In the pdf document, the circuit diagram is represented with various components such as resistors (R1, R2, R3, etc.), capacitors (C1, C2, C3, etc.), inductors (L1, L2, etc.), diodes (D1, D2, etc.), and various types of ICs (U1, U2, etc.). The circuit includes connections for power supply (+3.3V, GND), input/output pins (IN+, IN-, OUT, etc.), and other necessary connections for proper functioning of the TeleFireEight system. The components are labeled with their respective values and functions, allowing for a clear understanding of the electronic design.