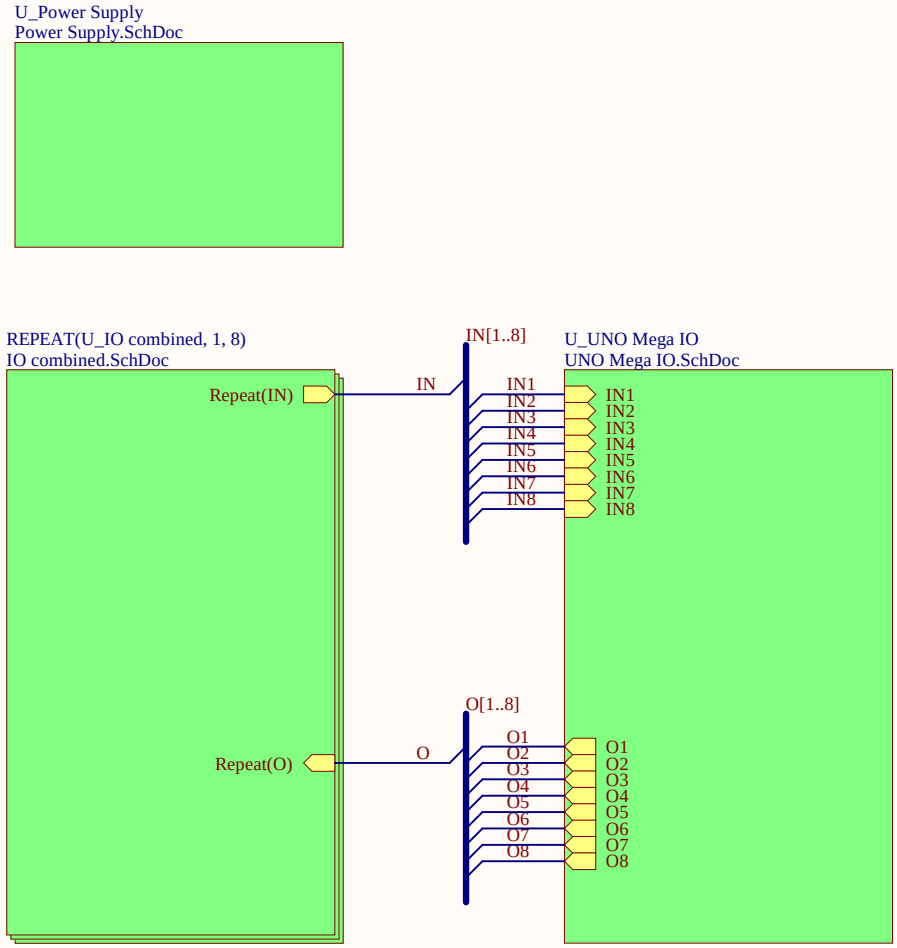
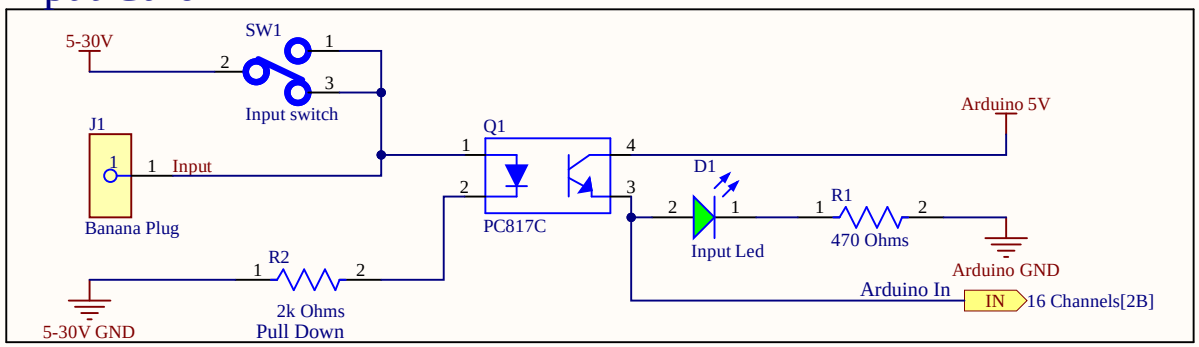
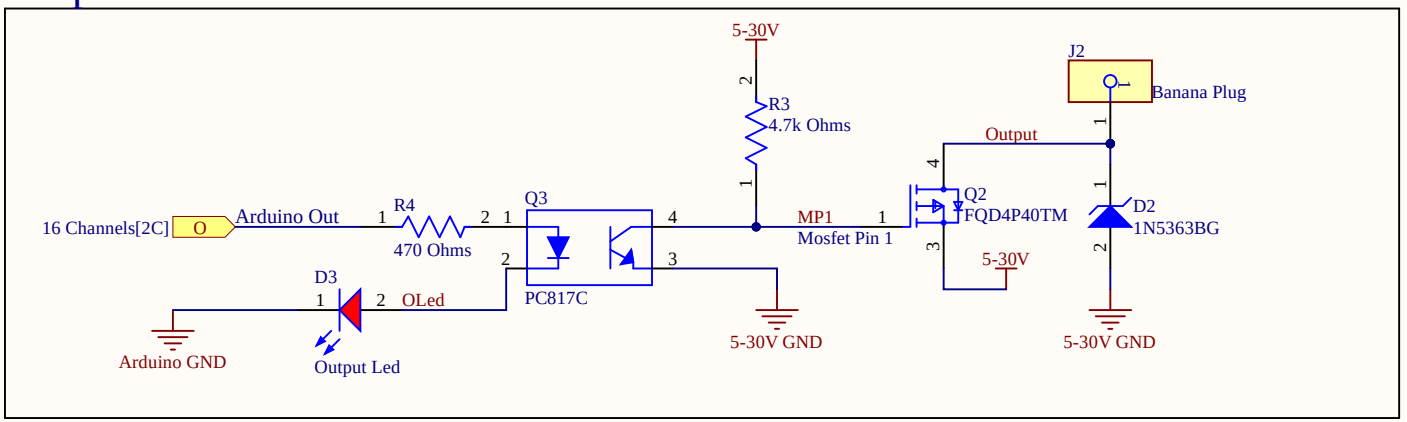


