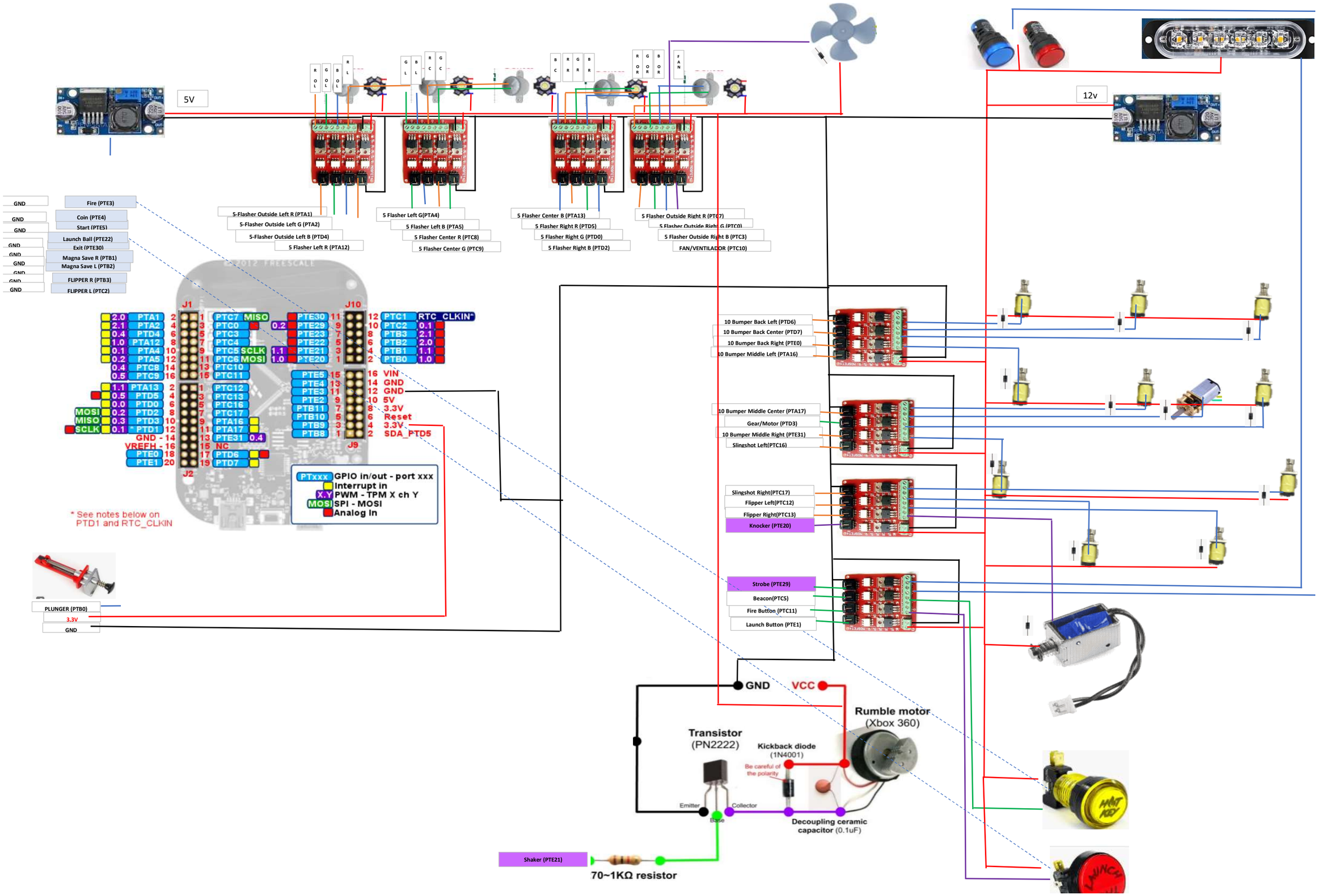
5V
12v
GND
Fire (PTE3)
Coin (PTE4)
Start (PTE5)
Launch Ball (PTE22)
Exit (PTE30)
Magna Save R (PTB1)
Magna Save L (PTB2)
FLIPPER R (PTB3)
FLIPPER L (PTC2)
5-Flasher Outside Left R (PTA1)
5-Flasher Outside Left G (PTA2)
5-Flasher Outside Left B (PTD4)
5 Flasher Left R (PTA12)
5 Flasher Left G(PTA4)
5 Flasher Left B (PTA5)
5 Flasher Center R (PTC8)
5 Flasher Center G (PTC9)
5 Flasher Center B (PTA13)
5 Flasher Right R (PTD5)
5 Flasher Right G (PTD0)
5 Flasher Right B (PTD2)
5 Flasher Outside Right R (PTC7)
5 Flasher Outside Right G (PTC0)
5 Flasher Outside Right B (PTC3)
FAN/VENTILADOR (PTC10)
J1
J2
J9
J10
PTA1 2.0
PTA2 2.1
PTD4 0.4
PTA12 1.0
PTA4 0.1
PTA5 0.2
PTC8 0.4
PTC9 0.5
PTA13 1.1
PTD5 0.5
PTD0 0.0
PTD2 0.2 MOSI
PTD3 0.3 MISO
PTD1 0.1 SCLK
GND - 14
VREFH - 16
PTE0 18
PTE1 20
PTC7 MISO
PTC0 0.2
PTC3
PTC4
PTC5 SCLK 1.1
PTC6 MOSI 1.0
PTC10
PTC11
PTC12
PTC13
PTC16
PTC17
PTA16
PTA17
PTE31 0.4
NC
PTD6
PTD7
PTE30 11
PTE29 9
PTE23 7
PTE22 5
PTE21 3
PTE20 1
PTE5 15
PTE4 13
PTE3 11
PTE2 9
PTB11 7
PTB10 5
PTB9 3
PTB8 1
PTC1 RTC_CLKIN*
PTC2 0.1
PTB3 2.1
PTB2 2.0
PTB1 1.1
PTB0 1.0
16 VIN
14 GND
12 GND
10 5V
8 3.3V
6 Reset
4 3.3V
2 SDA_PTD5
PTxxx GPIO in/out - port xxx
Interrupt in
X.Y PWM - TPM X ch Y
MOSI SPI - MOSI
Analog In
* See notes below on PTD1 and RTC_CLKIN
PLUNGER (PTB0)
3.3V
GND
10 Bumper Back Left (PTD6)
10 Bumper Back Center (PTD7)
10 Bumper Back Right (PTE0)
10 Bumper Middle Left (PTA16)
10 Bumper Middle Center (PTA17)
Gear/Motor (PTD3)
10 Bumper Middle Right (PTE31)
Slingshot Left(PTC16)
Slingshot Right(PTC17)
Flipper Left(PTC12)
Flipper Right(PTC13)
Knocker (PTE20)
Strobe (PTE29)
Beacon(PTC5)
Fire Button (PTC11)
Launch Button (PTE1)
GND
VCC
Rumble motor
(Xbox 360)
Transistor
(PN2222)
Kickback diode
(1N4001)
Be careful of the polarity
Emitter
Base
Collector
Decoupling ceramic capacitor (0.1uF)
Shaker (PTE21)
70~1KΩ resistor