

































































































6 CK APPD 1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5% REV ECN **DESCRIPTION OF REVISION** 2. ALL CAPACITANCE VALUES ARE IN MICROFARADS. DAT 3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ. 0006400877 ENGINEERING RELEASED 2016-06-14 D1X WIFI MLB (PERENNIAL) FEBRUARY 1, 2016 D CSA PAGE CONTENTS PDF PAGE PERENNIAL 76 WIFI FRONT-END 77 BOM OPTIONS: D11 JP D10 JP: POWER TY DESCRIPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION PART# PART# TROTEY DESCRIPTION CRITICAL CAP, CER, 0.3PF, +/-0.05, 01005 D10_JP IND, 0.6NH, UH-Q, 01005 CRITICAL D11_JP 131S0648 C7705_RF R7703_RF 55 53 IN PP1V8 SDRAM 152S00273 TRUE R7703 RF CRITICAL D10 JP IND, 0.7NH, UH-Q, 01005 R7711 RF CRITICAL D11_JP 152S00029 IND,1.1NH,UH-Q,01005 152S1976 CLOCKS 131S0893 CAP, CER, 0.2PF, +/-0.05, 01005 CRITICAL D10 JP CAP, CER, 3.5PF+/-0.1, 01005 R7702 RF CRITICAL D11 JP C7706 RF 55 53 N PMUGPIO_TO_WLAN_CLK32K D10_JP D11_JP 117S0161 RES,MF,0 OHM,1/32W,01005 R7711 RF CRITICAL 152S1986 TRUE IND, FILM, 2.2NH, UH-Q, 01005 R7704 RF CRITICAL CONTROL CRITICAL D10_JP CAP, CER, 0.3PF, +/-0.05PF, 01009 CRITICAL D11_JP 117S0161 RES,MF,0 OHM,1/32W,01005 R7702_RF 131S0648 C7708_RF 131S0593 TRUE CAP, 3.9PF, +/-1.0PF, 0201, HI-Q 55 53 IN PMU_TO_WLAN_REG_ON IND, 1.0NH, UH-Q, 01005 CRITICAL D10_JP CRITICAL D11_JP 152S1980 R7704_RF R6711_RF 53 IN PMU TO BT REG ON C6729_RF CRITICAL 131S0404 CAP,3.9PF,+/-1.0PF,01005 R6711_RF CRITICAL D10_JP 152S2055 IND, 7.5NH, UH-Q, 0201 55 53 AP TO BT WAKE 117S0161 TRUE RES,MF,0 OHM,1/32W,01005 152S2061 IND,7.5NH,UH-Q,01005 C6729 RF CRITICAL D10_JP R7700 RF CRITICAL D11_JP 117S0161 TRUE RES,MF,0 OHM,1/32W,01005 D11 JP CRITICAL D10_JP L7700_RF CRITICAL 117S0161 RES,MF,0 OHM,1/32W,01005 R7700 RF WLAN PCIE IND, 9.1NH, UH-Q, 01005 C7702_RF CRITICAL D10_JP 152S1853 TRUE L7701_RF CRITICAL D11_JP 152S2043 IND, 6.2NH, UH-Q, 01005 55 53 IN 90 PCIE AP TO WLAN REFCLK P CRITICAL D10_JP 117S0161 TRUE RES,MF,0 OHM,1/32W,01005 CRITICAL D11_JP 152S1998 IND, 0.8NH, UH-Q, 01005 L7700_RF R7701_RF C7705_RF 152S2043 IND, 6.2NH, UH-Q, 01005 L7701 RF CRITICAL D10_JP 131S0893 CAP, CER, 0.2PF, +/-0.05PF, 01005 CRITICAL D11_JP D10 JP 117S0161 RES,MF,0 OHM,1/32W,01005 R7701 RF CRITICAL CAP, CER, 0.2PF, +/-0.05PF, 01005 C7729 RF CRITICAL D11_JP NOSTUFF: C7729 RF, C7711 RF, C7709 RF, C7710 RF, C7707 RF, C7708 RF NOSTUFF: