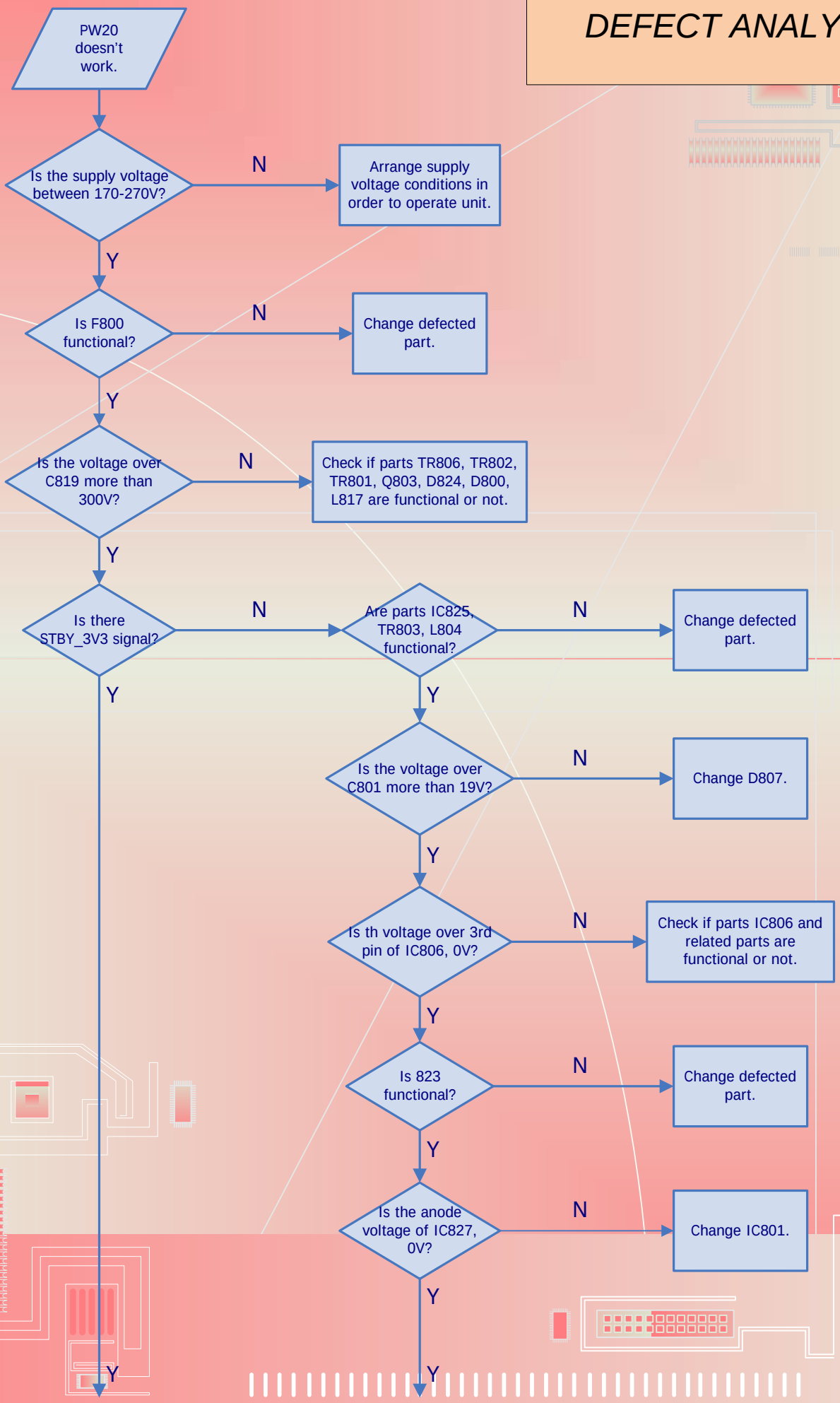
