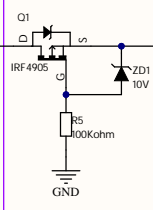
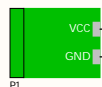


Recommended INPUT voltage  
is >14V  
MAX input voltage is 18V

Reverse polarity protection  
circuit



TP1



For  $C_{ss} = 10nF$   
Soft Start is  
1.2ms based on  
datasheet formula

IC1



TP2

LX

C1

10nf

TP3

VOUT

L1

6.8uH

TP4

FB

R1

174Kohm

R2

1Kohm

R4

10Kohm

C7

4.7uf

C8

10uf

C9

22uf

C10

33uf

DATA

P2

INPUT

P3

OUTPUT

-> to AX-12A servo

<- from FT232 cnt board

|   |               |                                     |
|---|---------------|-------------------------------------|
| Title<br><b>AX-12 Power Supply Unit</b> |               |                                     |
| Size<br>E                               | Number        | Revision<br><b>V1</b>               |
| Date:<br>2/19/2023                      | Sheet of<br>1 | Drawn By: <b>Aleksandar Aleksic</b> |
| File:<br>C:\Users\... \AX-12_PSU.SchDoc |               |                                     |