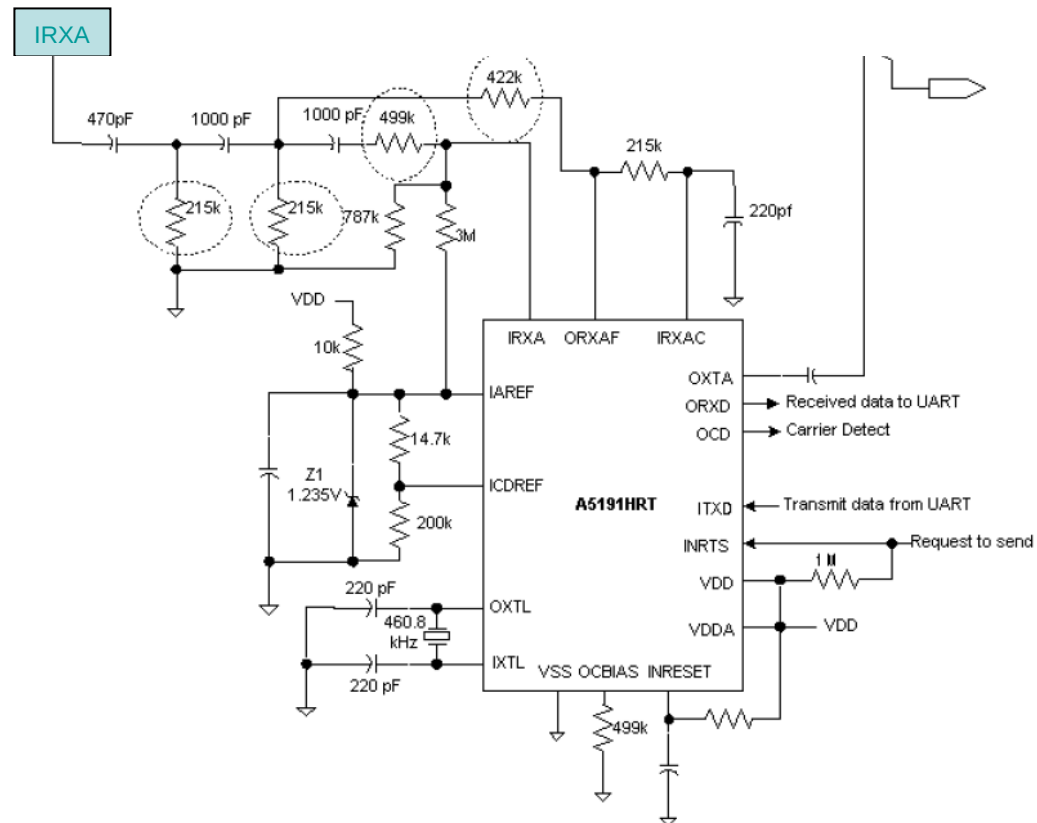


HART Modem Connection to XTR115

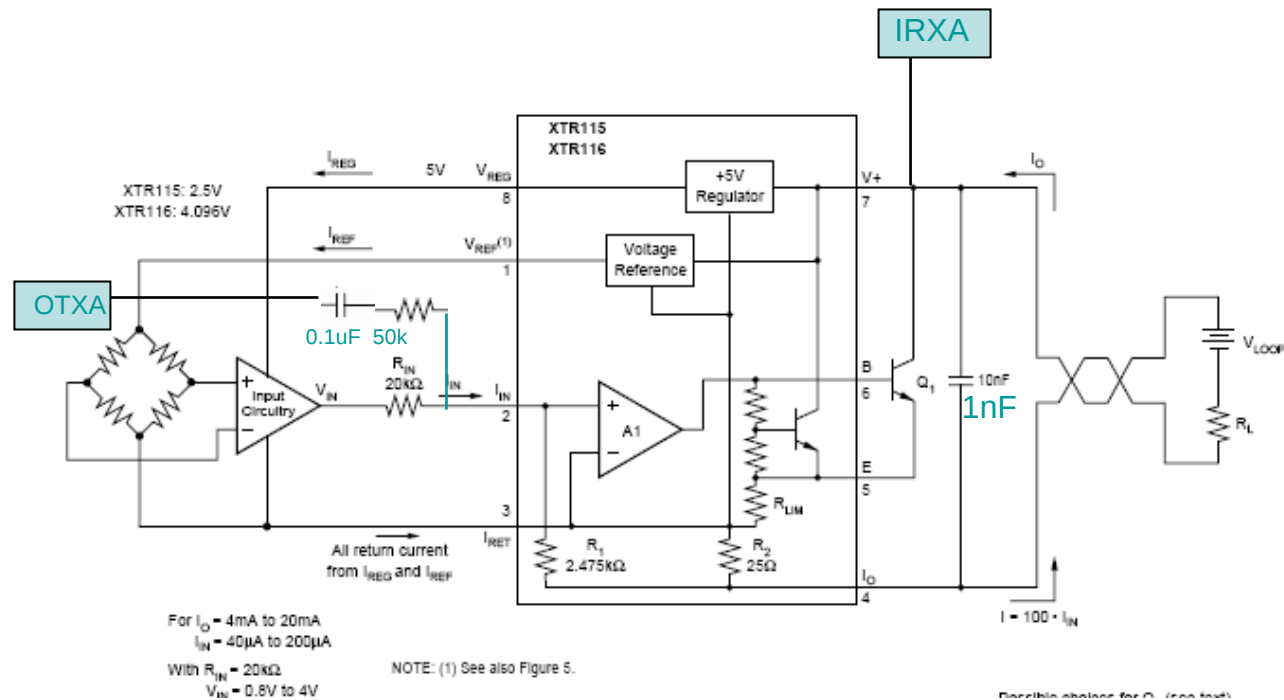
Example for A5191HRT

Hart Modem Fig. 20



XTR115

connection of OTXA and IRXA



Note

- OTXA delivers +/-250mV signal

Output requires +/- 0.5mA

$$R = 0.25V / 5\mu A = 50k\Omega$$

X_c for 0.1 μF at 1kHz is 1.7k Ω ; thus negligible versus 70k Ω .

- Change XTR115 output capacitor from 10nF to 1nF
- Add output protection circuit as needed !