C7706_RF, C7711_RF, C7709_RF, C7710_RF, C7707_RF C7700_RF, C7703_RF, C7704 RF C7700_RF,C7702_RF, C7703_RF,C7704_RF PCIE WLAN BI AP CLKREQ L D10 ROW: REFERENCE DESIGNATOR(S) PART# DESCRIPTION CRITICAL BOM OPTION D11 ROW: CAP, CER, 0.3PF, +/-0.05, 01005 CRITICAL D10_ROW 131S0648 C7705_RF WLAN UART QTY DESCRIPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION IND, 1.1NH, UH-Q, 01005 R7703 RF CRITICAL D10_ROW 152S00029 55 53OUT UART WLAN TO AP RXD 152S00273 | 1 | IND, 0.6NH, UH-Q, 01005 R7703 RF D11_ROW 55 53 UART AP TO WLAN TXD CAP, CER, 0.2PF, +/-0.05, 01005 CRITICAL D10_ROW 131S0893 C7706_RF 55 SOUT UART WLAN TO AP CTS L CRITICAL 152S1976 IND,0.7NH,UH-Q,01005 R7711_RF D11_ROW 117S0161 RES,MF,0 OHM,1/32W,01005 R7711_RF CRITICAL D10 ROW 55 53 UART AP TO WLAN RTS L CAP, CER, 3.5PF+/-0.1,01005 R7702_RF D11_ROW 131S0400 CRITICAL 117S0161 RES,MF,0 OHM,1/32W,01005 R7702 RF CRITICAL D10 ROW BLUETOOTH UART 152S1986 CRITICAL D11_ROW IND, FILM, 2.2NH, UH-Q, 01005 R7704_RF D10_ROW 152S1988 IND,2.4NH,UH-Q,01005 R7704_RF CRITICAL 55 53 N UART AP TO BT TXD RES,MF,0 OHM,1/20W,0201 118S0724 R6711_RF CRITICAL D11 ROW 117S0161 RES,MF,0 OHM,1/32W,01005 CRITICAL D10_ROW R6711_RF 55 53OUT UART BT TO AP RXD 152S2054 IND,9.1NH,UH-Q,0201 C6729 RF CRITICAL D11_ROW 55 53 N UART AP TO BT RTS L CRITICAL 152S1853 IND, 9.1NH, UH-Q, 01005 C6729_RF D10 ROW 55 5 OUT UART BT TO AP CTS L RES,MF,0 OHM,1/32W,01005 R7700_RF 117S0161 CRITICAL D11_ROW 117S0161 RES,MF,0 OHM,1/32W,01005 R7700_RF CRITICAL D10 ROW RES,MF,0 OHM,1/32W,01005 CRITICAL 117S0161 L7700_RF D11_ROW AOP 152S2043 C7702_RF CRITICAL D10_ROW IND,6.2NH,UH-Q,01005 55 53 IN AOP TO WLAN CONTEXT A L7701_RF CRITICAL D11_ROW 152S1853 IND, 9.1NH, UH-Q, 01005 152S1998 IND, 0.8NH, UH-Q, 01005 L7700_RF CRITICAL D10_ROW 55 53 AOP TO WLAN CONTEXT B RES,MF,0 OHM,1/32W,01005 R7701 RF CRITICAL D11_ROW 117S0161 152S2043 IND,6.2NH,UH-Q,01005 L7701_RF CRITICAL D10_ROW AUDIO CAP, CER, 0.2PF, +/-0.05PF, 01005 131S0893 C7705_RF CRITICAL D11_ROW RES,MF,0 OHM,1/32W,01005 R7701 RF CRITICAL D10_ROW 117S0161 55 53 IN I2S AP TO BT BCLK CAP, CER, 0.2PF, +/-0.05PF, 01005 CRITICAL C7729_RF D11_ROW NOSTUFF: C7729 RF, C7711 RF, C7709 RF, C7710 RF, C7707 RF, C7708 RF 55 53 IN I 2S AP TO BT LRCLK C7700_RF, C7703_RF,C7704_RF NOSTUFF: C7706_RF, C7711_RF, C7709_RF, C7710_RF, C7707_RF, C7708_RF 55 53OUT I2S BT TO AP DIN C7700_RF,C7702_RF, C7703_RF,C7704_RF 55 53 IN I2S AP TO BT DOUT D101 WIFI: COEX