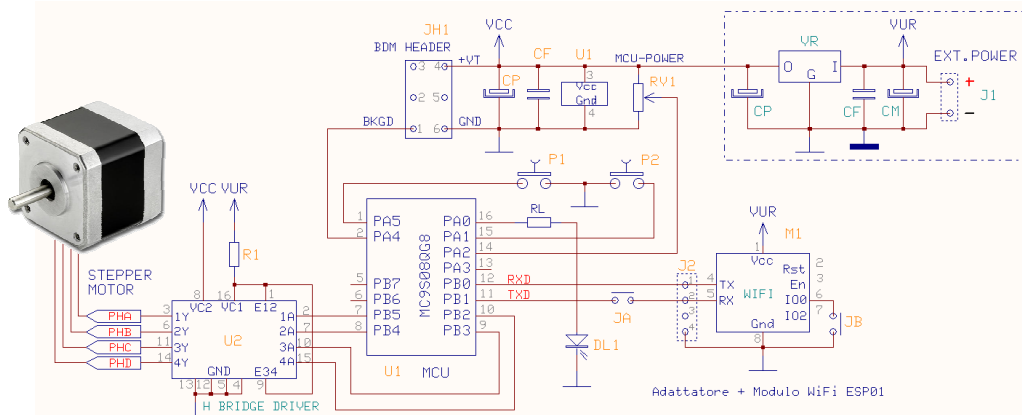


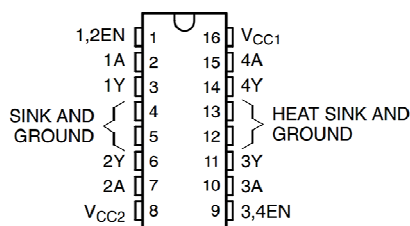
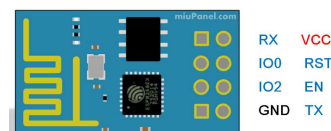
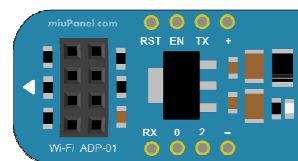
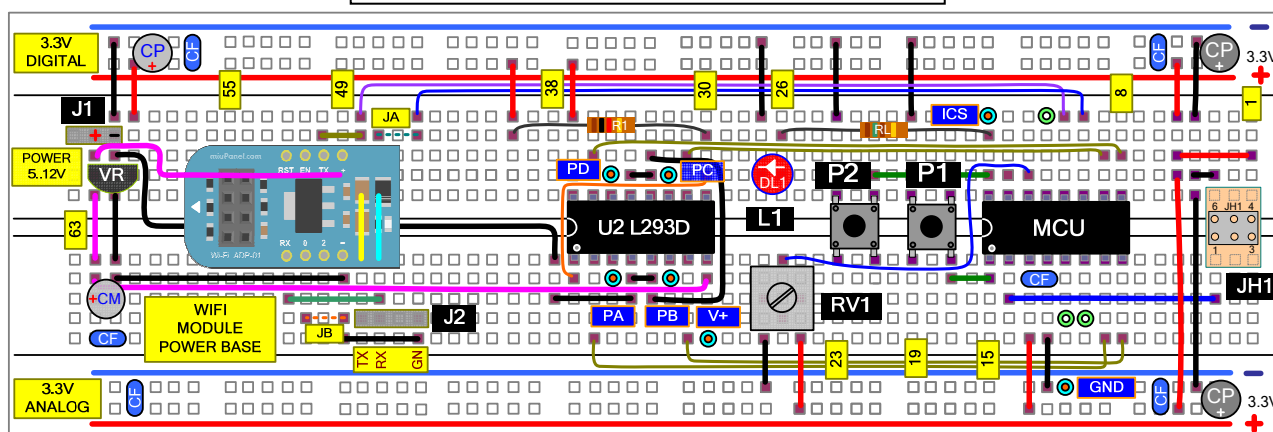
MICROCONTROLLORE NXP-FREESCALE MC9S08QG8/MC9S08SH8**SCHEDA TARGET : SMOTOR_WIFI-BTG****Stepper Motor Driver/WiFi/Pulsanti/Led/Trimmer****SCHEMA ELETTRICO****ELENCO COMPONENTI**

CF : 100nF 10% Ceramico Multilayer
 CP : 10µF 16VI Elettrolitico Alluminio
 CM : 220µF 16VI Elettrolitico Alluminio
 VR : Regolatore di Tensione LE33 da 3.3V
 JH1 : Target USBDM Header 6x2 poli maschio
 J1 : Connettore Alimentazione 2 poli maschio
 U1 : MCU FREESCALE: M9S08QG8 DIL16
 P1/P2 : Pulsante Tact Switch
 RV1 : Trimmer Monogiro 10 Kohm
 DL1 : Diodo led Bianco - Blu da 5 mm
 RL : 150 ohm 5% 1/4W
 R1 : 1 K ohm 5% 1/4W
 U2 : L293 DIL16 H Bridge Motor Driver
 M1 : Modulo Adattatore WiFi con modulo ESP01
 J2 : Connettore Interfaccia USB per ESP01

**MCU MC9S08QG8**

PTA5/IRQ/TCLK/RESET	1	16	PTA0/KBIP0/TPMCH0/ADP0/ACMP+
PTA4/ACMP0/BKGD/MS	2	15	PTA1/KBIP1/ADP1/ACMP-
V _{DD}	3	14	PTA2/KBIP2/SDA/ADP2
V _{SS}	4	13	PTA3/KBIP3/SCL/ADP3
PTB7/SCL/EXTAL	5	12	PTB0/KBIP4/RxD/ADP4
PTB6/SDA/XTAL	6	11	PTB1/KBIP5/TxD/ADP5
PTB5/TPMCH1/SS	7	10	PTB2/KBIP6/SPSCK/ADP6
PTB4/MISO	8	9	PTB3/KBIP7/MOSI/ADP7

16-PIN ASSIGNMENT PDIP

STEPPER MOTOR DRIVER L293**ESP01 ADATTATORE E MODULO****CABLAGGIO SU BREAD BOARD**

J1 : Entrata Alimentazione 5.12V
 GND Pin di Massa
 ICS Test Point Calibrazione Oscillatore
 Pin MCU liberi

V+ : Comune Alimentazione nel caso di Motori Unipolari
 PA-PB-PC-PD : Pin di uscita alle Fasi Stepper Motor

JH1
 BDM STANDARD
 HEADER

