|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  | **Qtd** |  | **CAPACITOR** | **Substituição Replacement** |  |  |
|  | **1** | **22pF** | **cerâmico 50v ou mais** | **18pF 27pF** | **C7** |  |
|  | **2** | **100pF** | **cerâmico 50v ou mais** |  | **C33, C34** |  |
|  | **2** | **180pF** | **cerâmico 50v ou mais** | **220pF** | **C2, C3** |  |
|  | **1** | **1nF** | **cerâmico 50v ou mais** |  | **C21** |  |
|  | **29** | **100nF** | **cerâmico 50v ou mais** | **47nF Ceramico ou multicamada** | **C4, C5, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C22, C23, C25, C26, C27,C31, C32, C35, C36, C37, C38, C39, C40, C41** |  |
|  | **1** | **1µF** | **eletrolitico 16V** | **10V ou mais** | **C28** |  |
|  | **1** | **4,7µF** | **eletrolitico 16V** | **16V ou mais** | **C24** |  |
|  | **1** | **100µF** | **eletrolitico 16V** | **16V ou mais** | **C29** |  |
|  | **1** | **220µF** | **eletrolitico 16V** | **10V ou mais** | **C30** |  |
|  | **2** | **4-46pF**  | **trimmer**  |  | **C1,C6** |  |
|  |  |  | **RESISTOR** |  |   |  |
|  | **3** | **4R7** | **5 ou 10% 1/8W ou 1/4W** |   | **R13, R20, R33** |  |
|  | **1** | **10R** | **5 ou 10% 1/8W ou 1/4W** |   | **R43** |  |
|  | **2** | **22R** | **5 ou 10% 1/8W ou 1/4W** |   | **R10, R38** |  |
|  | **3** | **47R** | **5 ou 10% 1/8W ou 1/4W** |   | **R7, R8, R42** |  |
|  | **1** | **100R** | **5 ou 10% 1/8W ou 1/4W** |   | **R18** |  |
|  | **3** | **180R** | **5 ou 10% 1/8W ou 1/4W** |   | **R15, R22, R34** |  |
|  | **5** | **220R** | **5 ou 10% 1/8W ou 1/4W** |   | **R5, R9, R11, R37, R39** |  |
|  | **9** | **1k** | **5 ou 10% 1/8W ou 1/4W** |   | **R2, R3, R4, R12, R19, R31, R32, R36, R41** |  |
|  | **6** | **2k2** | **5 ou 10% 1/8W ou 1/4W** |   | **R14, R17, R21, R30, R35, R40** |  |
|  | **2** | **4k7** | **5 ou 10% 1/8W ou 1/4W** |   | **R26, R28** |  |
|  | **1** | **10k** | **5 ou 10% 1/8W ou 1/4W** |   | **R24** |  |
|  | **1** | **47k** | **5 ou 10% 1/8W ou 1/4W** |   | **R1** |  |
|  | **2** | **100k** | **5 ou 10% 1/8W ou 1/4W** |   | **R25, R27** |  |
|  |  |  |  |   |  |  |
|  | **1** | **470R** | **trimpot** |   | **R6** |  |
|  | **2** | **1k** | **trimpot** |   | **R16, R23** |  |
|  | **1** | **100k** | **trimpot** |   | **R29** |  |
|  |  |   | **Indutores** |   |   |  |
|  | **1** | **10µH** |  | **12µH** | **L1** |  |
|  | **2** | **toroide FT37-43** | **Trifilar 4 voltas** | **toroide de lampadas economicas** | **L2, L5** |  |
|  | **6** | **22µH** |  | **15 a 33µH** | **L3, L4, L6, L7, L8, L9** |  |
|  |  |  |  | **Cristal** |  |  |
|  | **5** | **10MHz**  | **HC49** |  | **X1, X2, X3, X4, X5**  |  |
|  |  |  |  | **Semicondutor** |  |  |
|  | **1** | **4V7** | **1/4W Zenner** | **1/2W ou 1W** | **D1** |  |
|  | **12** | **1N4148** |  |  | **D2, D3, D4, D5, D6, D7 , D8, D9, D10, D11, D12, D13** |  |
|  | **10** | **2N3904** |  | **2N2222, BC548b, BC547B, BC548C, BC546C, BC337** | **Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10** |  |
|  | **1** | **LM386N1** |  |  | **U1** |  |
|  |  |  |  |  |  |  |