



Figure 3.12 Schematic diagram A-ASIC D2301

**Channel Selector**

The channel selector selects channel A or channel B, depending on the level of the CHANA signal (input 13).

If CHA is "high" (> 3.5 V) channel A is selected.

If CHA is "low" (< 1.5 V) channel B is selected.

If a timebase speed faster than 20  $\mu$ s is selected, both channels are displayed in alternate mode and CHA is a square wave signal with a timebase-dependent frequency (see table 3.7). If a timebase speed slower than 50  $\mu$ s is selected, both channels are displayed in chopped mode. The CHA signal is a square wave signal with a trigger-dependent frequency of 500 kHz maximum.