

# Input Protection

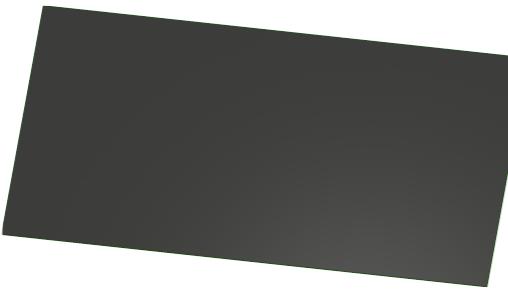
**2026-02-07**

# Variant: DRAFT

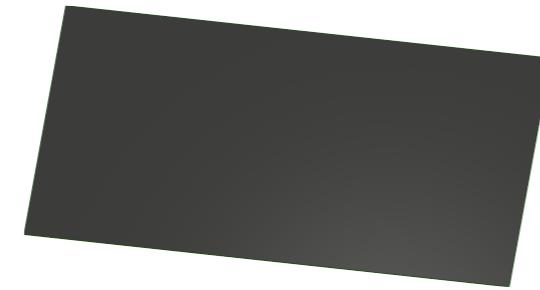
# Rev + (Unreleased)

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# TOP VIEW



## BOTTOM VIEW



## NOTES

## Comment

Not fitted components are marked as

X

DRAFT - Very early stage of schematic, ignore details.

## **PRELIMINARY - Close to final schematic.**

**CHECKED** - There shouldn't be any mistakes. Contact the engineer if found.

**RELEASED - A board with this schematic has been sent to production.**

# DESIGN CONSIDERATIONS

**DESIGN NOTE:**  
Example text for  
informational design  
notes.

**DESIGN NOTE:**  
Example text for  
debug notes.

## DESIGN NOTE:

Example text for cautionary design notes.