D111 WIFI: 55 53 IN UART BB TO WLAN COEX REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION PART# DESCRIPTION 55 SOUT UART WLAN TO BB COEX CAP, CER, 0.3PF, +/-0.05, 01005 C7705_RF CRITICAL D101 QTY DESCRIPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION 131S0648 **ANTENNA** IND, 1.1NH, UH-Q, 01005 R7703_RF CRITICAL D101 IND,0.6NH,UH-Q,01005 R7703_RF CRITICAL D111 152S00273 L52S00029 ³ O UAT WLAN 5G WEST CAP, CER, 0.2PF, +/-0.05, 01005 CRITICAL 152S1976 IND,0.7NH,UH-Q,01005 R7711_RF CRITICAL D111 131S0893 C7706_RF ³ O UAT WLAN 2G EAST CRITICAL 117S0161 RES,MF,0 OHM,1/32W,01005 R7711_RF D101 131S0400 CAP, CER, 3.5PF+/-0.1, 01005 R7702_RF CRITICAL D111 2 50 LAT WLAN G 1 2 50 LAT WLAN A 1 117S0161 RES,MF,0 OHM,1/32W,01005 R7702_RF CRITICAL 152S1986 IND, FILM, 2.2NH, UH-Q, 01005 R7704_RF CRITICAL 3 10 50 UAT2 M 152S1988 R7704_RF CRITICAL D101 118S0724 RES,MF, 0 OHM,1/20W, 0201 R6711_RF CRITICAL D111 IND, 2.4NH, UH-Q, 01005 CAP, CER, 0.3PF, +/-0.05PF, 01005 C7708_RF CRITICAL D101 152S2054 IND, 9.1NH, UH-Q, 0201 C6729_RF CRITICAL D111 131S0648 RES,MF,0 OHM,1/32W,01005 R6711_RF CRITICAL D101 R7700_RF CRITICAL D111 118S0724 RES,MF, 0 OHM,1/20W, 0201 117S0161 spare CRITICAL CRITICAL IND,9.1NH,UH-Q,0201 C6729_RF D101 117S0161 RES,MF,0 OHM,1/32W,01005 L7700_RF D111 152S2054 R7700 RF CRITICAL CRITICAL 117S0161 RES,MF,0 OHM,1/32W,01005 152S1853 IND, 9.1NH, UH-Q, 01005 L7701_RF 051-00419 Apple Inc. D101 RES,MF,0 OHM,1/32W,01005 D111 152S2043 IND, 6.2NH, UH-Q, 01005 C7702_RF CRITICAL 117S0161 R7701_RF CRITICAL 8.0.0 152S1998 IND, 0.8NH, UH-Q, 01005 L7700_RF CRITICAL D101 131S0893 CAP, CER, 0.2PF, +/-0.05PF, 01005 C7705_RF CRITICAL D111 NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSESSOR AGREES TO THE FOLLOWING: L7701_RF CRITICAL D101 CAP, CER, 0.2PF, +/-0.05PF, 01005 C7729_RF CRITICAL D111 152S2043 IND, 6.2NH, UH-Q, 01005 131S0893 NOSTUFF: C7706_RF, C7711_RF, C7709_RF, C7710_RF, C7707_RF, C7708_RF RES,MF,0 OHM,1/32W,01005 R7701 RF CRITICAL D101 117S0161 6 OF 53 TO MAINTAIN THIS DOCUMENT IN CONFIDENCE C7700_RF,C7702_RF, C7703_RF,C7704_RF II NOT TO REPRODUCE OR COPY IT NOSTUFF: C7729 RF, C7711 RF, C7709 RF, C7710 RF, C7707 RF III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART 6 OF 81 CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSE ONLY - NOT A CHANGE REQUEST C7700_RF, C7703_RF,C7704_RF IV ALL RIGHTS RESERVED 8 6





















































