



Outputs for each state

IDLE
 N/A
 RX Active
 RX Transfer Active
 TX Active
 TX Transfer Active
 RX Error
 RX Error
 Clear
 TX Error
 TX Error
 Clear
 Packet Ready
 RX Data Ready
 Start RX
 Start TX
 D Mode

CODES

RX Packet [2:0]
 000 - Idle
 001 - RX Ready
 010 - RX Received
 011 - RX Error
 100 - RX Busy
 101 - TX Error
 110 - TX Start (IN Token)
 111 -
 TX Packet [1:0]
 00 - Idle
 01 - Start Transfer
 10 - Send ACK
 11 - Send NACK

TX Status (new signal)

00 - Idle
 01 - TX busy
 10 -
 11 -