

## Product / Process Change Notice

PCN No.: Q000-PCN-PA201411-02

Date: 2014-12-02

**Change Title:** Change tube dimensions for TSSOP 173mil package series products.

Change Classification:  Major  Minor

Change item:  Design  Raw Material  Wafer FAB  Package Assembly  Testing  Others

**Affected Product(s) :**

All Nuvoton's TSSOP 173mil package series products are affected and the affected products list, please refer to Table 1 for more information.

**Description of Change(s) :**

To optimize tube dimensions for TSSOP 173mil package series products.

**Reason for Change(s) :**

To improve package jam issue in tube due to nature limitation of physical concern during outgoing final test(FT).

**Impact of Change(s) : ( positive & negative )**

Form: Change the tube from bump type to flat type, please refer to Fig. 1~3 for more information.

Fit: Change the tube from bump type to flat type, please refer to Fig. 1~3 for more information. .

Function: No change.

Reliability: No impact.

**Qualification Plan/ Results :**

No product quality qualification is required and the change made only to the appearance and dimensions of tube.

**Implementation Plan :**

The goods with new tube will be shipped to customer effectively from Mar. 01, 2015. As to the goods with old tube, they will keep on shipping till the inventory has been depleted.

Date Code: \_\_\_\_\_ onward  Lot No.: \_\_\_\_\_ onward  Implemented date: Mar. 01, 2015.

**Originator:**

HYLai / Q100

**Approval:(QRA Director)**

C.C. Chen/ Q000

**Contact for Questions & Concerns**

Name: HYLai TEL: 886-3-5770066 (ext. 1226) FAX: 886-3-5792673.

Address: No.4, Creation Rd. III Science-Based Industrial Park Hsinchu, Taiwan, R.O.C. .

E-mail: hylai0@nuvoton.com.

**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:

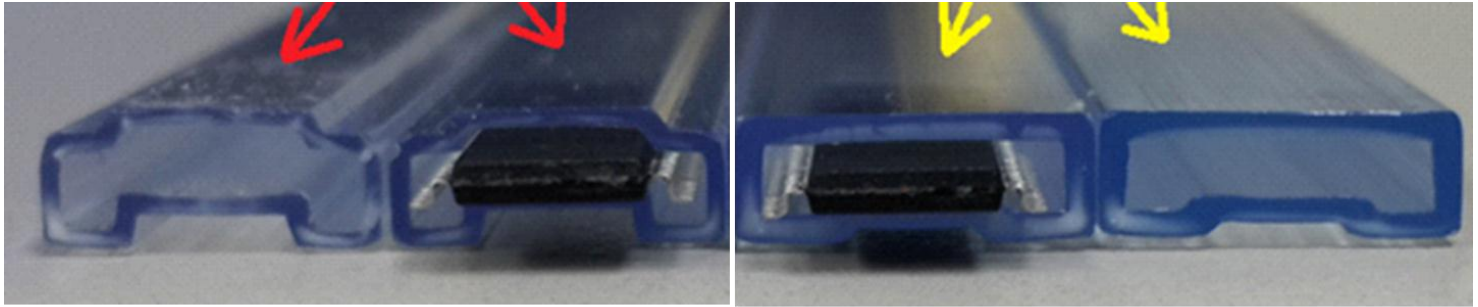
Document No/ test program	Document name/ test program name	version		responsibor	Completed date	Remark
		before	after			
N/A	N/A	N/A	N/A	N/A	NA	

Verified by: \_\_\_\_\_.

**Table 1. Affected products lists:**

Part no.	Part no.
NAU8402WG	NAU8223WG
NAU8220WG	MINI51FDE
N79E844AWG	W6810IWG
N79E845AWG	W681512WG
N79E854AWG	W681310WG
N79E855AWG	W681360WG

Fig 1. The appearance of tube between old and new tube.



Old : bump type

New : flat type

Fig 2. The dimensions of old tube.