Title	MiniPLC Team 1 8 channel Input and Output	
Size A	Number	Revision 1
Date: 5/12/2024		Sheet of
File: C:\Users\..\16 Channels.SchDoc		Drawn By: Prince Sakariya

Input Card

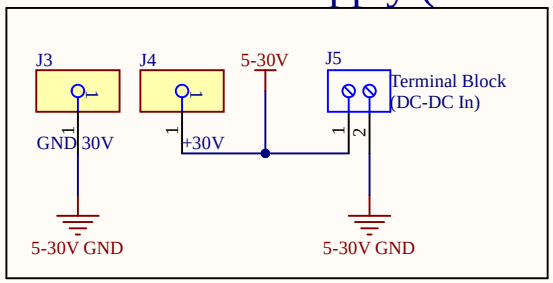


Output Card

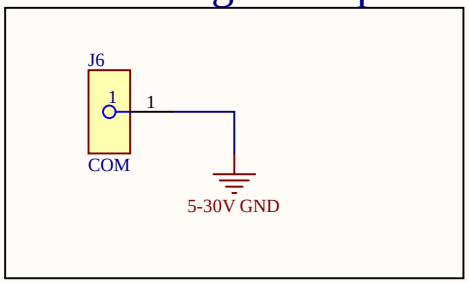


Title	MiniPLC Team 1 Input and Output module		
Size A	Number	Revision	1
Date:	5/12/2024	Sheet of	
File:	C:\Users\..\IO combined.SchDoc	Drawn By:	Prince Sakariya

