

The diagram illustrates the wiring for the Arduino Mega2560 Shield, showing connections for a 4D display connector, various sensors, and power regulation. The components and their connections are as follows:

- 4D DISPLAY CONNECTOR TX1/RX1/RESET:** Connected to pins 69 (D0_RX0), 70 (D1_TX0), 63 (D19_RX1), 64 (D18_TX1), 65 (D17_RX2), 66 (D16_TX2), 67 (D15_RX3), 68 (D14_TX3), 62 (D20_SDA), 61 (D21_SCL), 85 (SDA), and 86 (SCL).
- Power and Grounding:**
 - +5VL:** Connected to pin 5 (GND).
 - +5VP:** Connected to pin 3 (GND).
 - FR201 1.5A:** Connected to pin 6 (GND).
 - IRFR9024:** Connected to pin 7 (GND).
 - Q201:** Connected to pin 83 (GND).
 - C201 0.1uF 50V:** Connected to pin 25 (GND).
 - C202 4.7uF 50V MLCC:** Connected to pin 43 (GND).
 - R201 100K:** Connected to pin 4 (3.3V).
 - XA201:** Connected to pin 5 (5V).
 - TP201 +5VLtp:** Connected to pin 60 (5V).
 - TP202 GND:** Connected to pin 8 (VIN).
- Other Connections:**
 - DIR 485 ARD:** Connected to pins 71 (D2_INT0), 72 (D3_INT1), 73 (D4), 74 (D5), 75 (D6), 76 (D7), 77 (D8), 78 (D9), 79 (D10), 80 (D11), 81 (D12), 82 (D13), 41 (D22), 59 (D23), 40 (D24), 58 (D25), 39 (D26), 57 (D27), 38 (D28), 56 (D29), 37 (D30), 55 (D31), 36 (D32), 54 (D33), 35 (D34), 53 (D35), 34 (D36), 52 (D37), 33 (D38), 51 (D39), 50 (D40), 31 (D41), 49 (D42), 30 (D43), 48 (D44), 39 (D45), 47 (D46), 28 (D47), 46 (D48), 27 (D49), 45 (D50), 26 (D51), 44 (D52), and 44 (D53_SS).

The diagram also includes callouts for "REVERSE POL & BACK-SUPP PROT." and "ARDUINO MEGA2560 MONTAJE DEBAJO DE PLACA WEMB02".

[illegible]

