



REC ပ THIS DRALING CONTAINS PROPRIETARY INFORMATION AND SHOULD NOT BE USED LITHOUT MRITTEN PERMISSION. ED-3XX-01 DRG Nº MICRO-RC REPEATER CONTROLLER 3/20/2009 9:01:47 PM ALPHARETTA, GA U.S.A TILE: MicroR( K64LNE DATE K.OLINGER ISSUE R.STARR CHECKED 8) Suapped trim pot pins 1 % 3 on R52 (output level) and R2 (LCD contrast) to fix incorrect rotation/gain action. 4) Added tantalum cap C78 on squelch ADC buffer amp (IC5D output) for low pass filtering of ADC input signal. REUISION HISTORY 2) Changed serial port driver U3 caps C10, C11, C12 and C13 from electrolytic to chip cap 0805 packages. 6) Suapped I/O pins PC3 and PD2 to provide an interrupt capable pin on the expansion port. 5) Increased expansion I/O connector JP5 pin count to include SPI and I2C buss signals. 3> Added pulldown resistor R13 on COS input of CN3 to prevent base of Q13 from floating. 10) Added L1 common mode choke and C80 on power input for additional noise protection. 1) Changed CPU from ATMega128 to ATMega1281 for additional SRAM memory (4k->8k) 11) I/O pin PB7 changed – assigned to COM\_DSR 12) I/O pin PC3 changed – assigned to CS\_DTMF 13) I/O pin PF7 changed – assigned jumper J3 to TDI, added R12 14) Added D2 (BZT52C5V1-7-F) and changed value of D10 to 5.1V (BZT52C5V1-7-F) 2) I/O pin PD2 changed – assigned to ISD\_RAC (INT?) for interrupt capable pin. Changed Q3 & Q4 from IRF1010 to IRF614 for lower current/cost. 6) I/0 pin PE3 changed - assigned to EXP\_PC1 on expansion port. 5) I/0 pin PE2 changed - assigned to EXP\_PC0 on expansion port. 9) Added U12 for 4.096V precision ADC voltage reference to AUCC. Omitted D2, D3 and B1 Goldcap. Changed B1 to BR1225 battery. 11) Omitted L5 and L6, replaced with 0R jumpers R80 and R81 1) Added R82 and R83 to fix op-amp HF oscillation problem. 7) Changed all small electrolytics to tantalum packages. PC3 is now INT\_COS and PD2 is now INT\_EXP (INT2). 8) I/O pin PG5 changed - assigned to LCD\_BKLITE 4) I/O pin PC1 changed - assigned to PTT\_DRIVE. 10) I/O pin PB4 changed - assigned to COM\_CTS 7) I/O pin PE6 changed - assigned to COM\_DCD. 3) I/O pin PC0 changed - assigned to COM\_DTR. 9) I/O pin PG1 changed – assigned to EXT\_COS REU-C (06/21/2007) REU-B (01/25/2007) THE INFORMATION CONTAINED IN THIS OBALING IS THE SOLE PROPERTY OF TROBERT E, STARRA, JA, KGELINE), MAY REPRODUCTION IN PART OR JHOLE IS STREILLY PROPHEITED JITHOUT HAITEN PERMISSION. 12) PROPRIETARY