

| Item | QTY | REF.     | Value            | Part DESC                              | PCB Footprint | Manufacturer |
|------|-----|----------|------------------|--|---------------|--------------|
| 2    | 1   | Y1       | 12MHz/20PPM/12PF | CRYSTAL 2MMX6MM 12MHz +/-20PPM/CL=12pF | DIP 2MMX6MM   |              |
| 3    | 1   | U1       | LT8900           | LT8900 DICE                            | DICE          | LDT          |
| 5    | 1   | U4       | QX2304           | QX2304 SOT89                           | SOT-89        | QXMD         |
| 6    | 1   | U3       | SH68F090         | SH68F090 DICE OTP                      | DICE          | SINOWEALTH   |
| 7    | 1   | C1       | 0.1uF            | CAP SMD Y5V 0.1uF 0402 +80% -20%       | 0402          |              |
| 8    | 1   | C9 (NC)  | 10uF             | CAP SMD 10uF 6V3 0603 +80% -20%        | 0603          |              |
| 9    | 1   | C11      | 4.7uF            | CAP SMD 4.7uF 6V3 0603 +80% -20%       | 0603          |              |
| 10   | 2   | C4 C10   | 1uF              | CAP SMD Y5V 1uF 16V 0402 +80% -20%     | 0402          |              |
| 11   | 2   | C12, C13 | 22pF             | CAP SMD NPO 22pF 50V 0402 +/-5%        | 0402          |              |
| 12   | 1   | C2       | 102              | CAP SMD NPO 102 50V 0402 +/-5%         | 0402          |              |
| 13   | 1   | L3       | 10ohm            | Inductor SMD 10ohm 16V 0402 +/-5%      | 0402          |              |
| 14   | 1   | R4       | 2.2K             | RES SMD 2.2K 0402 +/-5%                | 0402          |              |
| 15   | 1   | R12      | 680K             | RES SMD 680K 0402 +/-5%                | 0402          |              |
|      |     |          |                  |  |               |              |

Notes: PCB thickness 1mm , FR4

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