

FRG-100CTL

Reference	Qty	Value	DNP	Exclude from BOM	Exclude from Board	Footprint	Datasheet
C1	1	450uf				Capacitor_THT:CP_Radial_D10.0mm_P5.00mm	~
C2,C8	2	.1 uf				Capacitor_THT:C_Disc_D7.5mm_W2.5mm_P5.00mm	~
C3,C5	2	.33uf				Capacitor_THT:C_Disc_D7.5mm_W2.5mm_P5.00mm	~
C4,C7	2	.1uf				Capacitor_THT:C_Disc_D7.5mm_W2.5mm_P5.00mm	~
C6	1	.01uf				Capacitor_THT:C_Disc_D7.5mm_W2.5mm_P5.00mm	~
C9,C10	2	200uf				Capacitor_THT:CP_Radial_D5.0mm_P2.50mm	~
C11	1	.1 uf				Capacitor_THT:C_Disc_D7.0mm_W2.5mm_P5.00mm	~
D1	1	1N4003				Diode_THT:D_DO-41_SOD81_P10.16mm_Horizontal	<a href="http://www.vishay.com/docs/88503/1n4001.pdf">http://www.vishay.com/docs/88503/1n4001.pdf</a>
J1	1	Screw_Terminal_01x02				TerminalBlock_MetzConnect:TerminalBlock_MetzConnect_Type011_RT05502HBWC_1x02_P5.00mm_Horizontal	~
J2	1	Conn_01x04_Pin				Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	~
J3	1	Conn_01x03_Pin				Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical	~
R1	1	1K				Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	~
R2	1	2K				Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P7.62mm_Horizontal	~
U1	1	ESP32-DEVKIT-V1				ESP32-DEVKIT-V1:MODULE_ESP32_DEVKIT_V1	
U2	1	LM7812				Package_TO_SOT_THT:TO-220-3_Vertical	<a href="https://www.onsemi.cn/PowerSolutions/document/MC7800-D.PDF">https://www.onsemi.cn/PowerSolutions/document/MC7800-D.PDF</a>
U3	1	LM7805				Package_TO_SOT_THT:TO-220-3_Vertical	<a href="https://www.onsemi.cn/PowerSolutions/document/MC7800-D.PDF">https://www.onsemi.cn/PowerSolutions/document/MC7800-D.PDF</a>