J202 RasPi_I/O_Header

Pin 1 (3V3) → GND

Pin 2 (+5V) → +5V

Pin 3 (GPIO0-R1/GPI02-R2/SDA0/SDA1) → TX0

Pin 4 (5V) → +5V

Pin 5 (GPIO1-R1/GPI02-R2/SCLO/SCL1) → RX0

Pin 6 (GPIO4/GPCLK0) → TX0

Pin 7 (GND) → GND

Pin 8 (GPIO14/TXD0/TXD1) → TX0

Pin 9 (GND) → GND

Pin 10 (GPIO15/RXD0/RXD1) → RX0

Pin 11 (GPIO17/RTS0/RTS1) → TX0

Pin 12 (GPIO18/PCM_CLK/CE0-1/PWM0) → TX0

Pin 13 (GND) → GND

Pin 14 (GPIO21-R1/GPI027-R2/PCM_DOUT/GPCLK1) → TX0

Pin 15 (GPIO22/SD1_CLK/ARM_TRST) → TX0

Pin 16 (GPIO23/SD1_CMD/ARM_RTC) → TX0

Pin 17 (3V3) → GND

Pin 18 (GPIO24/SD1_DATA0/ARM_TDO) → TX0

Pin 19 (GND) → GND

Pin 20 (GPIO10/MOSI0) → TX0

Pin 21 (GPIO9/MISO0) → TX0

Pin 22 (GPIO25/ARM_CLK) → TX0

Pin 23 (GPIO11/SCKL0) → TX0

Pin 24 (GND) → GND

Pin 25 (GND) → GND

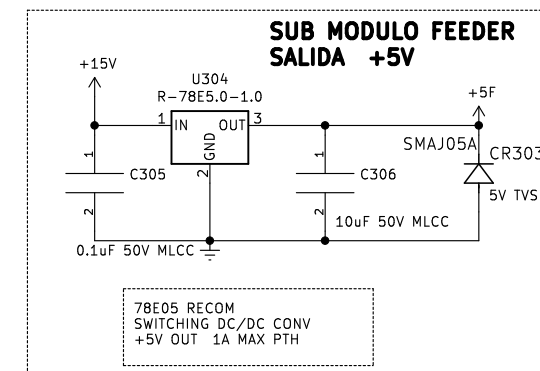
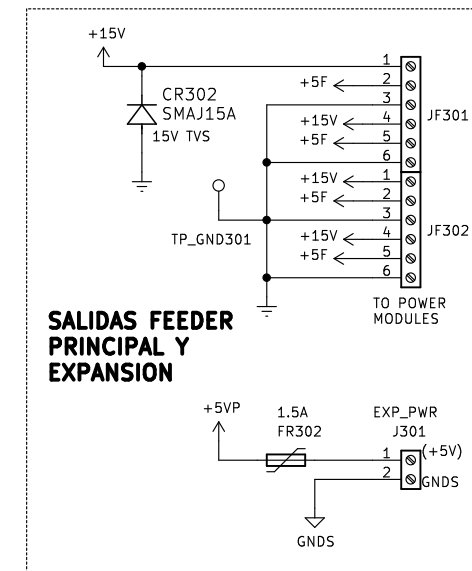
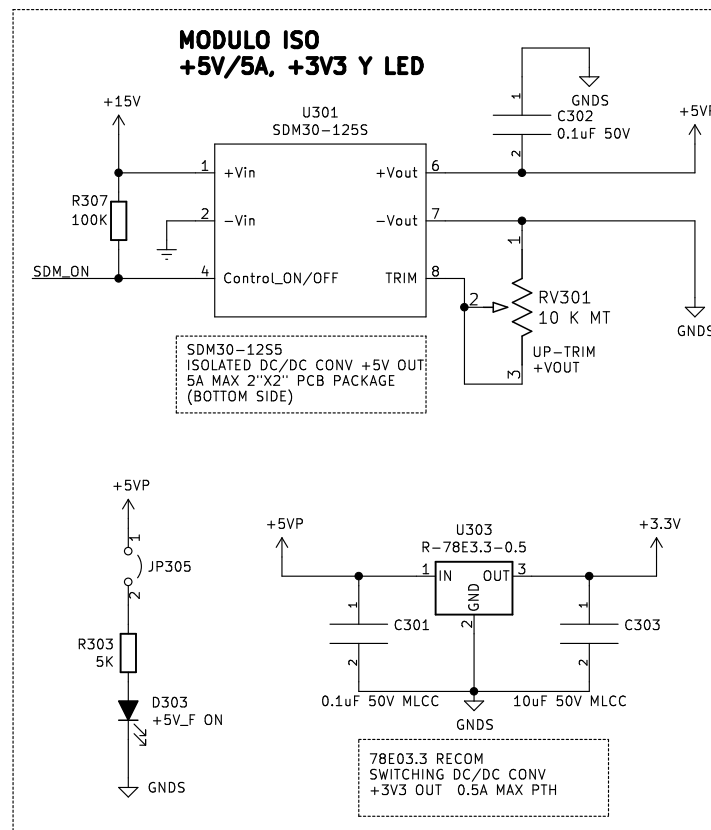
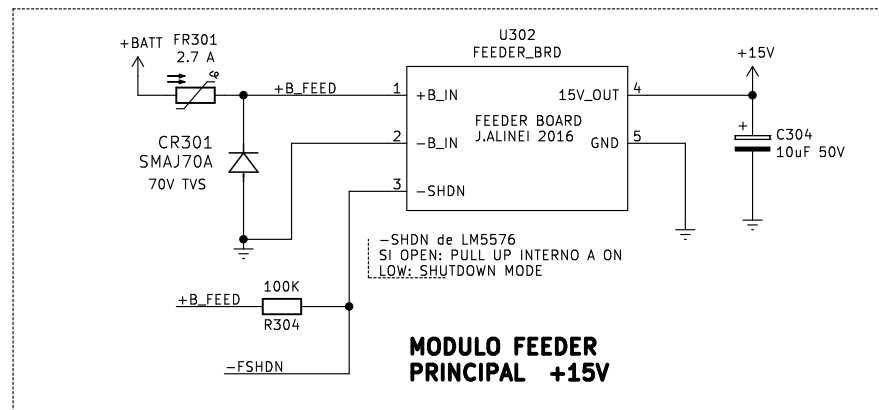
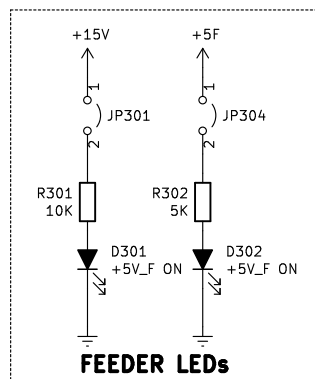
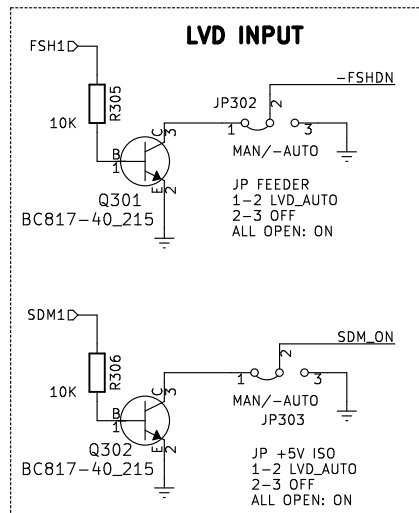
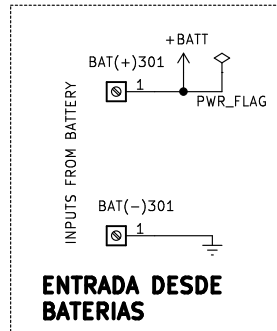
CONECTOR A RASPBERRY-PI

