

June 28, 2005



Dear Customer:

Aeroflex Colorado Springs (Aeroflex) appreciates your interest and use of our MIL-STD-1553 products, specifically the 5-volt MIL-STD-1553 Bus Transceivers and the S μ MMIT multi-chip modules that include these transceivers. This letter provides you with a status update (from our April, 2005 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 letters, 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. 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

As of June 03, 2005, the original inventory of UT63M147 die has been exhausted. Therefore, no products that are based on the UT63M147 can be shipped until the migrated version of the transceiver is qualified.

Revision C of the UT63M147 MIL-STD-1553A/B Bus Transceiver is scheduled to start wafer fabrication in early July 2005 on an expedited basis. Upon receipt of wafers, Aeroflex will expedite product qualification, 1553 validations testing, and product shipments. Aeroflex projects stand-alone UT63M147 transceivers and S μ MMIT multi-mode modules, using the new UT63M147 transceiver, to be available in September 2005. We expect to fulfill all current backlog orders by October 31, 2005.

Although the new 5V-volt transceiver is designed to be a direct replacement to the existing UT63M147 product, the wafer foundry and process change (Monolithic Bipolar to 0.6 μ m CMOS), may result in AC and DC electrical performance differences. Aeroflex will keep you apprised of any performance differences that 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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Director of Standard Products
Aeroflex Colorado Springs