Common Anode- All the power goes into a common pin, a segment of led turns on when it is grounded

Common Cathode- All the pins are connected to a common ground pin, a pin turns on when power is applied to it

MAX6954 & MAX6954 are made to use with common cathode displays

Breakout board- pre made pcb to plug a part into that is pre made, used to make building circuits easter

Memory control circuit

Design v1-

By utilizing the IC2 bus on a arduino we can control all the necessary pins

Use-

1 arduino mega

Up to 64 TCA9548A

And