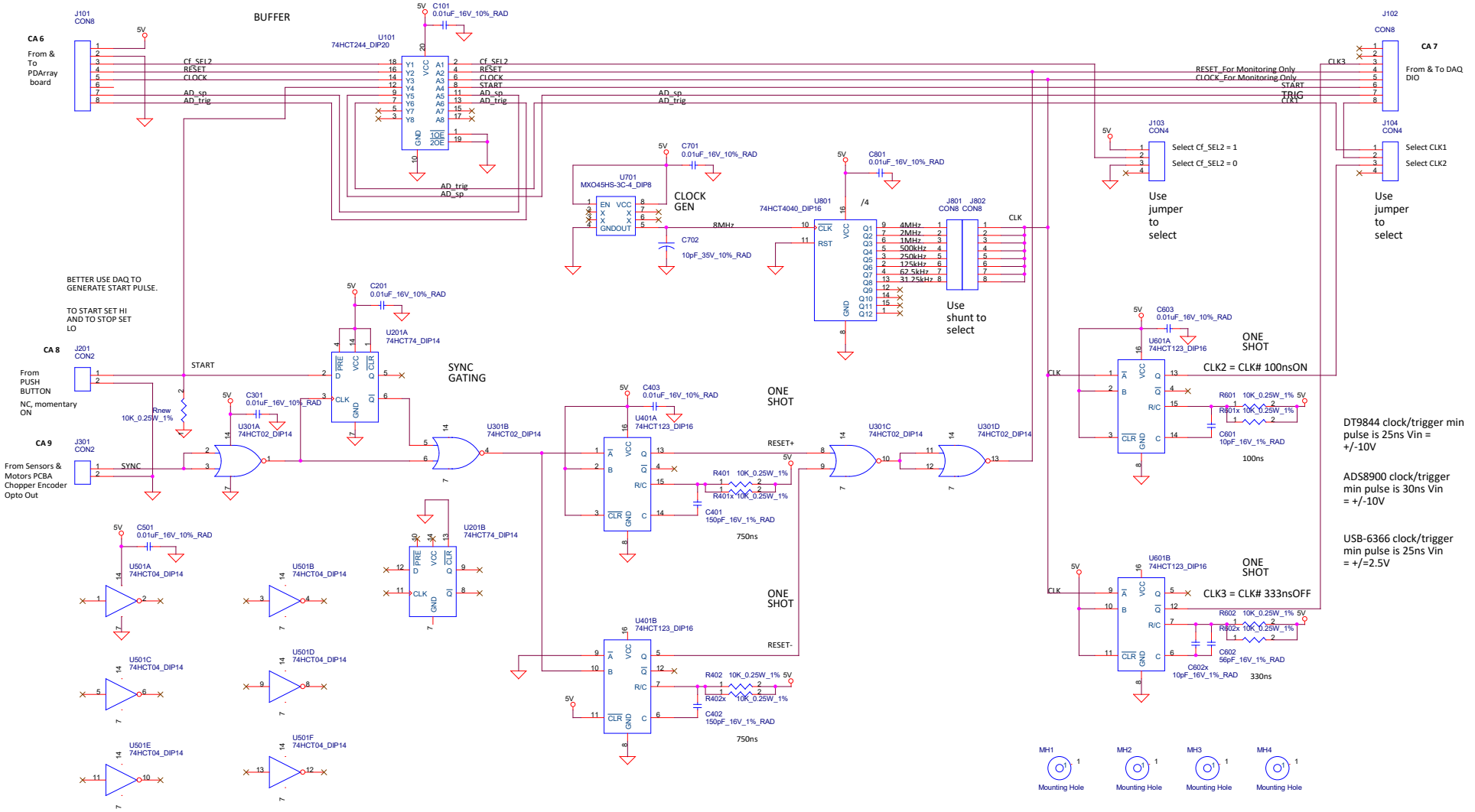
BUFFER
CA 6
From & To PDArray board
CA 7
From & To DAQ DIO
CA 8
From PUSH BUTTON
NC, momentary ON
CA 9
From Sensors & Motors PCBA Chopper Encoder Opto Out
BETTER USE DAQ TO GENERATE START PULSE.
TO START SET HI AND TO STOP SET LO
START
SYNC
SYNC GATING
CLOCK GEN
8MHz
4MHz
2MHz
1MHz
500kHz
250kHz
125kHz
62.5kHz
31.25kHz
Use shunt to select
Select Cf_SEL2 = 1
Select Cf_SEL2 = 0
Use jumper to select
Select CLK1
Select CLK2
ONE SHOT
CLK2 = CLK# 100nsON
CLK3 = CLK# 333nsOFF
100ns
750ns
330ns
DT9844 clock/trigger min pulse is 25ns Vin = +/-10V
ADS8900 clock/trigger min pulse is 30ns Vin = +/-10V
USB-6366 clock/trigger min pulse is 25ns Vin = +/=2.5V
Mounting Hole
RP_PDArray Digital v1r5 - M.Pitsakis
Sunday, February 26, 2023