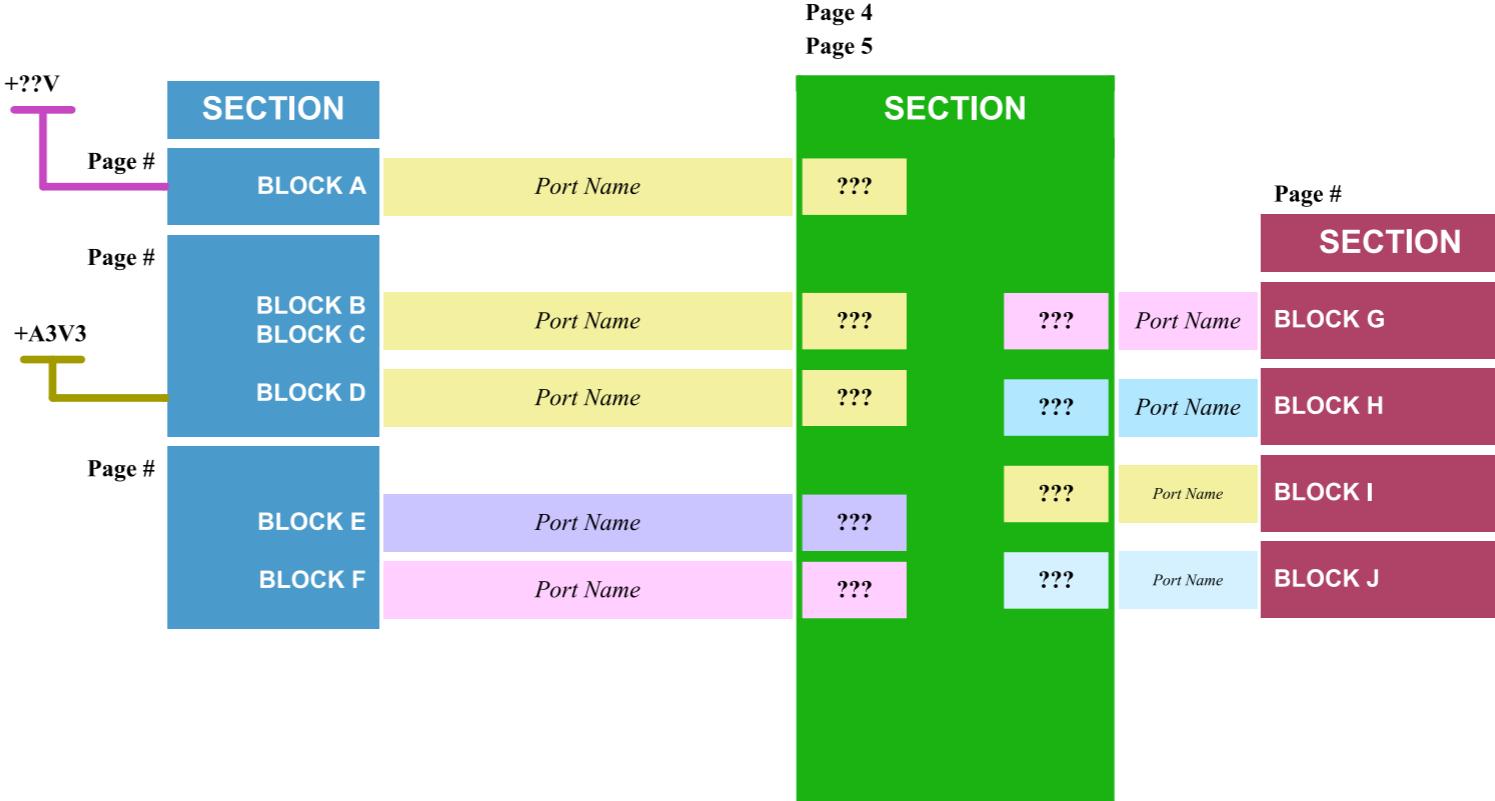
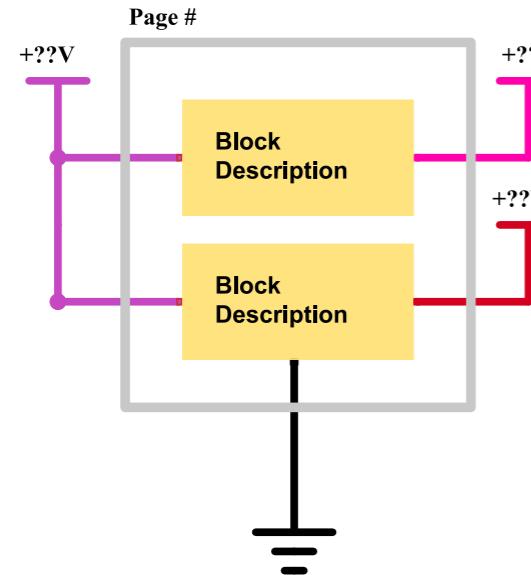
## **DESIGN NOTE:** Example text for critical design notes.

## LAYOUT NOTE:

Example text for critical layout guidelines.

PROJECT	Assignment 1		 <b>Ryan Dynamics</b> THIS DESIGN AND/OR DRAWING IS THE PROPERTY OF RYAN DYNAMICS AND SHALL NOT BE REPRODUCED WITHOUT AUTHORISATION.				
DRN							
2025-01-12	R. HICKS						
CHK							
ENG APP							
MFR APP			Input Protection				
SHEET PATH	GIT HASH		DRAWING No				
	/ 9521b57						
FILENAME	Input-Protection.kicad_sch	VARIANT	DRAFT	REVISION	+ (Unreleased)	SHEET	1 OF 4

# [2] BLOCK DIAGRAM



## TARGET SPECIFICATIONS:

<b>INPUT VOLTAGE:</b>	-50 to +50 V
<b>OUTPUT VOLTAGE:</b>	+12 to +17 V
<b>Spec 3</b>	?
<b>Spec 4</b>	?

