



## GS4882 PRODUCT PROPOSAL

T-77-07-05

**FEATURES**

- precision sync separation for composite or Y video
- will work with weak input signals in the presence of noise and jitter (such as VTR signals)
- horizontal rate flywheel oscillator
- sync gating for improved noise immunity
- adaptive stripping technique for 50% slicing level regardless of sync height or DC offset
- all major sync signals provided
- gating flags for back porch and for true burst
- odd/even field flag provided
- resistor-programmable horizontal scan rate (up to 130 kHz)
- 14 pin DIP or SOIC packaging
- minimum external components

**DESCRIPTION**

The GS4882 will be a precision video sync separator for use in any video application requiring correct sync separation regardless of the quality of input sync.

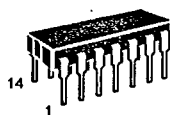
The device will contain a coarse sync stripper driving an adaptive sync separator, providing 50% sync slicing. The GS4882 will be designed to function with low or high signal levels and in the presence of noise and jitter.

Available outputs will include composite sync, horizontal sync, vertical sync, horizontal flywheel oscillator, back porch flag, true burst flag, and odd/even field indicator.

While device pinning is yet to be determined, the GS4882 will be offered in 14 pin DIP and 14 pin narrow SOIC.

**APPLICATIONS**

- Precision Video Sync Separation
- Genlock Circuits
- TBCs, Frame Synchronizers
- Switchers, Proc Amps, Digital Boxes, etc.



14 pin DIP



14 pin SOIC