

IloT Product Change Notice

The change(s) will be applied on the affected products, if you need more information or special support, please contact the responsible PM of each product line.

1. Reason for the Change:

The current Audio IC 'ALC892-GR/CG' (Advantech P/N: 1410020328/1410020328-11) is out of production and the chip vendor Realtek stops supplying the component instantly at very short notice to Advantech.

This critical issue stems from the production capacities of wafer having been running short of demands worldwide in the industry, leading to Realtek's incapability of fulfilling the quantities of wafer required to produce the current Audio IC employed on TPC products.

As a result, 'ALC888S-VD2-GR' (Advantech PN: 1410021134) is to be added as a 2nd source to the original component instantly as a timely response, so to avoid the TPC products listed in this notice being unable to go into production.

- **All-in-One TPC/Modular series TPC**

Current Component	New Component (2 nd Source)
1410020328-11	1410021134

- **SPC-2140/1840, TPC-8100**

Current Component	New Component (2 nd Source)
1410020328/ 1410020328-11	No demands for audio out, to remove the Audio IC.

2. Affected Product:

- **All-in-One TPC:**

TPC-300 series, TPC-1x82, TPC-1273, TPC-xx81WP series and all related TPNs.

- **Modular Series TPC:**

TPC-B510, TPC-B500, TPC-B200, TPC-5xx2, TPC-2xx1 series and all related TPNs.

- **Other TPC/SPC:**

SPC-2140/1840, TPC-8100 and all related TPNs.

3. Impact on Application:

Item	Impact
Impact on Mechanical Design	No
Impact on Software Compatibility	No
Impact on Environment Characteristics	No
Impact on System Certifications	No
Physical Outlook Change	No
Ordering P/N Change	No
Cut-in Implement	Cut-in 4
BIOS Change	Yes

4. Description, Implementation & Schedule of the Change(s):

● All-in-One TPC

Affected Models	Current Component	New Component	ECOM Number	Estimated Effective Date	Cut-in Implementation	Change Description
TPC-300 series	1410020328-11	1410021134	ECOM-170496	1/E, 2021.	Cut-in 4	2nd Source added.
TPC-1282	1410020328-11	1410021134	ECOM-170531	1/E, 2021.	Cut-in 4	2nd Source added.
TPC-1x82 series	1410020328-11	1410021134	ECOM-170532	1/E, 2021.	Cut-in 4	2nd Source added.
TPC-1273	1410020328-11	1410021134	ECOM-170531	1/E, 2021.	Cut-in 4	2nd Source added.
TPC-xx81WP series	1410020328-11	1410021134	ECOM-170532	1/E, 2021.	Cut-in 4	2nd Source added.
TPC-1881WPH	1410020328-11	1410021134	ECOM-171019	1/E, 2021.	Cut-in 4	2nd Source added.

● Modular series TPC

Affected Models	Current Component	New Component	ECOM Number	Estimated Effective Date	Cut-in Implementation	Change Description
TPC-B510 series	1410020328-11	1410021134	ECOM-170496	1/E, 2021.	Cut-in 4	2nd Source added.
TPC-B500 series	1410020328-11	1410021134	ECOM-170460	1/E, 2021.	Cut-in 4	2nd Source added.
TPC-B200 series	1410020328-11	1410021134	ECOM-170459	1/E, 2021.	Cut-in 4	2nd Source added.
TPC-5xx2 series	1410020328-11	1410021134	ECOM-170460	1/E, 2021.	Cut-in 4	2nd Source added.
TPC-2xx1 series	1410020328-11	1410021134	ECOM-170459	1/E, 2021.	Cut-in 4	2nd Source added.

● Other TPC/SPC

Affected Models	Current Component	New Component	ECOM Number	Estimated Effective Date	Cut-in Implementation	Change Description
SPC-2140/1840	1410020328/ 1410020328-11	N/A.	ECOM-170530	1/E, 2021.	Cut-in 4	Remove Audio IC.
TPC-8100	1410020328	N/A.	ECOM-171248	1/E, 2021.	Cut-in 4	Remove Audio IC.

5. Image Comparison

● Product Appearance:

Not affecting the appearance of the products listed in this notice.

● Component Appearance:

Appearance**Current Audio IC**

ALC892-GR



ALC892-CG

**New Audio IC**

ALC888S-VD2-GR

**Contact Windows**

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