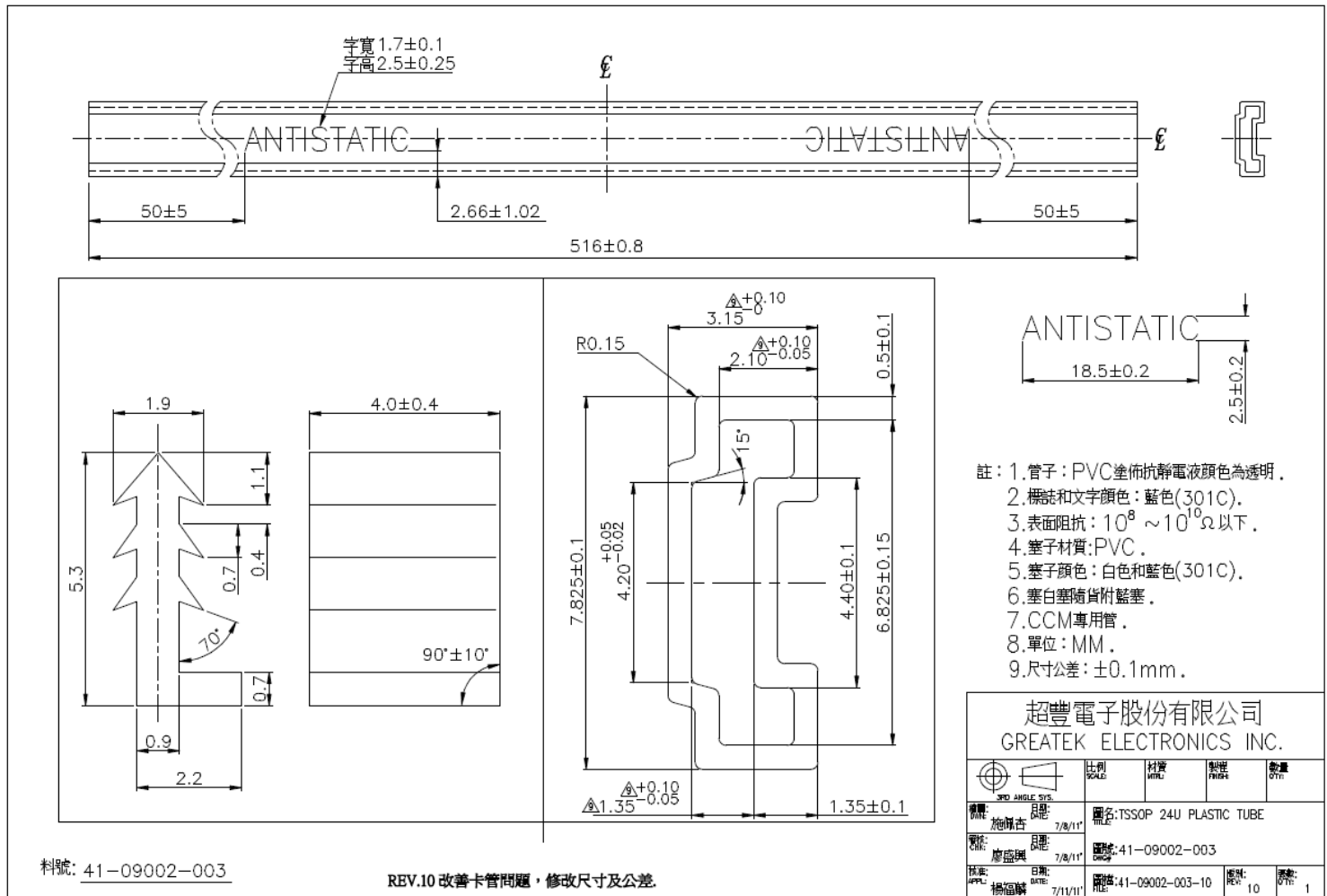
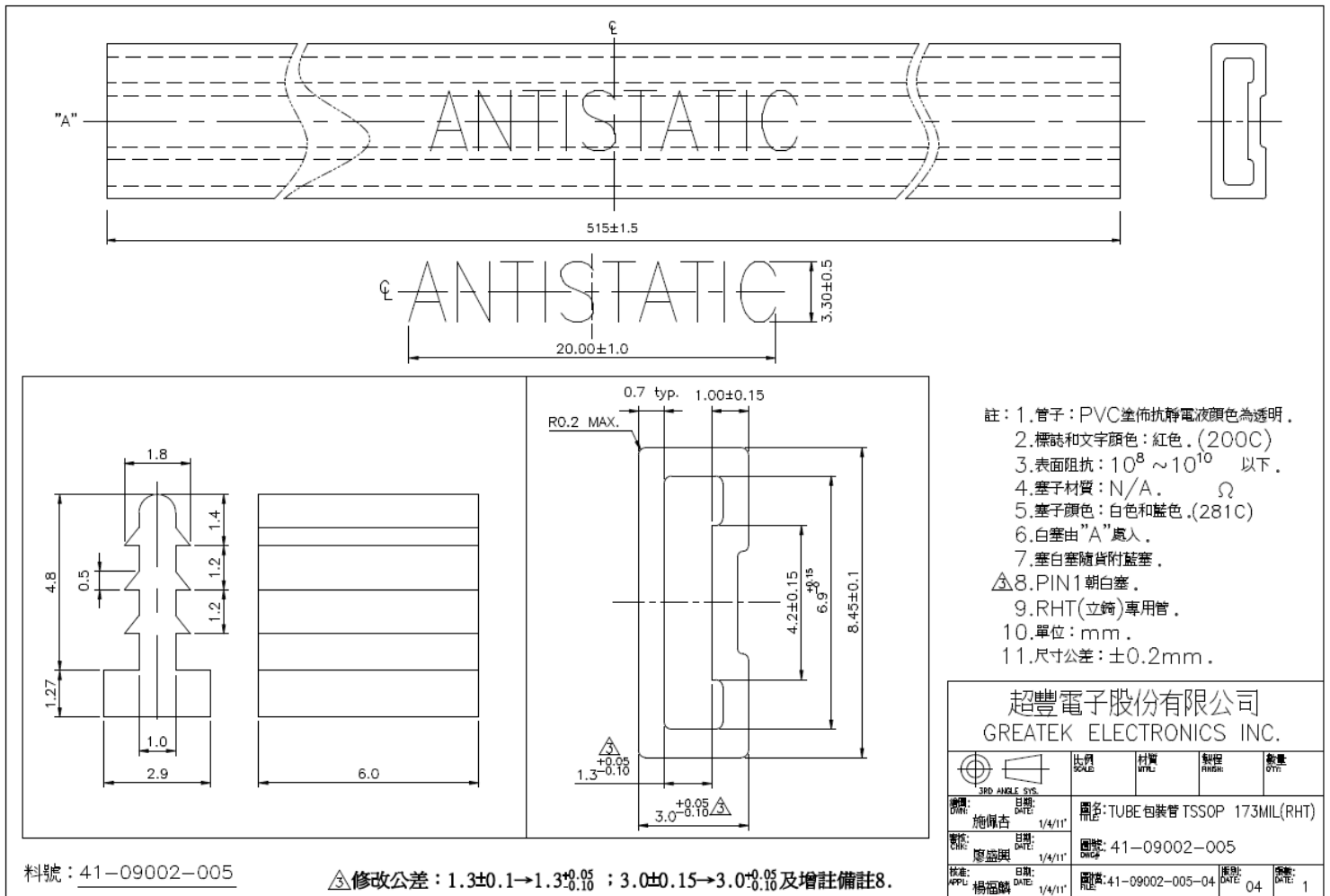


Fig 3. The dimensions of new tube.



- 註：1.管子：PVC塗佈抗靜電液顏色為透明。
- 2.標註和文字顏色：紅色。(200C)
- 3.表面阻抗： $10^8 \sim 10^{10}$  以下。
- 4.塞子材質：N/A。
- 5.塞子顏色：白色和藍色。(281C)
- 6.白塞由“A”處入。
- 7.塞白塞隨貨附藍塞。
8. PIN1 朝白塞。
9. RHT(立錫)專用管。
10. 單位：mm。
11. 尺寸公差：±0.2mm。