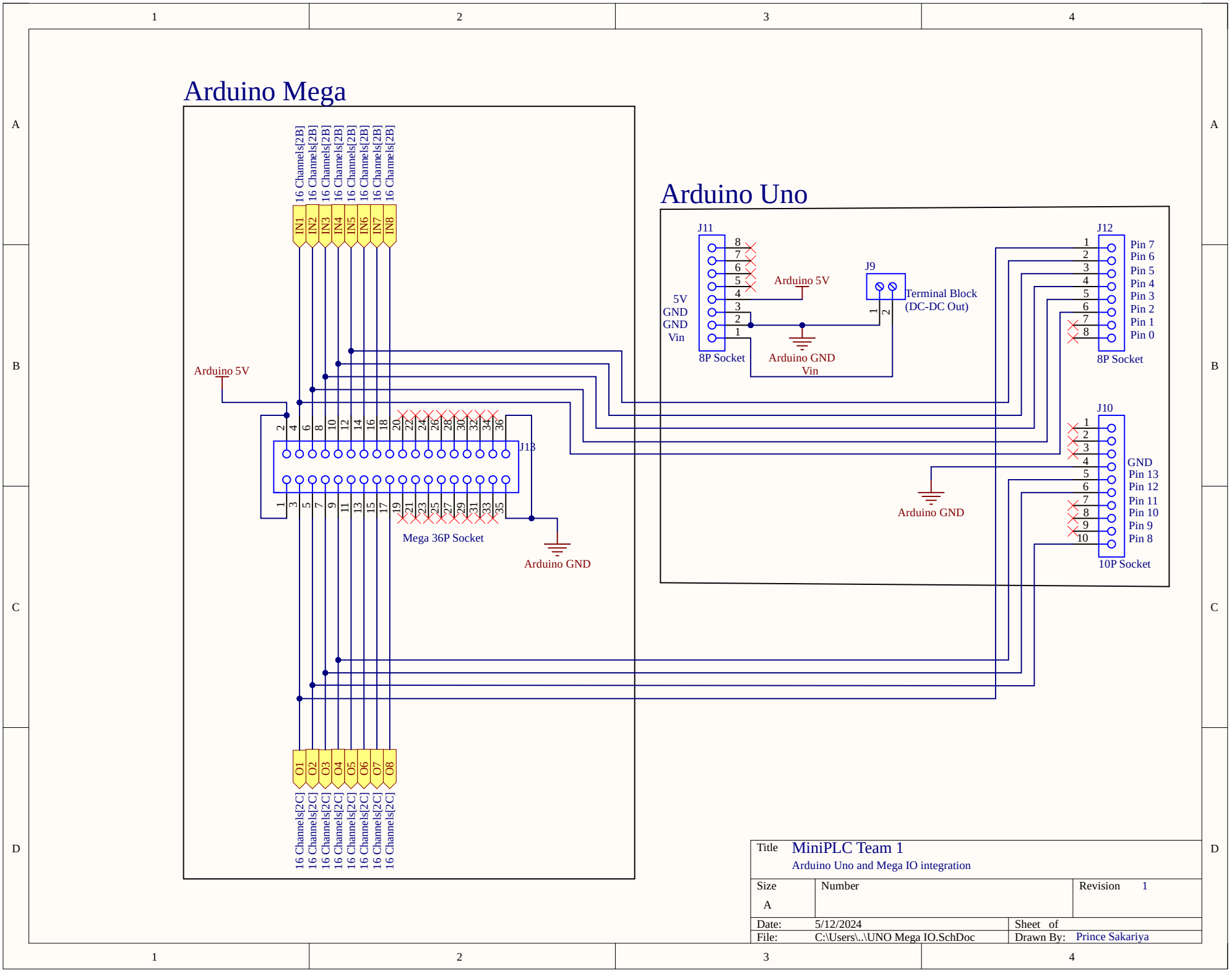
External Power Supply (5-30V)



Banana Plug COM port



Title	MiniPLC Team 1 Power Supply		
Size A	Number	Revision	1
Date:	5/12/2024	Sheet of	
File:	C:\Users\..\Power Supply.SchDoc	Drawn By:	Prince Sakariya


Arduino Mega
16 Channels[2B]
IN1
IN2
IN3
IN4
IN5
IN6
IN7
IN8
Arduino 5V
J13
Mega 36P Socket
Arduino GND
16 Channels[2C]
O1
O2
O3
O4
O5
O6
O7
O8
Arduino Uno
J11
8P Socket
5V
GND
GND
Vin
Arduino 5V
Arduino GND
Vin
J9
Terminal Block
(DC-DC Out)
J12
8P Socket
Pin 7
Pin 6
Pin 5
Pin 4
Pin 3
Pin 2
Pin 1
Pin 0
J10
10P Socket
GND
Pin 13
Pin 12
Pin 11
Pin 10
Pin 9
Pin 8
Arduino GND
Title
MiniPLC Team 1
Arduino Uno and Mega IO integration
Size
A
Number
Revision
1
Date:
5/12/2024
Sheet of
File:
C:\Users\..\UNO Mega IO.SchDoc
Drawn By:
Prince Sakariya