

ESP32C3	
A0/D0	R-Ballsensor for Kicker
A1/D1	L-Ballsensor for Kicker
A2/D2	Dribbler Signal [PH]
A3/D3	Dribbler Signal [EN]
SDA/D4	I2C com. [SDA] with MAIN
SCL/D5	I2C com. [SCL] with MAIN
TX/D6	UART com. [TX] with MAIN
RX/D7	UART com. [RX] with MAIN
SCK/D8	N.C.
MISO/D9	N.C.
MOSI/D10	NeoPixel Signal

1.0.1

Edited
by NearFactory

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Teensy4.1			
D0/RX1	UART com. [RX] with LINE	D22/A8	Ballsensor 09
D1/TX1	UART com. [TX] with LINE	D23/A9	Ballsensor 10
D2	Motordriver Signal [PH-4]	D24/SDA2	I2C com. [SCL2] with IROIRO
D3	Motordriver Signal [EN-4]	D25/SCL2	I2C com. [SDA2] with IROIRO
D4	Motordriver Signal [PH-3]	D26/A12	Ballsensor 11
D5	Motordriver Signal [EN-3]	D27/A13	Ballsensor 12
D6	Motordriver Signal [PH-2]	D28/RX7	Motordriver Signal [PH-1]
D7/RX2	UART com. [RX] with SUB	D29/TX7	Motordriver Signal [EN-1]
D8/TX2	UART com. [TX] with SUB	D30	Switch-4 Signal from UI Board
D9	Motordriver Signal [EN-2]	D31	Switch-3 Signal from UI Board
D10/CS	SPI com. [SS] with CAM	D32	Kicker Output Signal
D11/MOSI	SPI com. [MOSI] with CAM	D33	Buzzer Output
D12/MISO	SPI com. [MISO] with CAM	D34/RX8	UART com. [RX] with CAM
D13/SCK	SPI com. [SCK] with CAM	D35/TX8	UART com. [TX] with CAM
D14/A0	Ballsensor 01	D36	Switch-1 Signal from UI Board
D15/A1	Ballsensor 02	D37	Switch-2 Signal from UI Board
D16/A2	Ballsensor 03	D38/A14	Ballsensor 13
D17/A3	Ballsensor 04	D39/A15	Ballsensor 14
D18/A4	Ballsensor 05	D40/A16	Ballsensor 15
D19/A5	Ballsensor 06	D41/A17	Ballsensor 16
D20/A6	Ballsensor 07		
D21/A7	Ballsensor 08		

UI Board	
BTN 1	Teensy 4.1 D36
BTN 2	Teensy 4.1 D37
BTN 3	Teensy 4.1 D31
BTN 4	Teensy 4.1 D30
BTN 5	Kicker Signal
Buzzer	Teensy 4.1 D33
Display	I2C com. with Teensy 4.1 or ESP32C3

Dribbler Board	
EN	ESP32C3 D3
PH	ESP32C3 D2

MotorDriver Board	
EN-1	Teensy 4.1 D29
PH-1	Teensy 4.1 D28
EN-2	Teensy 4.1 D9
PH-2	Teensy 4.1 D6
EN-3	Teensy 4.1 D5
PH-3	Teensy 4.1 D4
EN-4	Teensy 4.1 D3
PH-4	Teensy 4.1 D2

Kicker Board	
Kicker Sig.	Teensy 4.1 D32 / UI Board BTN 5
Ball-R	ESP32C3 A0/D0
Ball-L	ESP32C3 A1/D1

1.0.1

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