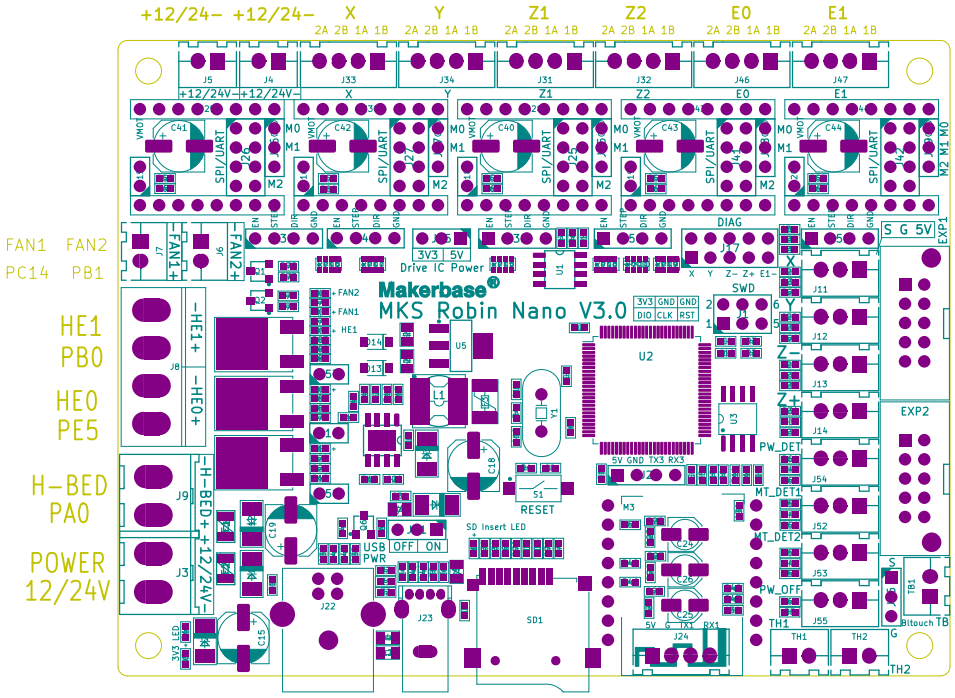

TMC-UART MODE DRIVE STEPPER

TX = RX

PD5	X
PD7	Y
PD4	Z
PD9	E0
PD8	E1

EN	STEP	DIR	
PE4	PE3	PE2	X
PE1	PE0	PB9	Y
PB8	PB5	PB4	Z
PB3	PD6	PD3	E0
PA3	PD15	PA1	E1

TMC-SPI MODE

MOSI	SCLK	CS	MISO	
PD14	PD0	PD5	PD1	X
		PD7		Y
		PD4		Z
		PD9		E0
		PD8		E1

XDIAG	YDIAG	ZDIAG	E0DIAG	E1DIAG
X	Y	Z-	Z+	E1-
PD15	PD2	PC8	PC4	PE7

X	PA15	GND 5V
Y	PD2	GND 5V
Z-	PC8	GND 5V
Z+	PC4	GND 5V
PW_DET	PA13	GND 5V
MT_DET1	PA4	GND 5V
MT_DET2	PE6	GND 5V
PW_OFF	PB2	GND 5V

EXP1

PC5	PE13
PD13	PC6
PE14	PE15
PD11	PD10
GND	5V

EXP2

PA6	PA5
PE8	PE10
PE11	PA7
PE12	RESET
GND	3V3

BLTOUCH

PA8
5V
GND

USB

D+	PA12
D-	PA11

USB DISK

DM	PB14
DP	PB15

TF CARD

CS	PC9
SCK	PC10
MISO	PC11
MOSI	PC12
DET	PD12

WIFI

GND	3V3
CS-PC15	MOSI-PC3
NC	MISO-PC2
IO0-PC13	SCK-PB13
IO1-PC7	NC
NC	EN
TX1-PA9	NC
RX1-PA10	RST-PE9

TH1	TH2	TB
PC1	PA2	PC0

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