led1
PWM1
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND
led-dir-1
DIR1
R-dir?
RC1206FR-07120RL
SML-LX1206YC-TR
GND

led4
PWM4
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND
led-dir4
DIR4
R-dir?
RC1206FR-07120RL
SML-LX1206YC-TR
GND

led7
PWM7
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND
led-dir7
DIR7
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND

led2
PWM2
R-dir?
RC1206FR-07120RL
SML-LX1206YC-TR
GND
led-dir-2
DIR2
R?
RC1206FR-07120RL
SML-LX1206YC-TR

led5
PWM5
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND
led-dir5
DIR5
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND

led8
PWM8
R-8
RC1206FR-07120RL
SML-LX1206YC-TR
GND
led-dir8
DIR8
R-dir-8
RC1206FR-07120RL
SML-LX1206YC-TR
GND

led3
PWM3
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND
led-dir3
DIR3
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND

led6
PWM6
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND
led-dir6
DIR6
R?
RC1206FR-07120RL
SML-LX1206YC-TR
GND

GND
GND
IN-
OUT-
Buck
microbuck
IN+
OUT+
12V-in
5v-to-fuse

Fuse
2
4527
5v-out
led-buck?
R-buck?
RC1206FR-07120RL
597-3311-407F
GND

ESP32

RC1206FR-07120RL
led-l2u
R-l2u
GND
PWM8
L2U_rx
L2U_tx

J3-19 CLK   EXT_5V J2-19
J3-18 SD0   CMD   J2-18
J3-17 SD1   SD3   J2-17
J3-16 IO15   SD2   J2-16
J3-15 IO2   IO13   J2-15
J3-14 IO0   GND1   J2-14   DIR4
J3-13 IO4   IO12   J2-13   DIR8
J3-12 IO16   IO14   J2-12   PWM5
J3-11 IO17   IO27   J2-11   DIR5
J3-10 IO5   IO26   J2-10   PWM6
J3-9 IO18   IO25   J2-9   DIR6
J3-8 IO19   IO33   J2-8   PWM7
J3-7 GND2   IO32   J2-7   DIR7
J3-6 IO21   IO35   J2-6   in1
J3-5 RXD0   IO34   J2-5   in2
J3-4 TXD0   SENSOR_VN J2-4
J3-3 IO22   SENSOR_VP J2-3
J3-2 IO23   EN   J2-2
J3-1 GND3   3V3   J2-1

ESP32-DEVKITC-32D

PWM1
DIR1
PWM2
DIR2
PWM3
GND
DIR3
PWM4
GND
5v-out
DIR4
DIR8
GND
PWM5
DIR5
PWM6
DIR6
PWM7
DIR7
in1
in2

L2U_rx
L2U_tx
PWM1
DIR1
PWM2
PWM4
DIR3
PWM3
DIR2
PWM8
12V-in
GND
DIR8
PWM6
DIR6
PWM7
DIR7
in1
in2
DIR5
PWM5
DIR4

M1   M2
P?
618025231221

Comment	Description	Designator	Footprint	LibRef	Quantity
microbuck		Buck	Micro buck	microbuck	1
ESP32-DEVKITC-32D	WiFi Development Tools (802.11) ESP32 General Development Kit, ESP32-WROOM-32D on the board	ESP32	MODULE_ESP32-DEVKITC-32D	ESP32-DEVKITC-32D	1
4527	Fuseholder; 5 A; 250 V; Nylon; Base only; Brass, Tin Plate (Contact)	Fuse	FUSE_4527	4527	1
SML-LX1206YC-TR	Yellow LED, Water Clear Len, 585 nm, 2.1 V, -40 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel	led1, led2, led3, led4, led5, led6, led7, led8, led-dir3, led-dir4, led-dir5, led-dir6, led-dir7, led-dir8, led-dir-1, led-dir-2	LUMX-SML-LX1206YC-TR_V	CMP-2000-07124-1	16
597-3311-407F	LED Green, 75 mW, 30 mA, -30 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel	led-buck?	DIAL-597-3311-407F_V	CMP-2000-05651-1	1
PG1102W-TR	Green LED, 567 nm, 2.1 V, 30 mA, -30 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel	led-l2u	STEC-1102W_V	CMP-2000-06890-1	1
618025231221		P?	618025231221	CMP-1502-00286-2	1
RC1206FR-07120RL	Chip Resistor, 120 Ohm, +/- 1%, 250 mW, -55 to 155 degC, 1206 (3216 Metric), RoHS, Tape and Reel	R-8, R?, R-buck?, R-dir-8, R-dir?, R-l2u	RESC3116X65X40LL10T20	CMP-2000-06965-1	18