



LangYa2



HUST ROBOMASTER

Comment	Description	Designator	Footprint	LibRef	Quantity
TF booth		*3	TF_booth	TF booth	1
3V3		?	TP_SMT	TP	1
5V		?	TP_SMT	TP	1
Logo		?	logo_langya - dupli	Logo	1
Cap	Capacitor	C39, C40, C41, C42,	0603C	Cap	10
2.2uF/0603/50V	Capacitor	C44, C49	0603C	Cap	2
100nF	Capacitor	C45	0603C	Cap	1
	Capacitor	C46, C47, C48	0603C	Cap	3
1uF	[NoValue], Capacito	C50, C61, C63	0603C	Cap	3
4.7uF		C51	0603C	Cap	1
10nF		C52	0603C	Cap	1
10uF	Capacitor	C58, C59, C64, C65	805	Cap	4
100nF/0603/50V	Capacitor	C60	0603C	Cap	1
0.1uF	Capacitor	C62, C66, C67, C68	0603C	Cap	4
1uF/0603/50V	Capacitor	C69	0603C	Cap	1
1uF	Capacitor	C70	805	Cap	1
22pF	Capacitor	C71	0603C	Cap	1
2.2uF	Capacitor	C72	805	Cap	1
SMBJ24A	Zener Diode	D9	SMB/DO-214AA	D Zener	1
S14	Schottky Diode	D11	SOD-323-	D Schottky	1
SS54	Schottky Diode	D12	SMA/DO-214AC	D Schottky	1
GND		GND?	TP_VIA	TP	1
10mH/0402	Inductor	L7, L8, L10	603	Inductor	3
Inductor	Inductor	L9	1812	Inductor	1
10uH	Inductor	L11	XAL6060-103MEB	Inductor	1
RM_logo		LangYa2	RM_logo 560mil*460	RM_logo	1
LED_RED	Typical RED, GREEN	LDG2	0603LED_G	LED	1
LED_RED	Typical RED, GREEN	LDR3, LDR4	0603LED_R	LED	2
Double_Color_LED		LED2	0805LEDX2	Double_Color_LED	1
XT30/60/90		P1, P2, P3, P4	XT30UPB-FEMALE	XT30/60/90	4
裁判系统/GH1.25-3p立式		P13	A1254-03AWB	UART_3pin	1
RS485_1		P14	A1254-03AWB	UART_3pin	1
RS485_2		P15	A1254-03AWB	UART_3pin	1
HY2.0		P16, P19	HY2.00MM 2X1_立式	HY2.0	2
A1.25W-2F		P17, P20	GH1.25-2p-卧贴	CAN_GH1.25	2
USART/UART	带电源串口	P18	HY2.00MM 4X1立式	UART_4pin	1
PGND		PGND?	TP_VIA	TP	1
NMOS	SON 5x6	Q7, Q8, Q9, Q10	SON5x6	NMOS	4
CSD18543	SON 5x6	Q11, Q12	Q3A	NMOS	2
680	Resistor	R45, R50, R52, R55	0603R	Res1	4
10k	Resistor	R46, R47, R60, R61,	0603R	Res1	11
120	Resistor	R48, R53	0603R	Res1	2
1K/5%	Resistor	R49, R51, R54, R56,	0603R	Res1	7
560	Resistor	R64	0603R	Res1	1
Res1	Resistor	R65, R66, R67, R76,	0603R	Res1	5
4.7	Resistor	R68	0603R	Res1	1
0.01R/2512/1%	Resistor	R70	2512	Res2	1
1%	Resistor	R73	0603R	Res1	1
100	Resistor	R74	0603R	Res1	1
10K/5%	Resistor	R77, R78, R79, R80,	0603R	Res1	6
2	Resistor	R84	0603R	Res1	1
1	Resistor	R85	0603R	Res1	1
100k	Resistor	R86	0603R	Res1	1
KEY	Button	S3	SW 3mmx4mm	PushButton_2p	1
SW_DIP		S4	SW_DIP_2X2	SW_DIP	1
Header 4	Header, 4-Pin	SW2	HDR1X4	Header 4	1
SP485R		U10, U14	SOP-8	SP485R	2
TCAN330	3.3 V CAN Transceiv	U11, U13	SOT-23-8	SN65HVD232D	2
STM32F405RB		U12	LOFP_64	STM32F105RB	1
INA260	Precision Digital Cur	U15, U16	TSSOP-16	INA260	2
MP2451		U17	MP2451_PowerMod	MP2451_PowerMod	1
LTC1473LCGN	Dual Low Voltage P	U18	LT-GN-16_N	CMP-0479-00093-1	1
SPX5205M5-3.3V		U19	SOT-23-5_L	SPX5205M5-3.3V	1
BQ24640RVAT	High Efficiency Sync	U20	BQ24640	BQ24640RVAT	1
U_IN6		U_CAP?	TP_SMT	TP	1
8M	Crystal Oscillator	Y2	NX5032GA	XTAL	1