

December 20, 2004



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 June 23, 2004 letter) for Aeroflex's UT63M147 MIL-STD-1553A/B Bus Transceiver (Standard Microcircuit Drawing 5962-93226) migration to a new wafer fabrication facility. Table 1 lists all Aeroflex 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 be migrated along with the UT63M147. However, due to low customer demand, Aeroflex is not migrating the UT63M145 (MIL-STD-1760) Bus Transceiver. **Aeroflex will accept orders for the UT63M145 until January 31, 2005, and delivery must occur by March 31, 2005. The inventory is being offered to customers on a "first come, first serve" basis.**

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 is in the second design pass for the migration of the UT63M147 MIL-STD-1553A/B Bus Transceiver. Production devices from the new facility will begin shipping June 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. 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).

Aeroflex will continue to offer the UT63M147 devices in a 24-lead flatpack (FP) and 28-pin dual-inline package (DIP) until qualification of the migrated version is complete. Aeroflex intends to use the same SMD number (5962-93226) for the migrated UT63M147. The die inventory for the UT63M147 is projected to expire within twelve (12) months.

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	MM016B
		11	MM023A	MM023B
			MM025A	MM025B
UT69151-XTE5	5962-94758	08	MM027A	MM027B
UT69151-RTE	5962-94758	08	MM019E	MM019F
	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,

Anthony F. Jordan
Director of Standard Products
Aeroflex Colorado Springs