

MEMO

TO: Jess McLean  
FROM: Rex Brown  
DATE: April 30, 1980

The LS124 part used in the Versafloppy II has a manufacturing defect which causes the Phase Lock Loop circuit to lock on the wrong edge of RCLK. In testing these parts, approximately 40% of the first batch worked well enough to be usable. All LS124's used in the Versafloppy II must be prescreened (kits as well as A&T).

The 74LS629 is an alternate part which will be respecified in the place of the LS124. I am waiting on the data sheet to write an ECN, however, the new part may be used if the following steps are taken:

1. Replace C33 with a 100 pf capacitor.
2. Vary the adjustment for the VCO input voltage to insure that the frequency versus voltage adjustment is monotonic.
3. Insure that the VCO input voltage at 2MHZ is  $2V \pm .6V$ .

  
(Signature)

RLB:kyh

cc: Dan Hammond  
Dave Brown  
Robert Montoya  
Kevin Bryan ✓