

GXT555

SEMICONDUCTOR DESIGNATIONS AND FUNCTIONS

| Designator | Description | Application |
|------------|-------------|----------------------------------|
| CPU1 | W741C81A | Micro controller |
| D1 | KDS114E | TX,RX switch |
| D3 | KDS114E | Squelch temperature compensation |
| D13 | KDS114E | TX,RX switch |
| D301 | KDS114E | VCO TX,RX switch |
| IC1 | DBL5018 | IF IC |
| IC2 | LM386 | Speaker amplifier |
| IC201 | TB31202 | PLL IC |
| IC3 | XC6201 | 4V regulator |
| IC4 | LM324 | OP amp. |
| IC6 | XC6211 | 2.6V Rset IC |
| Q1 | NE5510279A | TX PA |
| Q2 | KRC405E | RX VCC Mute |
| Q3,4 | BFQ67W | TX driver |
| Q6 | 2SC4226 | RX LNA |
| Q7 | KTA2014E | PTT switch |
| Q8 | 2SC4226 | RX MIXER |
| Q11 | BFQ67W | TX pre-driver |
| Q12 | KRC404E | Speaker amplifier Vcc switch |
| Q13 | KRA226 | TX Vcc switch |
| Q14 | KRA306E | RX Vcc switch |
| Q15 | KRA306E | TX Power Control |
| Q16 | KRA226 | Speaker amplifier Vcc switch |
| Q17 | KRC405E | TX audio Mute |
| Q19 | KRC401E | VCO TX,RX switch |
| Q20 | KRA306E | TX Power Control |
| Q21 | KRC4075E | VOX Amplifier |
| Q23 | KRC405E | RX audio mute |
| Q26 | KRC405E | RX/TX Switch |
| Q28 | KRC404E | Power On/Off Switch |
| Q30 | KRC404E | VOX Mute |
| Q301 | 2SC4226 | VCO |
| Q302 | 2SC4226 | VCO |