

EVALSTPM3X-3PH board - BOM V1.1

Items	Quantity	Position	Description
1	2	C34 C63	CAP0603,10pF NPO 5% 50V
2	2	C1-2	CAP0603,20pF NPO 5% 50V
3	2	C3-4	CAP0603,27pF NPO 5% 50V
4	2	C7 C9	CAP0603,220pF NPO 5% 50V
5	3	C8 C13 C18	CAP0603,10nF X7R 10% 25V
6	3	C5 C10 C15	CAP0603,22nF X7R 10% 25V
7	1	C48	CAP0603,33nF X7R 10% 25V
8	31	C20-22 C24 C27-29 C31 C37-38 C40-41 C44-45 C47 C49-53 C55 C57-62 C64-67 C6 C11	CAP0603,100nF X7R 10% 25V
9	2	C25 C32	CAP0603,1uF X7R/X5R 10% 10V
10	1	C35	CAP0603,2.2uF X7R/X5R 10% 10V
11	2	C23 C30	CAP0603,4.7uF X7R 10% 10V
12	7	C36 C39 C42-43 C46 C54 C56	CAP0805,10uF X7R/X5R 10% 10V
13	1	C14	1210 100uF 6.3V
14	6	R6 R14 R18 R20 R30 R28 R85	0603 0R 5%
15	3	R31-32 R54	0603,22 5%
16	2	R64-65	0603,27 5%
17	7	R37-40 R43 R93 R83 R84	0603,100 5%
18	1	R61	0603,200 5%
19	4	R50 R63 R70-71	0603,330 5%
20	1	R68	0603,470 5%
21	14	R12 R15-17 R26-27 R34-36 R48 R72 R74-75 R81	0603,1k 5%
22	3	R5 R19 R29	0603,1.2K 0.5% 50PPM
23	1	R66	0603,1.5K 5%
24	9	R44 R58 R62 R73 R76-80	0603,4.7k 5%
25	5	R41 R42 R60 R67 R69	0603,10K 5%
26	4	R57 R59 R82 R92	0603,20K 5%
27	3	R11 R13 R25	0805,6.8 0.5% 50PPM
28	18	R1-4 R7-10 R21-24 R33 R46 R47 R49 R51 R52	0805,300k 1% 100PPM
29	2	FB1 FB3	0805,Ferrite Bead 220R@100MHz
30	2	D7-8	TVS SMB,PANJIT SMBJ6.0CA
31	3	D1 D4 D6	LED Green 0805
32	3	D2 D3 D5	LED Red 0805
33	1	Q3	SOT23 BC847BLT1
34	3	Q1 Q2 Q4	SOT23 BC857BLT1
35	2	PTC1-2	PTC,51R
36	3	VR1 VR2 VR3	14D-681K
37	1	CON4	USB interface,USB Type B female
38	1	CON13	5V Power interface
39	9	CON6(2P) CON7(2P) CON8(2P) CON13(1P) TP4 TP9	Pin,REACTIVE and ACTIVE pulse output CON, test pin
40	3	CON1-3	CT onboard class 0.1, 5(60)A/2mA 2500:1 10ohm WSD-703D WSD(嘉兴威士顿)
41	1	CON9	SPI_HEADER,Main MCU port 2*5Pin 2.54mm
42	1	CON5	Connector, for SWIM, 4Pin male
43	1	K1	PUSH_KEY 6*6*5mm SMD
44	1	Y1	Crystal, HC-49S 16MHz
45	1	Y2	Crystal,HC-49S 6MHz
46	1	U7	RS485 SO8,ST ST485EB/EC/ERB
47	1	U8	MCU LQFP32,ST STM8S903K3
48	1	U1	Metrology QFN32,ST STPM33
49	1	U9	Metrology QFN32,ST STPM34
50	2	U11-12	Photocoupler SMD4 Toshiba TLP781
51	1	U18	Isolator SOIC16 AD ADUM1412/2402
52	1	U14	Isolator SOIC16 AD ADUM1411/2401
53	1	U10	Photocoupler SO6 Toshiba TLP2368
54	1	U5	SO8 AD S18400AB-B-IS
55	1	U6	USB Driver LQFP32 FTDI FT232BL
56	2	U2 U15	LDO SOT223 ST LD1117S33CTR
57	1	U22	DC-DC 5V-5V TI DCH010505SN7
58	1	J1	SIP3
59	1	J2	SIP2
60	1	CON18	2*5 2.54mm female connector
61	5		Copper Cylinder 3*20mm+6mm
62	1	Meter base, cover	
63	1	PCB	PCB FR4 1.6mm
64	3	CON10-12	CT Fixed on Base, class 0.1, 5(60)A/2mA 2500:1 10ohm WSD-707D-U WSD(嘉兴威士顿)