

# Excavadora Bulldozer Eléctrica 1.0

## DRAFT 23-APR-2021

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### DESIGN CONSIDERATIONS:

DESIGN NOTE:  
Example text for informational  
design notes.

DESIGN NOTE:  
Example text for debug notes.

LAYOUT NOTE:  
Example text for critical  
layout guidelines.

DESIGN NOTE:  
Example text for cautionary  
design notes.

DESIGN NOTE:  
Example text for critical  
design notes.

Project: Excavadora Bulldozer Electrica.PrjPcb

Page content: [01] - COVER PAGE.SchDoc

Revision: 1.0

Design: Daniel E. Mundo

Date: 24/04/2021

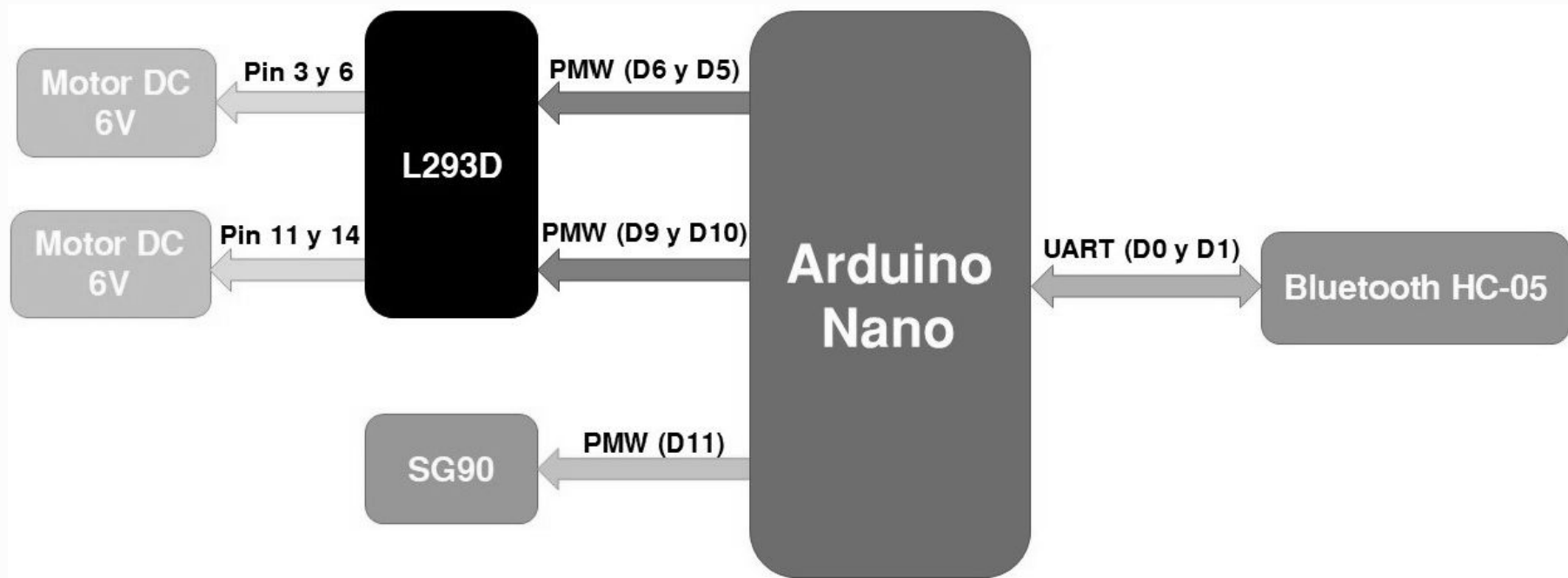
Size: Letter

Document Number: 1

Sheet: 1 of 5

**UVG**  
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DE GUATEMALA

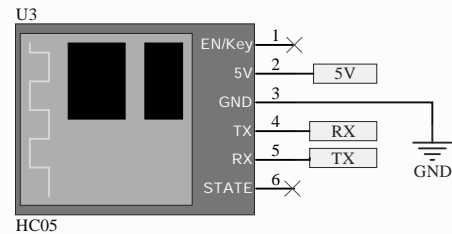
# BLOCK DIAGRAM



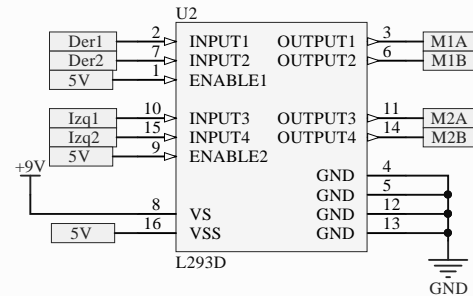
Project: Excavadora Bulldozer Electrica.PrjPcb		
Page content: [02] - BLOCK DIAGRAM.SchDoc		
Revision: 1.0	Design: Daniel E. Mundo	Date: 24/04/2021
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# SCHEMATIC

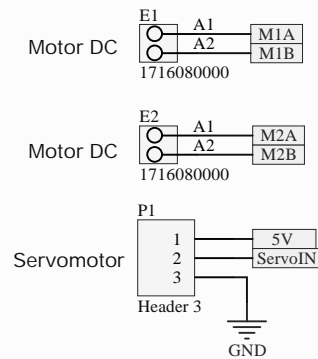
## INPUT SIGNAL



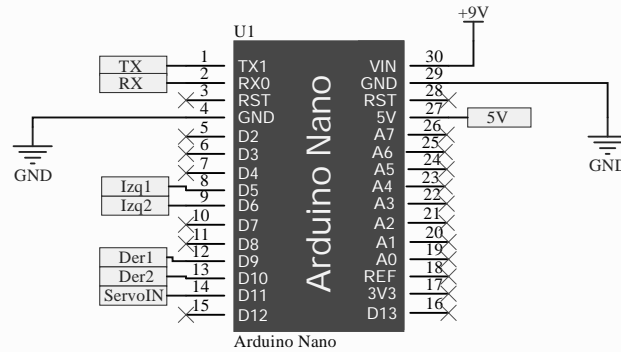
## DC MOTOR CONTROL



## OUTPUT



## MICROCONTROLLER



-Se utilizo motres reductores de 6V y 100 RPM.  
-Se utilizo el servo motor SG90.  
-Se utilizo borneras para la entrada de los motores.

Project: Excavadora Bulldozer Electrica.PrjPcb

Page content: [03] - SCHEMATIC.SchDoc

Revision: 1.0

Design: Daniel E. Mundo

Date: 24/04/2021

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# REVISION HISTORY

23/04/2021 Se creó los esquemáticos del proyecto del curso.  
23/04/2021 Se creó circuito del proyecto.

Project: Excavadora Bulldozer Electrica.PrjPcb

Page content: [04] - REVISION HISTORY.SchDoc

Revision: 1.0

Design: Daniel E. Mundo

Date: 24/04/2021

Size: Letter

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Designator  
[01] - COVER PAGE.SchDoc



Designator  
[02] - BLOCK DIAGRAM.SchDoc



Designator  
[03] - SCHEMATIC.SchDoc



Designator  
[04] - REVISION HISTORY.SchDoc



#### Schematic Status Explanation

**DRAFT** - Very early stage of schematic, ignore details.

**PRELIMINARY** - Close to final schematic.

**CHECKED** - There should not be any mistakes. Tell the engineer if you find one.

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

Project: Excavadora Bulldozer Electrica.PrjPcb

Page content: Excavadora Bulldozer Electrica.SchDoc

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Design: Daniel E. Mundo

Date: 24/04/2021

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