Application Note 45

Replacement of Cypress' CY7B922/CY7B932 or CY7B923/CY7B933 Transmitter & Receiver with RCC700A Transceiver

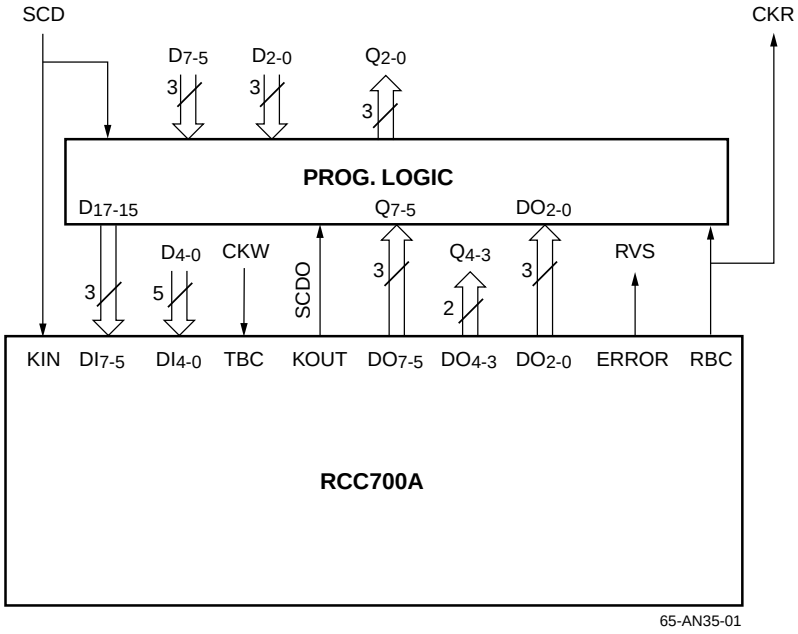
This application note is intended to provide a transparent method to convert the customer's design-in of Cypress' CY7B922/CY7B932 or CY7B923/CY7B933 transmitter and receiver with Raytheon Semiconductor's single chip CMOS solution, RCC700A. This assumes the following:

- Only the control codes K28.0 through K28.7 are being used in the design with Cypress chips.

Most likely, the customer is using an ASIC, programmable gate array or a programmable logic to interface to Cypress' chips. If this is the case, they can reprogram the chip to accommodate Raytheon Semiconductor's RCC700A quite easily as noted in the figure and PAL equations.

PAL Equations

DI7=D2*SCD+/SCD*D7
DI6=D1*SCD+/SCD*D6
DI5=D0*SCD+/SCD*D5
Q2=Q7*KOUT+/KOUT*DO2
Q1=Q6*KOUT+/KOUT*DO1
Q0=Q5*KOUT+/KOUT*DO0



Raytheon Electronics
Semiconductor Division
350 Ellis Street
Mountain View CA 94043
415 968 9211
FAX 415 966 7742

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Stock#AN50000045