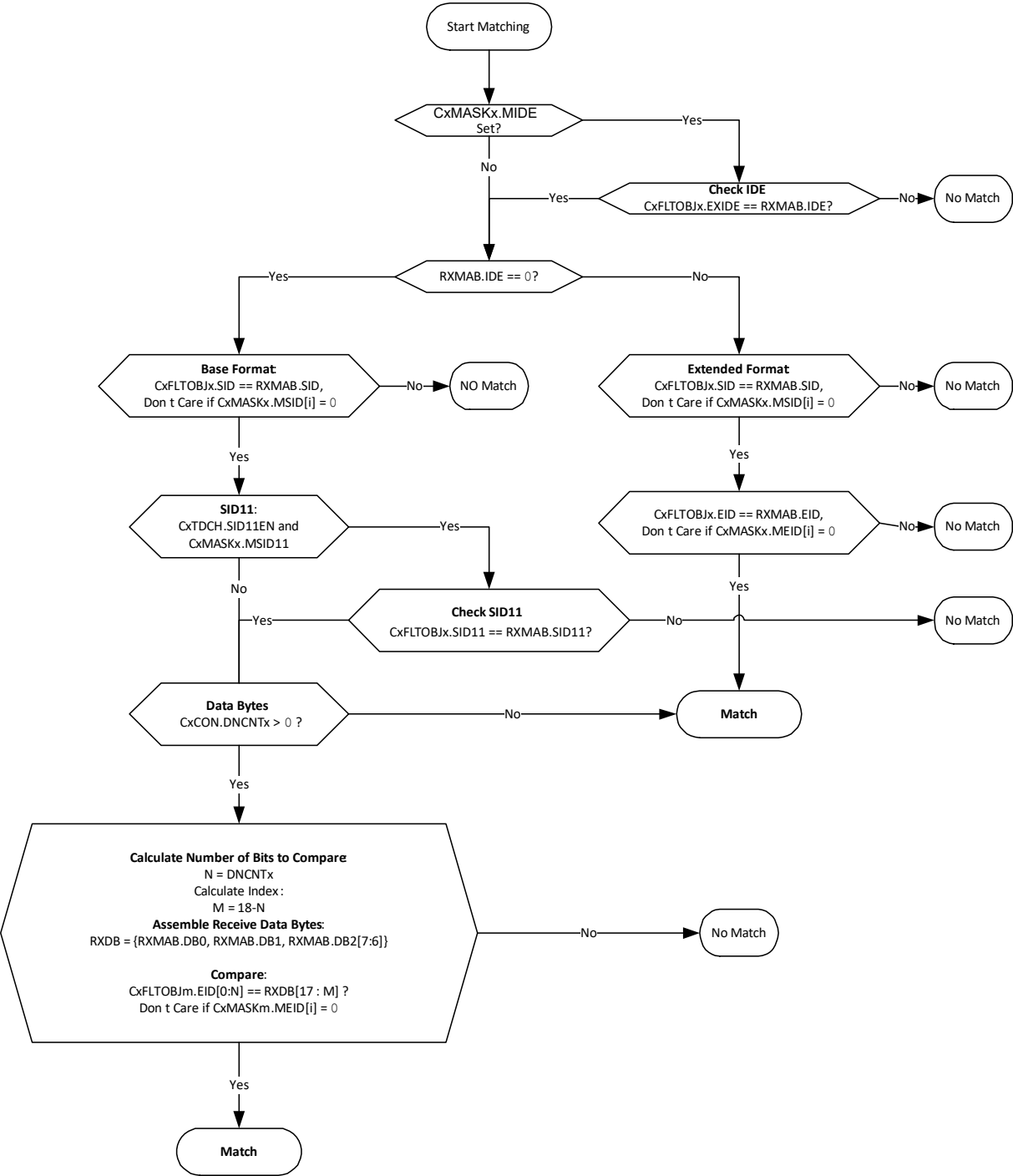
Start Matching
CxMASKx.MIDE Set?
Yes
No
Check IDE
CxFLTOBJx.EXIDE == RXMAB.IDE?
Yes
No
No Match
RXMAB.IDE == 0?
Yes
No
Base Format:
CxFLTOBJx.SID == RXMAB.SID,
Don t Care if CxMASKx.MSID[i] = 0
No
NO Match
Yes
SID11:
CxTDCH.SID11EN and
CxMASKx.MSID11
Yes
No
Check SID11
CxFLTOBJx.SID11 == RXMAB.SID11?
Yes
No
No Match
Extended Format:
CxFLTOBJx.SID == RXMAB.SID,
Don t Care if CxMASKx.MSID[i] = 0
No
No Match
Yes
CxFLTOBJx.EID == RXMAB.EID,
Don t Care if CxMASKx.MEID[i] = 0
No
No Match
Yes
Data Bytes
CxCON.DNCNTx > 0 ?
No
Match
Yes
Calculate Number of Bits to Compare:
N = DNCNTx
Calculate Index:
M = 18-N
Assemble Receive Data Bytes:
RXDB = {RXMAB.DB0, RXMAB.DB1, RXMAB.DB2[7:6]}
Compare:
CxFLTOBJm.EID[0:N] == RXDB[17 : M] ?
Don t Care if CxMASKm.MEID[i] = 0
No
No Match
Yes
Match