**APRS MODEM 1200 BPS. LISTA DE COMPONENTES.**

**"RefDes " "Valor"**

**"C1 " "C2 " "C12 " "10 nF"**

**"C3 " "470 uF"**

**"C4 " "1000 uF"**

**"C5 " "C6 " "22 Pf"**

**"C7 " "C8 " "27 Pf"**

**"C9 " "C10 " "C11 " "C14 " "100 nF"**

**"C13 " "1 uF"**

**"D1 " "1N4007"**

**"D2 " "D3 " "1N4148"**

**"D1\_LED " "5mm RED"**

**"P1 " POTENC. "10K" REGULACION salida NIVEL del MICRO**

**"R1 " "R16 " "R17 " "330 Oh."**

**"R2 " "R3 " "R6 " "R13 " "10 K"**

**"R4 " "R5 " "R11 " "4K7"**

**"R7 " "27 K"**

**"R8 " "18 K"**

**"R9 " "33 K"**

**"R10 " "15 K"**

**"R12 " "8K2"**

**"R14 " "R15 " "100 Oh."**

**"Q1 " TRANSISTOR "BC107" "2N2222" O EQUIVALENTE T018**

**"Q2 " TRANSISTOR "BC107" "2N2222" O EQUIVALENTE T018**

**"Q3 " TRANSISTOR "BC107" "2N2222" O EQUIVALENTE T018**

**"Q4 " TRANSISTOR "BC107" "2N2222" O EQUIVALENTE T018**

**"U1 " "L7805" L7805ACV, 1A 5 V TO-220 3 pines**

**"U2 " "PIC16F628A" TAMBIEN 16F84**

**"U3 " "TCM3105"**

**"Y1 " CRISTAL "4,4336 Mhz." ±30ppm, HC-49U, 2-Pin**

**"Y2 " CRISTAL "10 Mhz." ±30ppm, HC-49U, 2-Pin**

**"J1 " ENTRADA ALIMENTACION DE 12-14 VOLTIOS CONTINUA**

**"J2 " RESET PIC 16F628**

**"J3 " SALIDA PTT Y LED DE TIME**

**"J4 " SALIDA DCD**

**"J5 " SALIDA DE 5 VOLTIOS**

**"J6 " SALIDA AL MICROFONO EMISORA**

**"J7 " ENTRADA ALTAVOZ EMISORA**

**"R " RESERVA PIC**

**"T " RESERVA PIC**

**"RA4 " RESERVA PIC**

**"RX-CTS " SALIDA DATOS DE RECEPCION, Para otros menesteres.**

**No olvidar unir las patillas 12 y 13 del TCM3105 a masa, esto es para 1200 Bps.**