



Debug Investigation Report

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Product information:

Model	ALC3H-8DG63041ACND/ALC3H-8DG63041ABND
Description	PBA, C L AMP, AM4, NO LAN, NO

Component information:

Part Number	ALC3-1AB408490003
Description	IC_EN6337QI_SWIT REG_MODULE_1-
Manufacturer	ARROW ASIA DISTRIBUTION GBR
MPN	EN6337QI

Test result:

Failure stage	Functional Test/Final System Test
Failure rate	8,08%

Error message: Missing output voltage

Description:

These components are failing, on our products, across the temperature range -5°C ÷ $+50^{\circ}\text{C}$, because the 3V3 voltage is not present on the output.

The reason for this failure is an internal shortage on the output of this power supply.

A defective component, removed for our boards, has a low impedance between Vout and GND, of only ~400 Ohm, instead of ~4.9 MOhms (measured on a good component).

Conclusion: These 20 components are defective and will be sent to supplier for analyze.