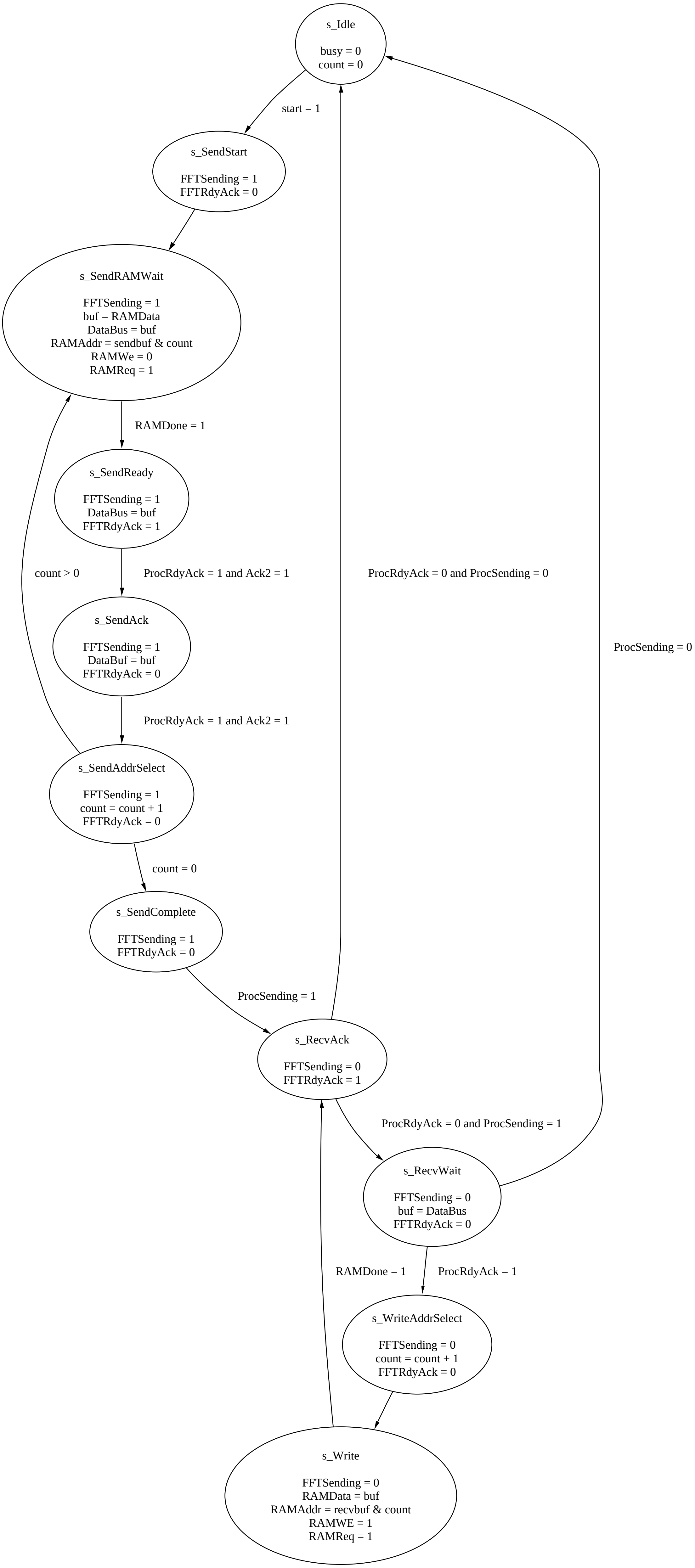
s_Idle
busy = 0
count = 0
start = 1
s_SendStart
FFTSending = 1
FFTRdyAck = 0
s_SendRAMWait
FFTSending = 1
buf = RAMData
DataBus = buf
RAMAddr = sendbuf & count
RAMWe = 0
RAMReq = 1
RAMDone = 1
s_SendReady
FFTSending = 1
DataBus = buf
FFTRdyAck = 1
count > 0
ProcRdyAck = 1 and Ack2 = 1
s_SendAck
FFTSending = 1
DataBuf = buf
FFTRdyAck = 0
ProcRdyAck = 1 and Ack2 = 1
s_SendAddrSelect
FFTSending = 1
count = count + 1
FFTRdyAck = 0
count = 0
s_SendComplete
FFTSending = 1
FFTRdyAck = 0
ProcSending = 1
s_RecvAck
FFTSending = 0
FFTRdyAck = 1
ProcRdyAck = 0 and ProcSending = 0
ProcSending = 0
ProcRdyAck = 0 and ProcSending = 1
s_RecvWait
FFTSending = 0
buf = DataBus
FFTRdyAck = 0
RAMDone = 1
ProcRdyAck = 1
s_WriteAddrSelect
FFTSending = 0
count = count + 1
FFTRdyAck = 0
s_Write
FFTSending = 0
RAMData = buf
RAMAddr = recvbuf & count
RAMWE = 1
RAMReq = 1