

Re: [REDACTED]

Raquel Supangan to Jeremy R Bettge

08/22/2011 01:18 PM

From: Raquel Supangan <[REDACTED]@fairchildsemi.com>

To: Jeremy R Bettge <[REDACTED]@raytheon.com>

Hi Jeremy,

See below inputs i sent to Michael:

1. The top mark datecode on the units is F N548

Supposedly, this datecode mark would be translated to F = logo; N = assembly / test site code, 5 = year 2005, 48 = Workweek 48 (around end of November or 1st week of December)

However, when i checked this against shipment history and the record of when we obsoleted the part, my assessment is that these parts are suspicious, for the following reasons:

a. This [REDACTED] device was obsoleted in mid-2004.

In the shipment history, the last shipment we made for this part is of 2004 builds only. There were no shipment records of 2005 year builds.

b. We created a leadfree version that was [REDACTED] and also created a leaded part number [REDACTED] during the transition to leadfree, and both part numbers were obsoleted May 2005. However, there are no shipment records of [REDACTED] and no records of [REDACTED] for 2005 builds.

c. The surface of the top package appears whitish/grainy, which reminds me of previous cases of counterfeit parts that had the top package re-surfaced and re-marked.

You may be able to compare this better since you have the units on hand, by checking out the top vs bottom package surface, if they have a noticeable difference in the surface finish of the molding compound.

2. The labels you forwarded are not the Fairchild labels, so i can't get more information out of those.

3. The tube photos seem to show an F logo but again, due to the questionable top mark, there is also a question on how these tubes were obtained (could be recycled?)

Based on the available information, i would say that the origin of these parts are questionable.

best regards,
Rocky

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*NOTE: Fairchild also noted in a phone conversation that parts that have made the conversion to Pb-free have the digit for the the year in the date code replaced with a letter that represents the year. XRF