RBPI STD CONN
POWER +5V ISO
& COMM PORT, DIR
3V3 TTL LEVEL
(RBPI UNDER WEMBO2)

Connector_PinHeader_2.54mm:PinHeader_2x13_P2.54mm_Vertical

Size: A4	Date: 2018-12-04
KiCad E.D.A. kicad (5.0.0)	

Rev: 7-12-2018
Id: 2/4



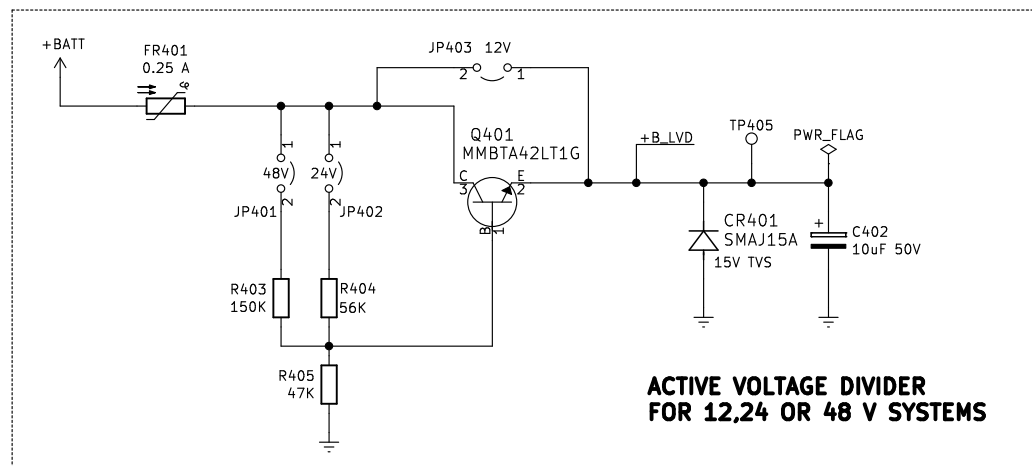
Autor: R.Oliva
WEMB02_j Project
UNPA+L&Ring para WindEmpowerment (v1.1 J.Alinei 2016)

