Ref Value Footprint C1 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C2 2.2uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C3 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C4 100nF Capacitor_SMD:C_1206_3216Metric_Pad1.13x1.45mm_HandSolder C5 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C6 4.7uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C7 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C8 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C9 2.2uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C10 4.7uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C15 33uF/100V Capacitor_SM	Component Count:	104	1
C2 2.2uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C3 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C4 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C5 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.18x1.45mm_HandSolder C6 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C7 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C8 470uF Capacitor_TTT:CP_Radial_D16.0mm_P7.50mm C9 2.2uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C10 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.18x1.45mm_HandSolder C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_TTT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17	•	Value	Footprint
C3 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C4 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C5 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C6 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C7 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C8 470uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C10 4.7uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	C1	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C4 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C5 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C6 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C7 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C8 470uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C10 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.18x1.45mm_HandSolder C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21<	C2	2.2uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C5 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C6 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C7 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C8 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C9 2.2uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C10 4.7uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V	C3	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C6 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C7 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C8 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C9 2.2uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C10 4.7uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder <	C4	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C7 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C8 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C9 2.2uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C10 4.7uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23	C5	4.7uF	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
C8 470uF Capacitor_THT:CP_Radial_D16.0mm_P7.50mm C9 2.2uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C10 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.3x1.80mm_HandSolder C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C2	C6	4.7uF	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
C9 2.2uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C10 4.7uF Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_TTT:CP_Radial_D6.3mm_P2.50mm C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder <	C7	470uF	Capacitor_THT:CP_Radial_D16.0mm_P7.50mm
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C11 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder <	C9	2.2uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C12 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder <tr< td=""><td>C10</td><td>4.7uF</td><td>Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder</td></tr<>	C10	4.7uF	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder
C13 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.5x2.65mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.5x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.5x2.65mm_HandSolder D3 SS310	C11	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C14 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C15 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310	C12	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C15 33uF/100V Capacitor_THT:CP_Radial_D8.0mm_P2.50mm C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:D_2010_5025Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 </td <td>C13</td> <td>100nF</td> <td>Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder</td>	C13	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C16 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	C14	33uF/100V	Capacitor_THT:CP_Radial_D8.0mm_P2.50mm
C17 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder <t< td=""><td>C15</td><td>33uF/100V</td><td>Capacitor_THT:CP_Radial_D8.0mm_P2.50mm</td></t<>	C15	33uF/100V	Capacitor_THT:CP_Radial_D8.0mm_P2.50mm
C18 33nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C19 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8<	C16	33nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C19 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310	C17	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C20 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C21 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	C18	33nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C21 100uF/35V Capacitor_THT:CP_Radial_D6.3mm_P2.50mm C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 S310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 S310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 S310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 S310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 S310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 S3310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	C19	100uF/35V	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm
C22 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	C20	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C23 100nF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	C21	100uF/35V	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm
C24 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	C22	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C25 1uF Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	C23	100nF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
D1 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	C24	1uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
D2 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	C25	1uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
D3 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	D1	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D4 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	D2	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D5 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	D3	SS310	
D6 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	D4	1N4007	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D7 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	D5	SS310	
D8 1N4007 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder	D6	SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D9 SS310 Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder		SS310	Diode_SMD:D_2010_5025Metric_Pad1.52x2.65mm_HandSolder
D51 LED1 LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder			
	D51	LED1	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder

```
D52
                   LED2
                                  LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
F1
                   35A
                                  ESP32:Mini Blade
F2
                   35A
                                  ESP32:Mini Blade
H1
                   MountingHole
                                  MountingHole:MountingHole_2.7mm
H2
                   MountingHole
                                  MountingHole: MountingHole 2.7mm
Н3
                   MountingHole
                                  MountingHole: MountingHole 2.7mm
H4
                   MountingHole
                                  MountingHole:MountingHole 2.7mm
J1
                   Solar-Battery
                                  ESP32:Conn-Screw-4-term
                                  Connector_JST:JST_XH_B8B-XH-A_1x08_P2.50mm Vertical
J2
                   Interface
J3
                   10k Thermistor
                                  Connector_JST:JST_XH_B2B-XH-A_1x02_P2.50mm_Vertical
J4
                   Conn 01x02
                                  Connector JST:JST XH B2B-XH-A 1x02 P2.50mm Vertical
                   ADS1015 Module Connector_JST:JST_XH_B10B-XH-A_1x10_P2.50mm_Vertical
J5
J6
                   TFT
                                  Connector_JST:JST_XH_B5B-XH-A_1x05_P2.50mm_Vertical
J8
                   5V
