Mezz-Lite Threshold Circuit
ASD-Lite Discriminator Circuit

- ASD AC-coupled to discriminator
- Threshold applied externally as two DC voltages
- VT1 and VT2 correspond to test points on Mezz-Lite:
  - VT1: JP1 pin 2
  - VT2: JP1 pin 4
Mezz-Lite Threshold Circuit Analysis

VT2 > VT1
Trigger on NEGATIVE-going ASD inputs (normal)

DAC=0
550mV max Threshold

DAC=128
60mV threshold “STANDARD”

DAC=255

VT2 > VT1
Trigger on POSITIVE-going ASD inputs (not normal)
Mezz-Lite Threshold Circuit
4x6 Rev 1.1 PC board

DAC Output:
0 = 0V
128 = 1.65V
255 = 3.3V

VT2
VT1