Production Documentation for:

Project Name: WATCHMAN_6UVME
Board Name: WATCHMAN TARGETC VME 6U
IDL num: IDL_18_XX
Revision: A
Variant: [No Variations]
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Amplifier and Attenuation Stages

Changed the Feedback Loop -> AC coupled
Amp baseline is set to +4V/2

New power line is set to attenuator stages to turn on diodes, independent of amp

Amp baseline is set to +4V/2
Changed the Feedback Loop -> AC coupled
LT1963A has a 1.5A supply current

For 8 Comparators (each comparator max 50mA max)
1.5Amps Max Current
2.7V Regulator

For 2 TARGETC
1.5Amps Max Current
2.5V Regulator (100mA)

For Multiplex 8 banks
1.5Amps Max Current
2.5V Regulator (100mA)

LT1983A has a 1.5A supply current
Each LMBH629 has a supply current of 18.2mA max x 8 = 145.6mA
LTC6252 =3.5mA current x 2 = 7mA
Total current draw for 10 Amps = 152.6mA

For 8 Amplifiers
1.5A Output current

For Analog supply for ADC
1.5Amps Max Current
1.8V Regulator (200mA)

For Digital supply for ADC
1.5Amps Max Current
1.8V Regulator (200mA)
Inverting Summing Amplifier

Unity Gain

Adds 4 Inputs from the Amplifier Stage

Inputs and Output is AC coupled

Balun Transformer with Center Tap is used for Single to Differential Pair Output