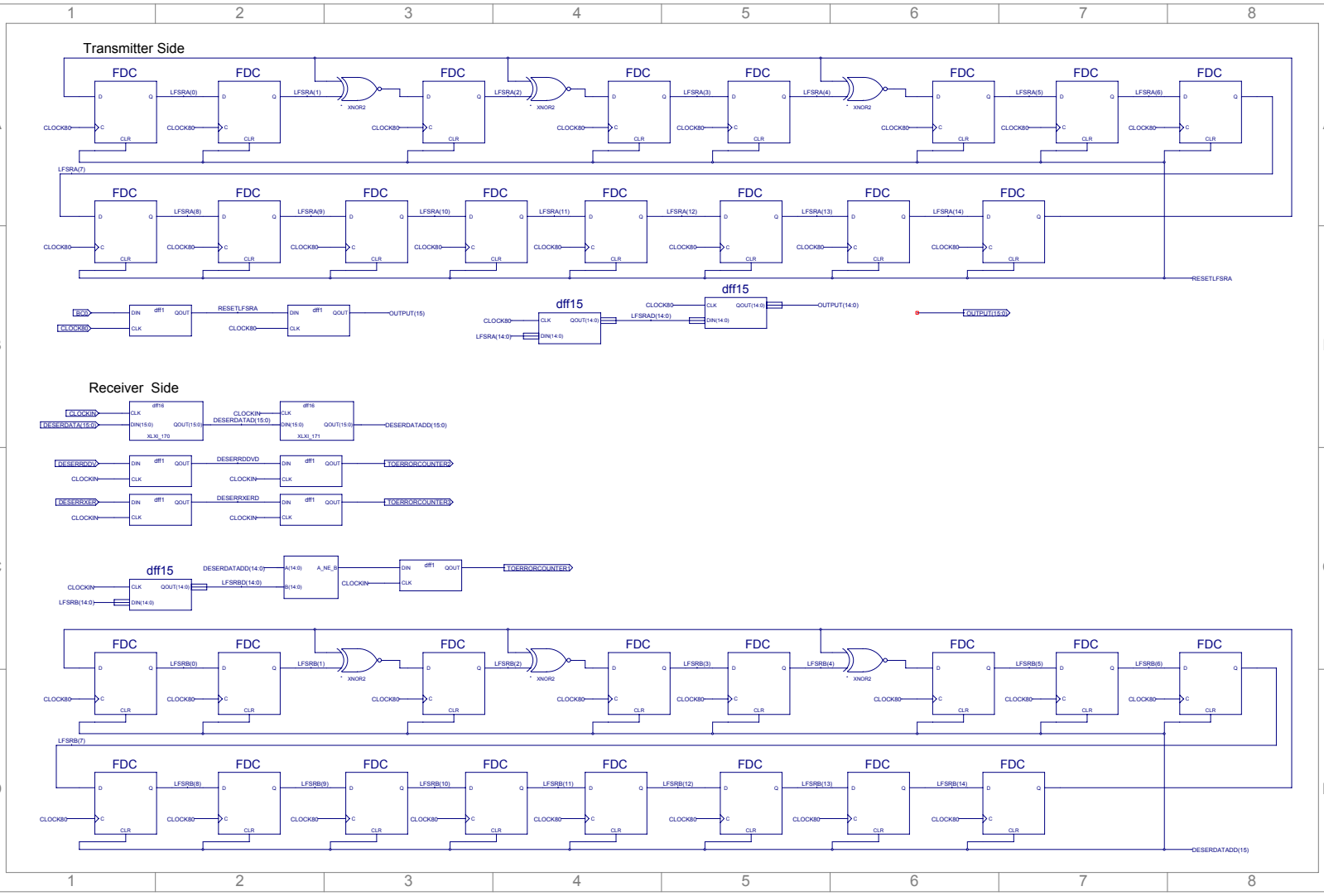
Transmitter Side
FDC
D
Q
C
CLR
CLOCK80
LFSRA(0)
LFSRA(1)
LFSRA(2)
LFSRA(3)
LFSRA(4)
LFSRA(5)
LFSRA(6)
LFSRA(7)
LFSRA(8)
LFSRA(9)
LFSRA(10)
LFSRA(11)
LFSRA(12)
LFSRA(13)
LFSRA(14)
XNOR2
RESETLFSRA
ECO
dff1
DIN
QOUT
CLK
OUTPUT(15)
dff15
QOUT(14:0)
DIN(14:0)
LFSRA(14:0)
LFSRAD(14:0)
OUTPUT(14:0)
OUTPUT(15:0)
Receiver Side
CLOCKIN
DESERDATA(15:0)
dff16
DIN(15:0)
QOUT(15:0)
XLXI_170
XLXI_171
DESERDATADD(15:0)
DESERRDDV
DESERRDDVD
TOERRORCOUNTER2
DESERRXER
DESERRXERD
TOERRORCOUNTER1
DESERDATADD(14:0)
LFSRB(14:0)
A(14:0)
B(14:0)
A_NE_B
TOERRORCOUNTER
LFSRB(0)
LFSRB(1)
LFSRB(2)
LFSRB(3)
LFSRB(4)
LFSRB(5)
LFSRB(6)
LFSRB(7)
LFSRB(8)
LFSRB(9)
LFSRB(10)
LFSRB(11)
LFSRB(12)
LFSRB(13)
LFSRB(14)
DESERDATADD(15)