



AIN24	S13
AIN19	S15
DIN5	S14
AIN17	S17
AIN18	S29
AIN14	S19
AIN11	S18

AIN13	S16
AIN12	S30
AIN7	S28
AIN16	S31
AIN8	S23
AIN9	S20
AIN10	S21
AIN15	S22

AIN23	S24
AIN21	S25
AIN22	S26
AIN20	S27
AIN1	S8
AIN2	S9
AIN3	S10
AIN4	S11

AIN6	S12
VIGN	S7
DIN1	S3
DIN2	S4
DIN3	S5
DIN4	S6

SPI1_SCK	E1	SPI1_SCK
SPI1_MISO	E2	SPI1_MISO
SPI1_MOSI	E3	SPI1_MOSI
SPI1_CS1	E4	SPI1_CS1
SPI1_CS2	E5	SPI1_CS2

SPI2_SCK	N20	SPI2_SCK
SPI2_MISO	N21	SPI2_MISO
SPI2_MOSI	N22	SPI2_MOSI
SPI2_CS	N23	SPI2_CS
SPI3_SCK	N9	SPI3_SCK
SPI3_MISO	N10	SPI3_MISO
SPI3_MOSI	N11	SPI3_MOSI
SPI3_CS	N8	SPI3_CS

CAN_VIO	N1	
CAN_RX	N2	CAN RX
CAN_TX	N3	CAN TX
I2C_SDA	N18	I2C_SDA
I2C_SCL	N19	I2C_SCL
UART8_RX	N5	UART8_RX
UART8_TX	N4	UART8_TX
UART2_RX	N7	UART2_RX
UART2_TX	N6	UART2_TX

USB1P	N30	USBP
USB1M	N31	USBM
USB1D	N32	USBD
VBUS	N29	VBUS
SWCLK	N25	SWCLK
SWDIO	N26	SWDIO
SWO	N27	SWO

IN_CRANK	IN_CAM	IN_VSS
IN_TPS	IN_PPS	IN_IAT
IN_CLT	IN_O2S	IN_O2S2
IN_RES1	IN_RES2	IN_RES3
IN_MAP1	IN_MAP2	IN_MAP3
IN_AUX1	IN_AUX2	IN_AUX3
IN_AUX2	IN_AUX3	IN_AUX4
IN_SENS1	IN_SENS2	IN_SENS3
IN_SENS2	IN_SENS3	IN_SENS4
IN_KNOCK	IN_VIGN	
IN_D1	IN_D2	IN_D3
IN_D3	IN_D4	

OUT_IGN1	OUT_IGN2	OUT_IGN3
OUT_IGN4	OUT_IGN5	OUT_IGN6
OUT_IGN7	OUT_IGN8	
OUT_INJ1	OUT_INJ2	OUT_INJ3
OUT_INJ4	OUT_INJ5	OUT_INJ6
OUT_INJ7	OUT_INJ8	
OUT_PWM1	OUT_PWM2	OUT_PWM3
OUT_PWM4	OUT_PWM5	OUT_PWM6
OUT_PWM7	OUT_PWM8	
OUT_IO1	OUT_IO2	OUT_IO3
OUT_IO4	OUT_IO5	OUT_IO6
OUT_IO7	OUT_IO8	OUT_IO9
OUT_IO10	OUT_IO11	OUT_IO12
OUT_IO12	OUT_IO13	

W1	IGN1
W2	IGN2
W3	IGN3
W4	IGN4
W5	IGN5
W6	IGN6
W7	IGN7
W8	IGN8

E25	OUT_INJ1
E26	OUT_INJ2
E29	OUT_INJ3
E30	OUT_INJ4
E31	OUT_INJ5
E32	OUT_INJ6
E33	OUT_INJ7
E34	OUT_INJ8
E14	OUT_PWM2
E15	OUT_PWM3
E16	OUT_PWM4
E17	OUT_PWM5
E18	OUT_PWM6
E19	OUT_PWM7
E28	OUT_PWM8
E8	OUT_IO1
E12	OUT_IO2
E6	OUT_IO3
E23	OUT_IO4
E7	OUT_IO5
E9	OUT_IO6
E21	OUT_IO7
E22	OUT_IO8
E11	OUT_IO9
E10	OUT_IO10
E20	OUT_IO11
E13	OUT_IO12
E24	OUT_IO13

N24	NReset
N28	BOOT0
N17	VBAT
N12	IO1
N13	IO2
N14	IO3
N15	IO4
N37	IO5
N34	IO6
N35	IO7
N36	IO8
N33	IO9

V5	IGN_V5
V33	IGN_V33
V5A	GND
S32	GND
S2	GND

N24	NReset
N28	BOOT0
N17	VBAT
N12	IO1
N13	IO2
N14	IO3
N15	IO4
N37	IO5
N34	IO6
N35	IO7
N36	IO8
N33	IO9

N30	USBP
N31	USBM
N32	USBD
N29	VBUS
N25	SWCLK
N26	SWDIO
N27	SWO