

April 28, 2005



Dear Customer:

Aeroflex Colorado Springs (Aeroflex) appreciates your interest and use of our products, specifically the 5-volt MIL-STD-1553 Bus Transceivers. This letter provides you with a status update (from our December 20, 2004 letter) for Aeroflex's UT63M147 MIL-STD-1553A/B Bus Transceiver (Standard Microcircuit Drawing 5962-93226) migration to a new wafer fabrication facility. Additionally, Table 1 lists all Aeroflex products, including 1553 multi-chip module products that are affected by the migration of the UT63M147. Because the migrated UT63M147 is designed to be form, fit, and functionally compatible to the original transceiver, Aeroflex does not intend to change the SMD device type for any product affected by the transceiver replacement.

In the previous customer notification letter, Aeroflex advised that the UT63M145 MIL-STD-1760 Bus Transceiver (Standard Microcircuit Drawing 5962-93226) would not be migrated along with the UT63M147. As of April 4, 2005, deliveries of the UT63M145 have ceased.

Just as a reminder, the only specification difference between the UT63M147 and the UT63M145 is transformer-coupled output voltage bus swing:

- 18V-27V peak-peak, line-line for the UT63M147
- 22V-27V peak-peak, line-line for the UT63M145

Aeroflex will continue to offer the remaining UT63M147 die in a 24-lead flatpack (FP) and 36-pin dual-inline package (DIP) until qualification of the migrated version is complete. The die inventory for the UT63M147 is projected to expire in the 2Q05.

Aeroflex is in the second design pass for the migration of the UT63M147 MIL-STD-1553A/B Bus Transceiver. Stand-alone UT63M147 transceivers and S μ MMIT multi-mode modules, using the new UT63M147 transceiver, will begin shipping August 2005. The new 5V-volt transceiver is designed to be a direct replacement to the existing product currently in prototype, reduced high-reliability, QML-Q, and QML-V production. However, due to the wafer foundry and process change (Monolithic Bipolar to 0.6 μ m CMOS), differences in AC and DC electrical performance may be unavoidable. Aeroflex will keep you apprised of performance differences as they are identified via written notification and our web site (www.aeroflex.com/avionics).

Table 1 is a listing of all the Aeroflex Colorado Springs products affected by the transceiver migration.

Table 1. Cross Reference of the Affected Aeroflex Products

Generic Part Number	SMD Number	Device Type¹	Old PIC#:	New PIC#:
UT63M147	5962*93226	03	AC01A	JB01A
UT63M145	5962*93226	04	AC02A	Obsolete
UT69151-DXE	5962*94663	08	MM016B	MM016C
		11	MM023A	MM023B
			MM025A	MM025B
UT69151-XTE5	5962-94758	08	MM027A	MM027B
UT69151-XTE5	5962-94758	08	MM019E	MM019F
UT69151-RTE	5962-98587	01	MM022B	MM022C

PIC = Aeroflex Product Identification Code

Note:

1. Device types do not change with the migration

If you have any questions, please contact me at (719) 594-8252 or jordan@Aeroflex.com.

Regards,

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 Aeroflex Colorado Springs