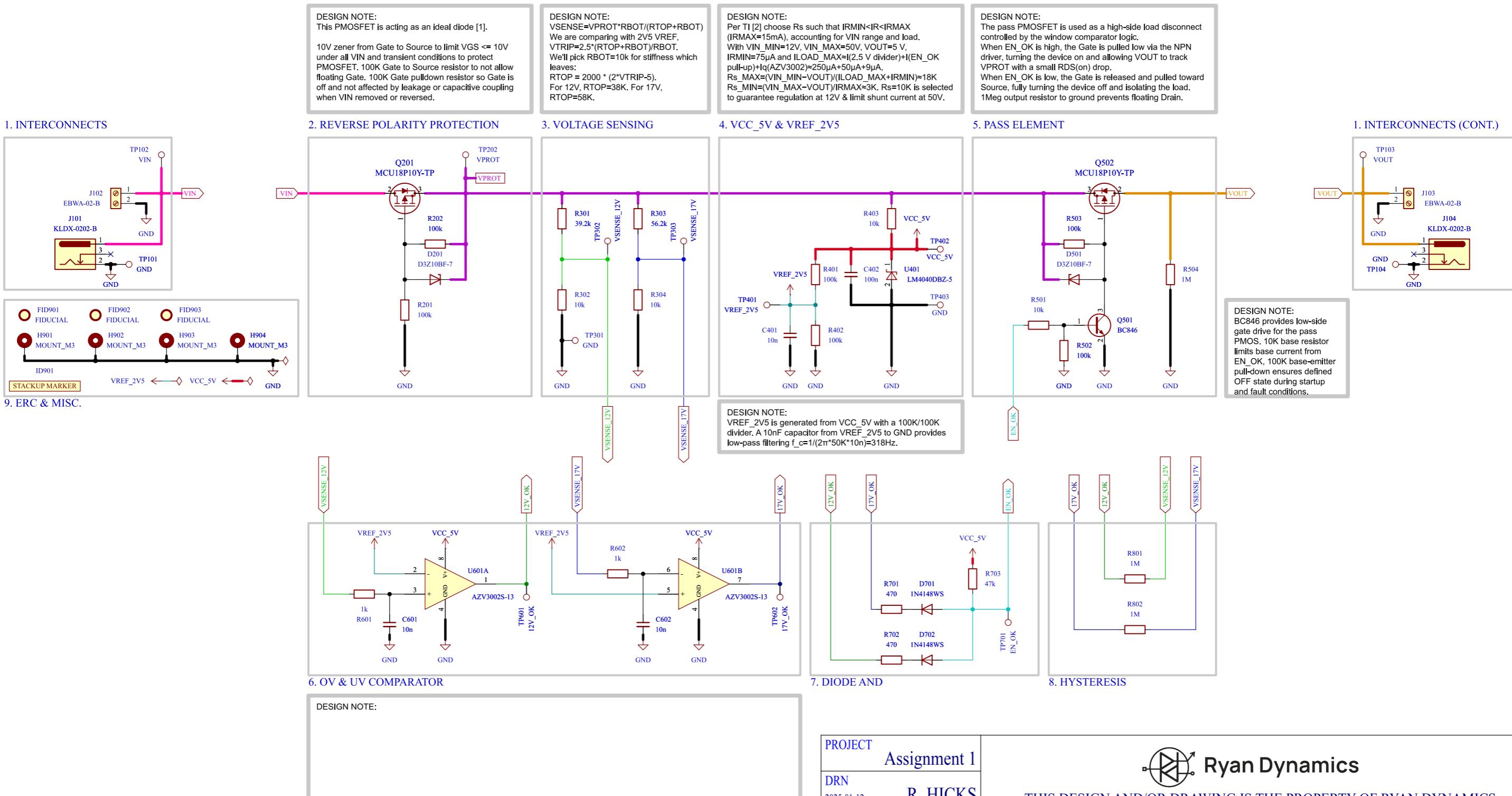
PROJECT	Assignment 1
DRN	R. HICKS
2025-01-12	
CHK	
ENG APP	
MFR APP	
SHEET PATH	GIT HASH
/Block Diagram/	9521b57
FILENAME	DRAWING No
Block Diagram.kicad_sch	BLOCK DIAGRAM
VARIANT	A3
DRAFT	2 OF 4
REVISION	+ (Unreleased)
SHEET	



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# [3] SCHEMATIC



PROJECT	Assignment 1
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MFR APP	
SHEET PATH	GIT HASH
/Schematic/	9521b57
FILENAME	DRAWING No
Schematic.kicad_sch	SCHEMATIC
VARIANT	A3
DRAFT	3 OF 4
REVISION	+ (Unreleased)
SHEET	

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## [4] REVISION HISTORY

A

A

B

B

C

C

D

D

PROJECT Assignment 1  
 DRN 2025-01-12 R. HICKS  
 CHK

ENG APP  
 MFR APP

SHEET PATH  
 /Revision History/

FILENAME  
 Revision History.kicad\_sch

GIT HASH

9521b57

DRAWING No

REVISION HISTORY

4 OF 4



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A4