

## PROJECT NAME: STEVAL-ILD005V1

## BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	1	U1	CD4025BM		Triple 3 Input Nor Gate in 14-lead dual in line plastic micropackage		SOIC-14		
2	2	Q1, Q2	STF17N62K3	600 V, 17 A	N-channel 600 V, 0.168 Ohm, 17 A MDmesh(TM) II Power MOSFET		TO-220FP	ST	STF17N62K3
3	1	P1A/P1B	1MΩ	0.4 Watts	Type 23 Series Switched Type Single Linear Potentiometer	±20%	20,4mm x 17mm	Tyco Electronics	23ESA105MMF50AF1624204-2
4	12	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12	12kΩ	2 Watts	3521 Series SMD Power Resistors Thick film	±1%	SMD 2512	TE connectivity	352112KFT
5	2	R13, R14	2.2kΩ	0.25 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 1206	Tyco Electronics	ANY
6	2	R15, R16	100kΩ	0.125 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 0805	Tyco Electronics	ANY
7	2	R17, R18	10kΩ	0.25 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 1206	Tyco Electronics	ANY
8	2	R19, R20	1kΩ	0.25 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 1206	Tyco Electronics	ANY
9	1	R21	1MΩ	0.25 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 1206	Tyco Electronics	ANY
10	1	R22	560kΩ	0.25 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 1206	Tyco Electronics	ANY
11	1	R23	150kΩ	0.25 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 1206	Tyco Electronics	ANY
12	1	R24	120kΩ	0.25 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 1206	Tyco Electronics	ANY
13	1	VR1	Max. Voltage 420V		Varistore ossido metallo 420 tipo S07		RADIAL 9 Dia. x 5.4mm	Epcos	B72207S0421K101 B72207S421K101
14	1	R26	0Ω	0.25 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 1206	Tyco Electronics	ANY
15	2	R27, R28	22kΩ	0.25 Watts	Type CRG Series SMD Resistors Thick film	±1%	SMD 1206	Tyco Electronics	ANY
16	5	D1, D2, D3, D4, D7	S1M	1A (IF) 1000V (VRRM)	Glass Passivated, Low leakage Rectifier		SMA/DO-214AC	Fairchild	S1M
17	2	D5, D6	1N4007	1A (IF) 1000V (VRRM)	General Purpose Rectifier		DO-41	Fairchild	1N4007
18	1	D8	BZV55B15	15V (VZ) 5mA (IZ)	Diodo Zener		SOD80	NXP	BZV55-B15
19	2	C1, C2	2.2nF 16V	0.25 Watts	SMD Capacitor	±5%	SMD 1206	ANY	ANY
20	1	C4	47uF	25V	Electrolytic Capacitor	±20%	Radial 5 mm (DIA) x 11mm	ANY	ANY
21	1	C3	100nF 16V	0.25 Watts	SMD Capacitor	±5%	SMD 1206	ANY	ANY
22	1	C5	22nF	100Vcc	Polyester Film Capacitor	±5%	2.5 x 6.5 x 7.2mm	Kemet	R82EC2220DQ50J
23	1	C6	N.M.		Polyester Film Capacitor	±5%	2.5 x 6.5 x 7.2mm	N.M.	N.M.
24	1	Rfuse		5A/250Vac	FUSE, QUICK BLOW, TR5, 5A		8.5mm x 8mm TR5	LITTELFUSE	37015000430
25	1	FUSE HOLDER		6.3A/250Vac	FUSE HOLDER, PCB, TR5		8.5mm x 8mm TE5, TR5	LITTELFUSE	56000001009
26	1	J1	Clamp PCB 2 ways	16A/450Vac			THR pitch 5,08 mm	Euroclamp	MV252-5,08-V