

# **Cosmac VIP-S version 1.0 Errata**

## **Video enhancement**

1. Replace R21 10K $\Omega$  resistor with 2.2K $\Omega$
2. Replace R23 1K $\Omega$  resistor with 0K $\Omega$  or wire link
3. Replace R24 1K $\Omega$  with 220 $\Omega$
4. Add to underside 10K  $\Omega$  between Q1 Base and Collector (+5v from wire link on R23)

## **Expansion DMA IN and DMA OUT**

1. On U10 1802 connect pin 37 (DMA OUT) to pin DMA OUT on Expansion connector
2. On U10 1802 connect pin 38 (DMA IN) to pin DMA IN on Expansion connector

## **Silkscreen for I/O reversed**