

Sales code: STEVAL-IHM029V2	Project code:
Company: STMicroelectronics	Project name: 900 W Universal Motor Control evaluation board with STM8S103, T-series TRIAC and VIPer+

Index	Quantity	Reference	Value / Generic Part Number	Package / Class	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	1	C1	47nF 275V~ X2	Foil X2 capacitor, RM 15mm	Any	
2	2	C2,C3	4.7uF/400V (450V)	El. capacitor, 5mm, 105°C	Any	
3	2	C6,C9	10uF/25V	El. capacitor, 2.5mm	Any	
4	2	C4,C22	1nF	Capacitor, SMD 0805	Any	
5	3	R2,R3,C5	not mounted	-	-	
6	2	C7,C10	100nF	Capacitor, SMD 0805	Any	
7	1	C8, C58	100uF/25V	El. capacitor, 3.5mm	Any	
8	2	C11,C23	10nF	Capacitor, SMD 0805	Any	
9	1	C12	1uF	Capacitor, SMD 1206	Any	
10	1	DL1	LED Green	Universal LED 3mm, 20mA	Any	
11	5	DL2,DL3,DL4,DI5,DL6	LED Red	Universal LED 3mm, 20mA	Any	
12	2	D1,D2	1N4007	Standard rectifier, SMD	Any	
13	3	D3,D4,D5	STTH1R06	Ultrafast HV rectifier, SMA	STMicroelectronics	STTH1R06
14	1	D6 (not mounted)	P6KE400CA (not mounted)	Transil DO-15	STMicroelectronics	P6KE400CA
15	2	J1,J2	CON 5mm, 2P	Connector RM 5mm, 2-pole, screw	Any	
16	1	J3	Stip line 4P 2.54mm	Standard vertical, 2.54mm	Any	
17	1	L1	1mH	Radial inductor, 5mm	Any	
18	1	L2	470uH	Radial inductor, 5mm	Any	
19	1	P1	50kΩ Trimmer + Shaft	15mm Horizontal + 25.5mm Shaft	Any	
20	1	RV1	Varistor 275VV 595+	275V~ 7.5mm	Any	
21	1	R1	47Ω	2W 5% Metal or Carbon	Any	
22	1	R4	33kΩ	Resistor, SMD 0805, 1%	Any	
23	1	R5	90kΩ	Resistor, SMD 0805, 1%	Any	
24	2	R24,R25	220kΩ 0.6W 1%	Metal resistor, through hole, 1%	Any	
25	1	R26	75Ω 0.6W 1%	Metal resistor, through hole, 1%	Any	
26	6	R27,R28,R29,R30,R31,R32	680Ω	Resistor, SMD 1206, 1%	Any	
27	2	TP1,TP2	Test Point	Any	Any	
28	1	TR1	T1235T-8T	12A TRIAC, TO-220AB	STMicroelectronics	T1235T-8T
29	1	H1	Heatsink	V7142A 25x23x16 Gold or Black	Any	
30	1	U1	VIPer16LN	Off-line converter, DIP-7	STMicroelectronics	VIPer16LN
31	1	U2	L7905CP	Neg. voltage regulator in TO-220FP	STMicroelectronics	L7905CP
32	1	U3	STM8S103F2P6	8-bit MCU, 4kBytes, TSSOP20	STMicroelectronics	STM8S103F2P6
33	5	SCR1,SCR2,SCR3,SCR4,SCR5	Screw	M3, 10mm long	Any	
34	4	DST1,DST2,DST3,DST4	Distance	M3, 15mm long	Any	