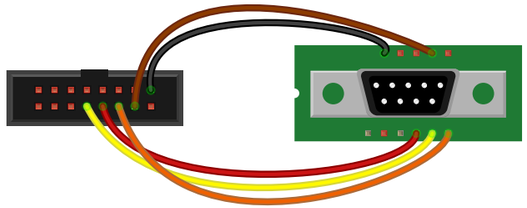
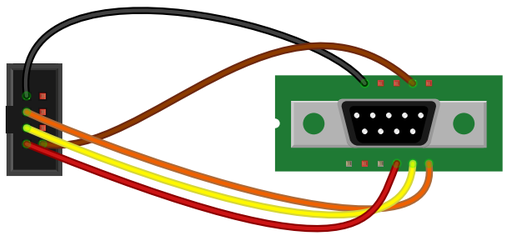
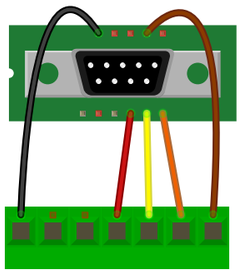
X4: Family Computer Extension
1. GND
2-8 NC
9-11 NC
12. P/S
13. DATA
14. CLK
15. VCC



X6: NES (New Famicom)
1. GND
2. CLK
3. P/S
4. DATA

5. VCC
6. NC
7. NC





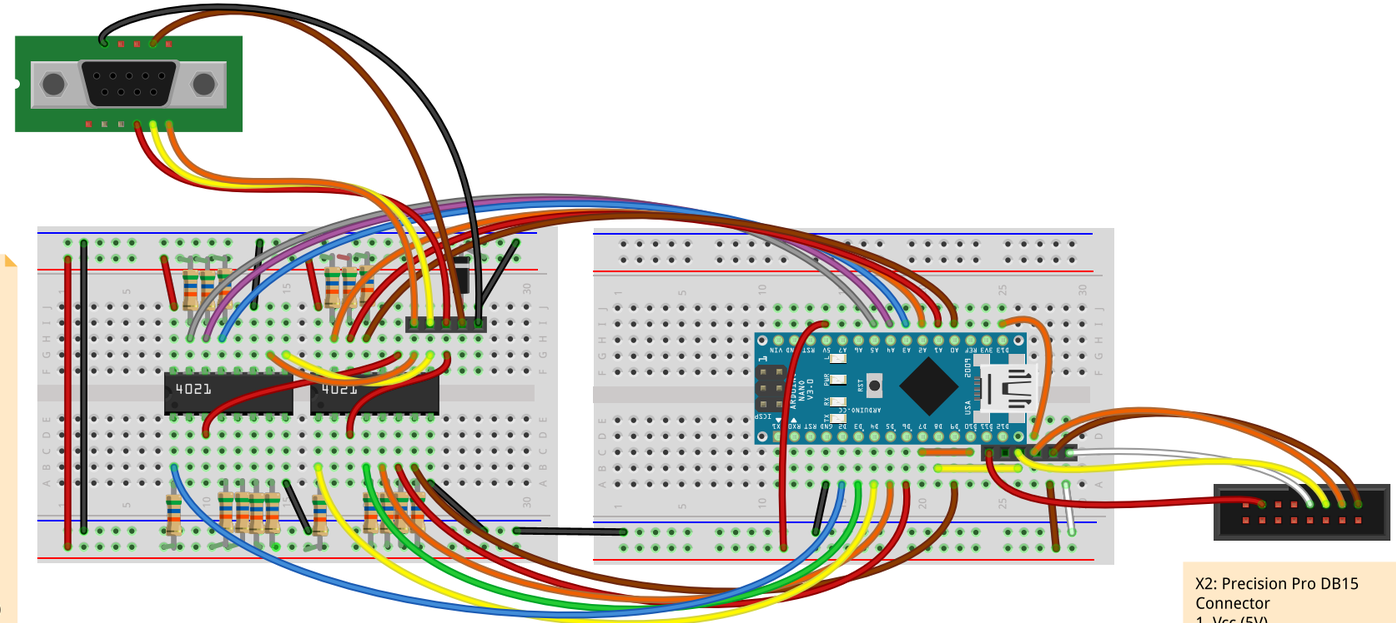
X8: SNES (Super Famicom)
1. VCC
2. CLK
3. P/S
4. OUT
5. NC
6. NC
7. GND

X1: FC Compatible
1. NC
2. OUT (赤)
3. P/S (LATCH) (黄色)
4. CLK (オレンジ)
5. NC

6. 5V (茶)
7. NC
8. NC
9. GND (黒)

4021
PI1-9は56kΩの抵抗でプルアップ
1. PI8 (FC A/SFC B : A Button)
2. Q6
3. Q8 DATA (FC OUT)
4. PI4 (Up)
5. PI3 (Down)
6. PI2 (Right)
7. PI1 (Left)
8. GND

9. P/S
10. Clock
11. Serial In
12. Q7
13. PI5 (Start : R)
14. PI6 (Select : L)
15. PI7 (FC B/SFC Y : X Button)
16. VCC



Arduino 接続ピン
D2 - IC2 1: A Button
D3 - IC1 4: Up Key
D4 - IC1 1: B Button
D5 - IC1 5: Down Key
D6 - IC1 6: Left Key
D7 - D10: Clear SPI Register
D8 - X2 3: Trigger
D9 - IC1 7: Right Key
D10: SS
D11: MOSI - X2 7: Data
D12 NC

D13: SCK - X2 2: Clock
A0 - IC1 13: Start Button
A1 - IC1 14: Select Button
A2 - IC1 15: Y Button
A3 - IC2 13: R Button
A4 - IC2 14: L Button
A5 - IC2 15: X Button
A6 NC
A7 NC

X2: Precision Pro DB15 Connector
1. Vcc (5V)
2. SCK -> D13
3. Trigger -> D8
4. GND
5. NC
6. NC
7. Data (MOSI) -> D11
8. NC

9. NC
10. NC
11. NC
12. NC
13. NC
14. NC
15. NC