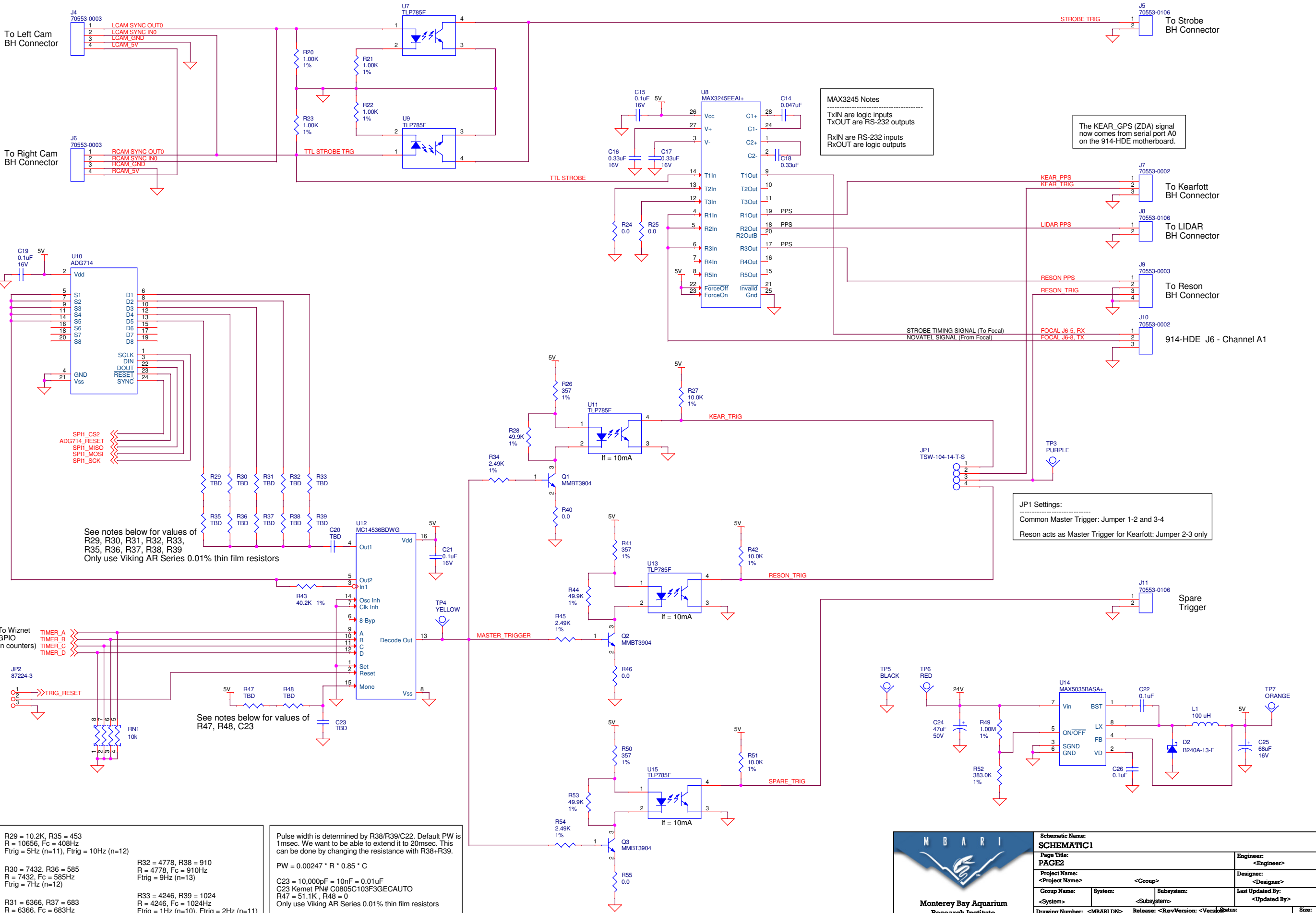




MAX3245 Notes
TxIN are logic inputs
TxOUT are RS-232 outputs
RxIN are RS-232 inputs
RxOUT are logic outputs

The KEAR_GPS (ZDA) signal
now comes from serial port A0
on the 914-HDE motherboard.

JP1 Settings:
Common Master Trigger: Jumper 1-2 and 3-4
Reson acts as Master Trigger for Keirfott: Jumper 2-3 only

R29 = 10.2K, R35 = 453
R = 10656, Fc = 408Hz
Ftrig = 5Hz (n=11), Ftrig = 10Hz (n=12)

R30 = 7432, R36 = 585
R = 7432, Fc = 585Hz
Ftrig = 7Hz (n=12)

R31 = 6366, R37 = 683
R = 6366, Fc = 683Hz
Ftrig = 3Hz (n=11), Ftrig = 6Hz (n=12)

R32 = 4778, R38 = 910
R = 4778, Fc = 910Hz
Ftrig = 9Hz (n=13)

R33 = 4246, R39 = 1024
R = 4246, Fc = 1024Hz
Ftrig = 1Hz (n=10), Ftrig = 2Hz (n=11)
Ftrig = 4Hz (n=12), Ftrig = 8Hz (n=13)

Pulse width is determined by R38/R39/C22. Default PW is 1msec. We want to be able to extend it to 20msec. This can be done by changing the resistance with R38+R39.

PW = 0.00247 * R * 0.85 * C

C23 = 10,000pF = 10nF = 0.01uF
C23 Kemet PN# C0805C103F3GECAUTO
R47 = 51.1K, R48 = 0
Only use Viking AR Series 0.01% thin film resistors



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