                                  Connector_JST:JST_XH_B2B-XH-A_1x02_P2.50mm_Vertical
                   60uH
                                  Inductor THT:L Toroid Vertical L41.9mm W17.8mm P12.70mm Pulse
L1
L2
                   100uH/1A
                                  Inductor SMD:L Taiyo-Yuden NR-60xx HandSoldering
L3
                   100uH/1A
                                  Inductor SMD:L Taiyo-Yuden NR-60xx HandSoldering
Q1
                   CSD19505
                                  Package_TO_SOT_THT:TO-220-3_Vertical
Q2
                   CSD19505
                                  Package TO SOT THT:TO-220-3 Vertical
Q3
                   CSD19505
                                  Package_TO_SOT_THT:TO-220-3_Vertical
                   Si2306
Q4
                                  Package_TO_SOT_SMD:SOT-23
Q5
                   Si2306DS
                                  Package TO SOT SMD:SOT-23
R1
                   200k
                                  Resistor SMD:R 0805 2012Metric Pad1.20x1.40mm HandSolder
                   5.1k
R2
                                  Resistor SMD:R 0805 2012Metric Pad1.20x1.40mm HandSolder
R3
                   3.3k
                                  Resistor SMD:R 0805 2012Metric Pad1.20x1.40mm HandSolder
R4
                   10k
                                  Resistor SMD:R 0805 2012Metric Pad1.20x1.40mm HandSolder
                                  Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R5
                   1k
R6
                   10k
                                  Resistor SMD:R 0805 2012Metric Pad1.20x1.40mm HandSolder
                                  Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm HandSolder
R7
                   10k
R8
                   100k
                                  Resistor SMD:R 0805 2012Metric Pad1.20x1.40mm HandSolder
R9
                              100 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R10
                              100 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
                                  Resistor SMD:R 0805 2012Metric_Pad1.20x1.40mm_HandSolder
                   100k
R11
R12
                   10k
                                  Resistor SMD:R 0805 2012Metric Pad1.20x1.40mm HandSolder
                                  Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R13
                   10k
R14
                                  Resistor SMD:R 0805 2012Metric Pad1.20x1.40mm HandSolder
                   10k
                                  Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R15
                   1k
```

R17 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R18 18k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R19 3300 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R20 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R21 18k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R22 2000 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R23 3300 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R24 5600 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R25 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R26 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20	R16	47k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R19 3300 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R20 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R21 18k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R22 2000 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R23 3300 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R24 5600 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R25 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R26 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	R17	47k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R20 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R21 18k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R22 2000 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R23 3300 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R24 5600 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R25 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R26 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	R18	18k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R21 18k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R22 2000 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R23 3300 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R24 5600 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R25 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R26 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R35 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	R19	3300	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R22 2000 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R23 3300 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R24 5600 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R25 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R26 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resis	R20	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R23 3300 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R24 5600 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R25 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R26 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0	R21	18k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R24 5600 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R25 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R26 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 <	R22	2000	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R25 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R26 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:TO-252-5_TabPin3 U2 B1212 ESP32:B12	R23	3300	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R26 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 1 ACS712xLCTR-30/Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S	R24	5600	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R27 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30, Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:TO-25	R25	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R28 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30/Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module_XL7015 U	R26	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R29 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30, Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3	R27	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R30 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30/Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R28	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R31 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30.Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R29	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R32 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30/Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R30	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R33 47k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30/Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R31	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R34 1k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30/Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R32	47k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R36 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30, Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R33	47k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R37 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30/Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R34	1k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R38 10k Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30/Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R36	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R39 0 Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder U1 ACS712xLCTR-30/Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R37	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
U1 ACS712xLCTR-30/ Package_SO:SOIC-8_3.9x4.9mm_P1.27mm U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R38	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
U2 B1212 ESP32:B1212S U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	R39	C	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
U3 AMS1117-5.0 Package_TO_SOT_SMD:SOT-223-3_TabPin2 U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	U1	ACS712xLCTR-30	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm
U4 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	U2	B1212	ESP32:B1212S
U5 XL7015 Package_TO_SOT_SMD:TO-252-5_TabPin3 U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	U3	AMS1117-5.0	·
U6 XL7015_Module ESP32:Module_XL7015 U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	U4	XL7015	Package_TO_SOT_SMD:TO-252-5_TabPin3
U7 IR2104 Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	U5	XL7015	Package_TO_SOT_SMD:TO-252-5_TabPin3
	U6	XL7015_Module	ESP32:Module_XL7015
U8 ESP-WROOM-32SESP32-Footprints:ESP-WROOM-32S	U7	IR2104	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm
	U8	ESP-WROOM-32	SESP32-Footprints:ESP-WROOM-32S
U9 XL7015_Module ESP32:Module_XL7015	U9	XL7015_Module	ESP32:Module_XL7015