	YL1201UD40
I9160YI	N572C0726K01	N572P0724K01	N79E815AS28	NUC105ZD4AN0	ZP123SD4AN0W
IL1201UC40	N572F072	N572P0724K04			

Appendix A: Testing equipment verification and correlation report at Tong-Luo factory.



**TL Factory –Qual. Result
(FA/FB serial)**

Industry Benchmark

- IC Test Service
- Burn-In service
- Tape & Reel
- Wafer Grinding & Dicing
- Turnkey Operation





- Purpose:

 - Qualification of testing at Tong-Luo building.

- Tester information:

 - Tester Vendor: Advantest

 - Tester Moudle: T5335P

 - Prober Type: TSK & TEL

- Qualification condition:














 - Test Temperature: 85°C (High Temperature)

- Qualification Result:

 - Pass all of device as next page.



TL Factory –Qual. FA/FB serial Result

序數	客戶名稱	產品型號	Flow	Release Form by Tester	Remark
1	ISSI-CAYMAN	FA8239	CP1/CP2	 	M4593, M3982, M5076, M3983, M4985, M4172 also released
2		FB8243	CP1/CP2		FA8243 and FA8242 also released.
3		FA8241	CP1/CP2	 	FA8254 also released
4		FA8246	CP1/CP2	 	FA8242 also released
5		FA8234	CP1/CP2	  	FA8226 also released
6		FA8235	CP1/CP2		FB8235 also released
7		FA8236	CP1/CP2	 	FA8235, FB8235, FA8242 also releases



KYEC
The Key to Your Success

W/S Tester/Accessory/Program Release Form

By Tester

By Accessory

By Program

Release Date: 2016/07/04

Serial No.:

Customer:	ISSI-CAYMAN
Device:	F1B 8243
Tester No.:	359008A/B
Accessory:	H.A
Release Flow:	CP1, CP2
Program:	P9W05A0B.PRO
Test Temperature:	85C

Correlation Data

Comparison Summary

Flow	Lot No.	Wafer ID	Original Dice	Correlation Dice	Deviation Count	Deviation %	Limitation	Note
執行結果/Flow	執行結果/客批	執行結果/刻號	執行結果/原始 PassDie	執行結果/CorrPassDie	執行結果/誤差值	執行結果/誤差率	執行結果/Corr SPEC	
1	2433B042-C1	#04, #04	N.A	4499/4500	N.A	N.A	PASS	Yuelin judge result pass

Summary Category

	Natural Good Die	Repair Die	Function Fail	DC Fail	Other
T1	執行結果 Summary (T1-Natural Good Die)	執行結果 Summary (T1-Repair Die)	執行結果 Summary (T1-Function)	執行結果 Summary (T1-DC Fail)	執行結果 Summary (T1-Other)
T2	執行結果 Summary (T2-Natural Good Die)	執行結果 Summary (T2-Repair Die)	執行結果 Summary (T2-Function)	執行結果 Summary (T2-DC Fail)	執行結果 Summary (T2-Other)

Map Bin to Bin Diff.

Original Bin		Natural		Repair		Fail Bin	
Correlation Bin		Others(Expect Nature)		Others(Expect Repair)		Nature & Repair	
Flow	Lot No.	Wafer ID	Die		Die		Die
		執行工程師: 張亦鳴		日期: 2016/08/10			
		確認工程師: 張亦鳴		日期: 2016/08/10			

備註

F1A8243, F1A8242 also release by Yuelin.

會簽單位

<input checked="" type="checkbox"/> 客戶會簽 / Date (Customer / Date)	張亦鳴(代)	<input checked="" type="checkbox"/> 單位主管 / Date (Unit leader / Date)	鄧文威
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保存期限: 5年

Form No.: FWB100701 Rev.: G



KYEC
Korea Yonsei Electronics Co., Ltd.

W/S Tester/Accessory/Program Release Form

By Tester
 By Accessory
 By Program

Release Date: 2016/7/17

Serial No.:

Customer:	ISSI-CAYMAN
Device:	FA8234
Tester No.:	35P002A/B
Accessory:	N.A.
Release Flow:	CP1, CP2
Program:	P2809A0B-PRO
Test Temperature:	85C

Correlation Data

Comparison Summary

Flow	Lot No.	Wafer ID	Original Dice	Correlation Dice	Deviation Count	Deviation %	Limitation	Note
執行結果 / Flow	執行結果/客批	執行結果/刻號	執行結果/原始 PassDie	執行結果 /CorrPassDie	執行結果/誤差值	執行結果/誤差率	執行結果 /Corr SPEC	
1	2510033-C	#17, #17	N.A.	1884/1883	N.A.	N.A.	Pass	YueLin judge pass

Summary Category

	Natural Good Die	Repair Die	Function Fail	DC Fail	Other
T1	執行結果 Summary (T1-Natural Good Die)	執行結果 Summary (T1-Repair Die)	執行結果 Summary (T1-Function)	執行結果 Summary (T1-DC Fail)	執行結果 Summary (T1-Other)
T2	執行結果 Summary (T2-Natural Good Die)	執行結果 Summary (T2-Repair Die)	執行結果 Summary (T2-Function)	執行結果 Summary (T2-DC Fail)	執行結果 Summary (T2-Other)

Map Bin to Bin Diff.

Original Bin			Natural	Repair	Fail Bin
Correlation Bin			Others(Expect Nature)	Others(Expect Repair)	Nature & Repair
Flow	Lot No.	Wafer ID	Die	Die	Die

執行工程師: 張亦鳴
 確認工程師: 張亦鳴
 日期: 2016/08/10
 日期: 2016/08/10
 備註

FA8226 also release by YueLin

會簽單位

<input checked="" type="checkbox"/> 客戶會簽 / Date (Customer / Date)	張亦鳴(代)	<input checked="" type="checkbox"/> 單位主管 / Date (Unit leader / Date)	邱文威
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保存期限: 5年

Form No.: FWB100701 Rev.: G