Sheet: /Power/
File: power.sch

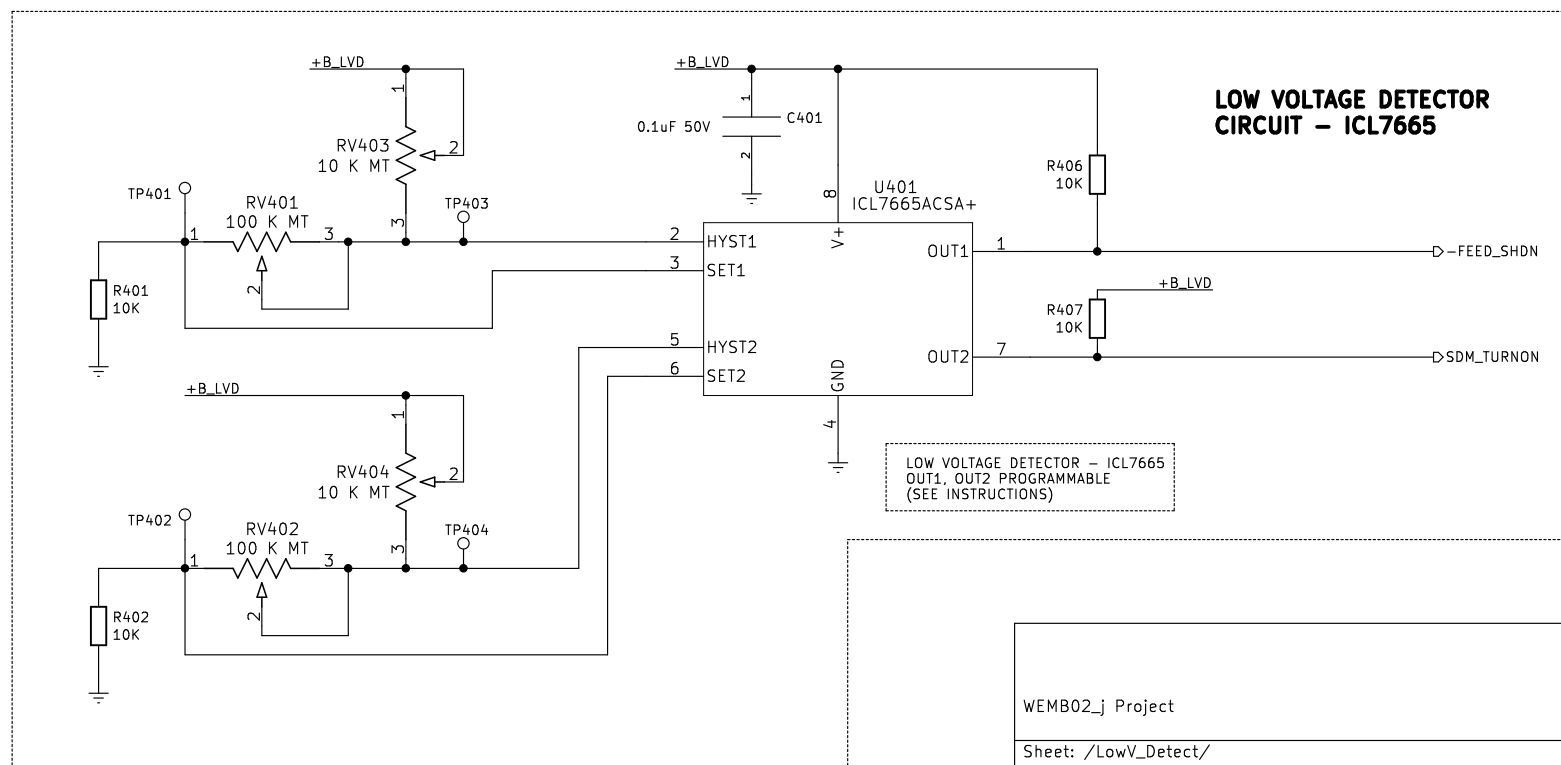
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Size: A4 Date: 2018-12-04
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Rev: 7-12-2018
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**LOW VOLTAGE DETECTOR
(DETECTOR DE
BAJA TENSÓN)**



WEMB02_j Project

Sheet: /LowV_Detect/
File: lvd.sch

Title: WEMB02_j TPFinal R.Oliva / CESE2018

Size: A4 Date: 2018-12-04

KiCad E.D.A. kicad (5.0.0)

Rev: 7-12-2018

Id: 4/4