



THM Interface

TB	TH2	TH1	TH0
PC0	PC3	PC2	PC1

X-	Y-	Z-	MTDET	Np i x L	Z+	Z-PWR
5V	5V	5V	5V	5V	5V	5V
GND	GND	GND	GND	GND	Z-VIN	Z-VIN
PA14	PA15	PB15	PA13	PC5	GND	PB14
				GND		VIN

DIAGS

XDIAG	YDIAG	Z1DIAG	E0DIAG	Z2DIAG	Z3DIAG
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EXP1	EXP2
BR PB2	DO PA6
ENC PE10	SCK PA5
EN PE11	RS PD10
D4 PD9	D5 PD8
D6 PE15	D7 PE7
GND	GND
	EN1 PE9
	EN2 PE8
	DI PA7
	DET PD13
	RESET
	3.3V

EMMC MODULE

PIN19	GND	RST	NC	NC	CMD	NC	D6	D4	D2	D0
	GND	3.3	1.8	GND	CLK	GND	D7	D5	D3	D1
PIN20										

TMC-SPI	TMC-SPI	TMC-SPI
SCK PE12	SCK PE12	SCK PE12
DO PE13	DO PE13	DO PE13
DI PE14	DI PE14	DI PE14
CS PE6	CS PE3	CS PB7
XUART PE6	YUART PE3	ZUART PB7
EN PC15	EN PD14	EN PE2
STEP PC14	STEP PE5	STEP PE1
DIR PC13	DIR PE4	DIR PE0
X-MOTOR	Y-MOTOR	Z1-MOTOR1

TMC-SPI	TMC-SPI	TMC-SPI	TMC-SPI	MAX31865
SCK PE12	SCK PE12	SCK PE12	SCK PE12	5V
DO PE13	DO PE13	DO PE13	DO PE13	GND
DI PE14	DI PE14	DI PE14	DI PE14	NC
CS PB3	CS PD4	CS PD0	CS PD15	SCK:PE12
E0-MOTOR	Z2-MOTOR	Z3-MOTOR	Z4-MOTOR	DO :PE13
EN PB6	EN PD7	EN PD3	EN PC8	DI :PE14
STEP PB5	STEP PD6	STEP PD1	STEP PC7	SC :PD11
DIR PB4	DIR PD5	DIR PD2	DIR PC6	NC

PWR LED

HE2 PA3

HE1 PB0

HE0 PB1

HOT-BED PD12

POWER DC12V24V

USB D- PA11 D+ PA12

3D TOUCH GND 5V PA8

USART3 RX3 PB11 TX3 PB10 GND 5V

MCU-CAN GND CANL VIN CANH

MCU-TF DET PC4 CS PC9 SCK PC10 DO PC11 DI PC12

CANRX PB12 CANTX PB13

PI-TS35

IO	GND	5V	1-C7	1-C3	1-D1	1-B4	1-C0	1-D0
ADXL345	GND	3.3	1-C2	1-C1	1-B5	MISO	MOSI	SCK

