Ethernet Layer Send State Diagram

State 0 --ATTACH--> State 0A --ETH_Send_Start--> State 1 Setup TX Packet

State 1 Setup TX Packet --Set EWRPT to ETXST + 1--> State 2

State 2 --SPI_Complete--> State 3 Write Dest. Mac

State 3 Write Dest. Mac --> State 4

State 4 --Complete--> State 5 Write SRC Mac

State 5 Write SRC Mac --> State 6

State 6 --Complete--> State 7 Write Type

State 7 Write Type --> State 8

State 8 --Complete--> State 9 Send Packet

State 9 Send Packet --Complete--> State 10

State 10 --Complete--> State 11 Complete

State 11 Complete --ETH_Release--> State 0

State Table

State	Action
S0	
S1	Set up TX packet by writing EWRPT to ETXST +1
S3	WBM to write dest. MAC
S5	WBM to write src MAC
S7	WBM type field value
S9	Clear EIR.TXIF, set ECON1.TXRTS

Helper Functions

Attach	ENC28J Attach only if S0 returns 1, if success and set state=S0A
Release	Release ENC set state to SO, return 1
Complete	Return 1 if in S11, 0 otherwise
Start	From S0A to S1