



Khởi này bộ



Comment	Description	Designator	Footprint	LibRef	Quantity	Variant
106	Cap SMD	C1, C2, C8, C17, C18, C19, C20, C21	SM-0805	CM	8	
0.1uF	Cap SMD	C3	SM-0805	CM	1	
JP4	WR-PHD 2.54 mm Angled Socket Header	C4	HDR2.54 4DV	JP4	1	
1nF	Cap SMD	C5, C6	SM-0805	CM	2	
JP3	WR-PHD 2.54 mm Angled Socket Header	C7	HDR2.54 3DV	JP3	1	
JP5	WR-PHD 2.54 mm Angled Socket Header	C9	JP5-C1T	JP5	1	
JP5	WR-PHD 2.54 mm Angled Socket Header	C10	HDR2.54 5DV	JP5	1	
JP5x2	WR-PHD 2.54 mm Dual Socket Header	C11	JP5-D2T	JP5x2	1	
JP4x2	WR-PHD 2.54 mm Dual Socket Header	C12	JP4-D2T	JP4x2	1	
1000uF/25V	Cap 1000uF/16V - 220uF/50V	C13, C14, C15, C16	CP1.5/3.4	CP4	4	
JP8x2	WR-PHD 2.54 mm Dual Socket Header	C22	61201621621	JP8x2	1	
104	Cap SMD	C23, C24, C25, C26, C27, C28, C29, C31, C33, C34, C35, C36	SM-0805	CM	12	
22P	Cap SMD	C30, C32	SM-0805	CM	2	
Diode		D1, D2, D4	DIO-SMD-106	Diode	3	
3V6	Diode Zener	D3	SOD123	Diode Zener	1	
Fuse		F1, F2, F3	RES-SMD-1812	FUSE	3	
RS232 - RS485 (Same sn75176)		IC1	SO8	MAX485	1	
KF4		J1	KF 4-5.08	KF4	1	
220mH	Magnetic-Core Inductor	L1	INDUCTOR 3A VERTICAL	Inductor Iron	1	
LCD 16x2A	LCD display 16 char, 2 line	LCD1	LCD16X2	LCD16x2A	1	
LED		LED1	SM-LED-0805-Green	LED	1	
LED		LED2	SM-LED-0805-Blue	LED	1	
LED		LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10	LED-5-BLUE	LED	8	
2N3904	NPN 600mW, ECB	Q1	SOT23-231	2N3904	1	
1k	Resistor R1/4W	R1, R3, R5, R12, R13, R14, R15, R16, R17, R18, R19	RES-SMD-0805	R	11	
330R	Resistor R1/4W	R2, R10, R11, R25	RES-SMD-0805	R	4	
120R	Resistor R1/4W	R4	RES-SMD-0805	R	1	
10K	Resistor R1/4W	R6, R7, R8, R9, R21, R28, R31, R32, R33, R34, R35, R36, R39, R40	RES-SMD-0805	R	14	
2k4	Resistor R1/4W	R20, R26	RES-SMD-0805	R	2	
27k	Resistor R1/4W	R22, R29	RES-SMD-0805	R	2	
68k	Resistor R1/4W	R23, R30	RES-SMD-0805	R	2	
4k7	Resistor R1/4W	R24, R27	RES-SMD-0805	R	2	
22R	Resistor R1/4W	R37, R38	RES-SMD-0805	R	2	
=partNo	WS-DITV 2.54 mm small compact THT flat actuator with top tape	S1	SW-DIP8	SWDIP8	1	
SW	Switch-Button	S2	BUTTON-SMD 2PIN	SW-Button	1	
SB		SB1, SB2, SB3	SB	SB	3	
Speaker	Speaker Chip	SP1	SPK	SPK	1	
Tact Switch		SW1, SW2, SW3, SW4, SW5	SW4_12X12_LAGER	SW4	5	
PSD12C		TVS1, TVS2, TVS3, TVS4	DIO-SMD-B	Diode TVS	4	
74HC14		U1	SO14	74HC14	1	
78XX		U2	TO252-123	LM78XX	1	
AMS1117		U3	SOT223	AMS117	1	
STM32F103C8T6TR	ARM Cortex-M3 32 bit MCU, 64 KB Flash, 20 KB Internal RAM, 37 I/Os, 48-pin LQFP, -40 to 85 degC, Tape and Reel	U4	STM-LQFP48_N	STM32F103C8T6TR	1	
10k		VR1	VR-S2	Resistor Var	1	
8Mhz	Crystal, 32.768 KHz, -40 to 85 degC, 3.2 x 1.5 x 0.9 mm SMD	X1	XT2	XT2	1	