

DM9013 EVB MAIN CHIP

DM9013V2.1EVB; Revision: 2.1; January 15, 2008

Bill Of Materials May 24, 2010

| Item | Qty | Reference | Part | Note |
|------|-----|--|---------------------------|---------------------------------|
| 1 | 5 | C1,C11,C16,C21,C33 | 220uF/16V/EL CAP | |
| 2 | 29 | C2,C4,C5,C6,C7,C8,C9,C10, C12,C13,C14,C15,C17,C19, C20,C22,C23,C25,C27,C31, C34,C36,C37,C38,C40,C41, C42,C43,C44 | 0.1uF/50V/0603 | |
| 3 | 2 | C30,C29 | 22pF/50V/0603 | |
| 4 | 1 | C32 | 10uF/16V/EL CAP | Do not use if U10 is populated. |
| 5 | 2 | C35,C39 | 0.01uF/2KV/DIP | |
| 6 | 1 | D1 | 1N4148 | Do not use if U10 is populated. |
| 7 | 6 | D2,D3,D4,D5,D6,D7 | LED | |
| 8 | 8 | D8,D9,D10,D11,D12, D13,D14,D15 | LED/SMD/NC | |
| 8 | 2 | JP1,JP2 | HEADER_16X2/2.54mm | |
| 9 | 1 | JP3 | RJ-45_LED | |
| 10 | 1 | JP4 | RJ-45 | |
| 11 | 9 | J3,J4,J5,J6,J7,J8,J9,J16,J17 | JUMPER/2x1/2.54mm | |
| 12 | 1 | J11 | HEADER_16/NC | |
| 13 | 2 | J13,J12 | HEADER_3/3x1/2.54mm | |
| 14 | 1 | J14 | HEADER_7/NC | |
| 15 | 1 | J15 | TEST_POINT/NC | |
| 16 | 3 | L1,L2,L3 | 0R or F.B/120/SO805/200mA | |
| 17 | 1 | Q1 | 2SB1386 | |
| 18 | 1 | R2 | 1.4K/1%/0603 | |
| 19 | 11 | R3,R5,R6,R7,R8,R9,R10, R11,R33,R35,R36 | 4.7K/5%/0603 | |
| 20 | 1 | R12 | 10K/5%/0603 | Do not use if U10 is populated. |
| 21 | 8 | R13,R14,R15,R16,R24,R25, R26,R27 | 49.9/1%/0603 | |
| 22 | 6 | R17,R18,R19,R29,R30,R31 | 75/1%/0603 | |
| 23 | 2 | R20,R21 | 510R/5%/0603 | |
| 24 | 2 | R22,R23 | NETWORK/330R/5%/0603 | |
| | 2 | R28,R32 | NETWORK/330R/5%/0603/NC | |
| 25 | 1 | R34 | 4.7K/5%/0603/NC | |
| 26 | 3 | R37,R38,R39 | 47K/5%/0603 | |
| 27 | 1 | U2 | 74HC04/SOIC14 | |
| 28 | 1 | U3 | DM9013E/LQFP128 | |
| 29 | 1 | U4 | 93LC46/DIP8 | |
| 30 | 1 | U5 | AP1117-3.3V/SOT223 | |
| 31 | 1 | U6 | MAGCOM_HS9024 | |
| 32 | 1 | U7 | MAGCOM_HS9016 | |
| 33 | 1 | U10 | RESET_IC_(AP1701DW) | |
| 34 | 1 | Y1 | 25MHz/49US | |