Ethernet Layer Receive State Diagram State 0 **Request ENC28J60** ENC attached State 1 Com attach Send check for new packet request State 2 **ENC released** ENC Com complete new packet State 20 State 3 **ENC Com complete** Setup Ethernet packet no new packet receive State 19 State 4 Release ENC28J60 Read data 6 bytes Com 6 bytes Dest. MAC State 5 **ENC Com complete ENC Com done** State 18a State 6 State 7 Read SRCMAC 6 bytes **ENC Com complete** State 8 State 18 Read type Release packet Store MAC Begin read & read type **ENC attached** State 9 State 17 ICMP receive complete ENC28J60 Com Attach request State 16 ARP receive complete IP received complete State 15 State 13 Start ICMP receive State 14 ICMP type State 12 Start ARP receive ARP type Complete State 11 Start IP receive State 10 Read type & release Com ENC28J60 IP type