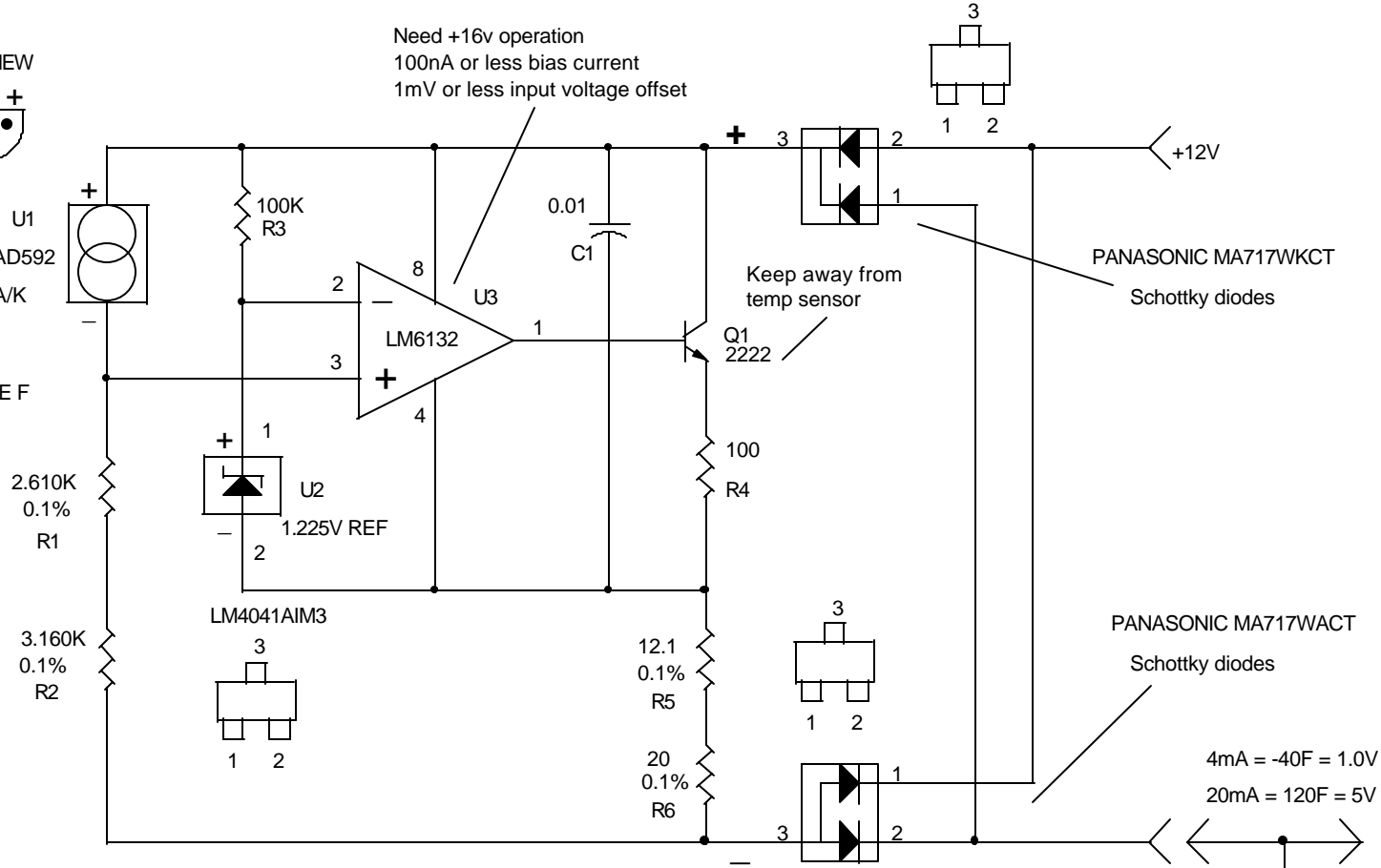


TOP VIEW

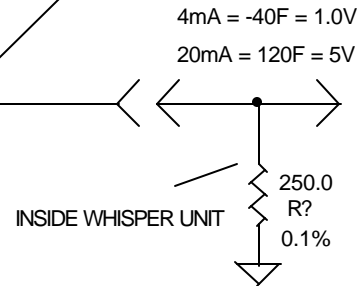


233uA @ -40F
 322uA @ +120F
 CHANGE = 89uA/160F
 SLOPE = 0.556uA PER DEGREE F



-40F = -40C = 233K
 70F = 21C = 294K
 120F = 48.89C = 322K

ASSUMING -40F - +120F SPAN (160F CHANGE)
 NEEDED SCALE FACTOR = 16mA FOR 160F = 100uA/F
 NEEDED RATIO = 100uA : 0.556uA = 179.86 : 1.00



DRAWN BY: DAVE JOHNSON

4mA TO 20mA CURRENT LOOP TEMPERATURE SENSOR

-40F - +120F RANGE

DAVID JOHNSON AND ASSOCIATES		
4MA - 20MA CURRENT LOOP TEMPERATURE SENSOR		
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