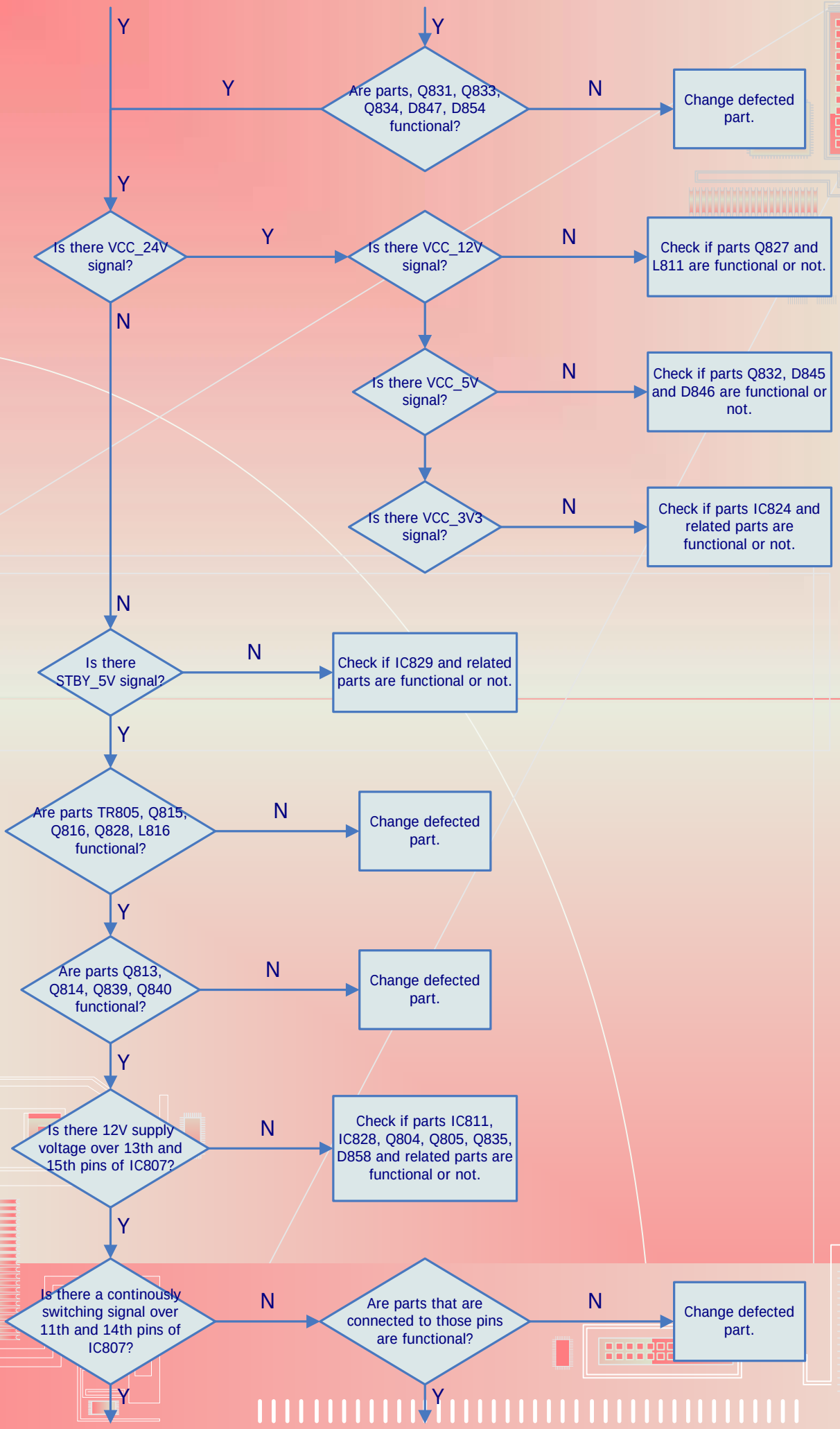
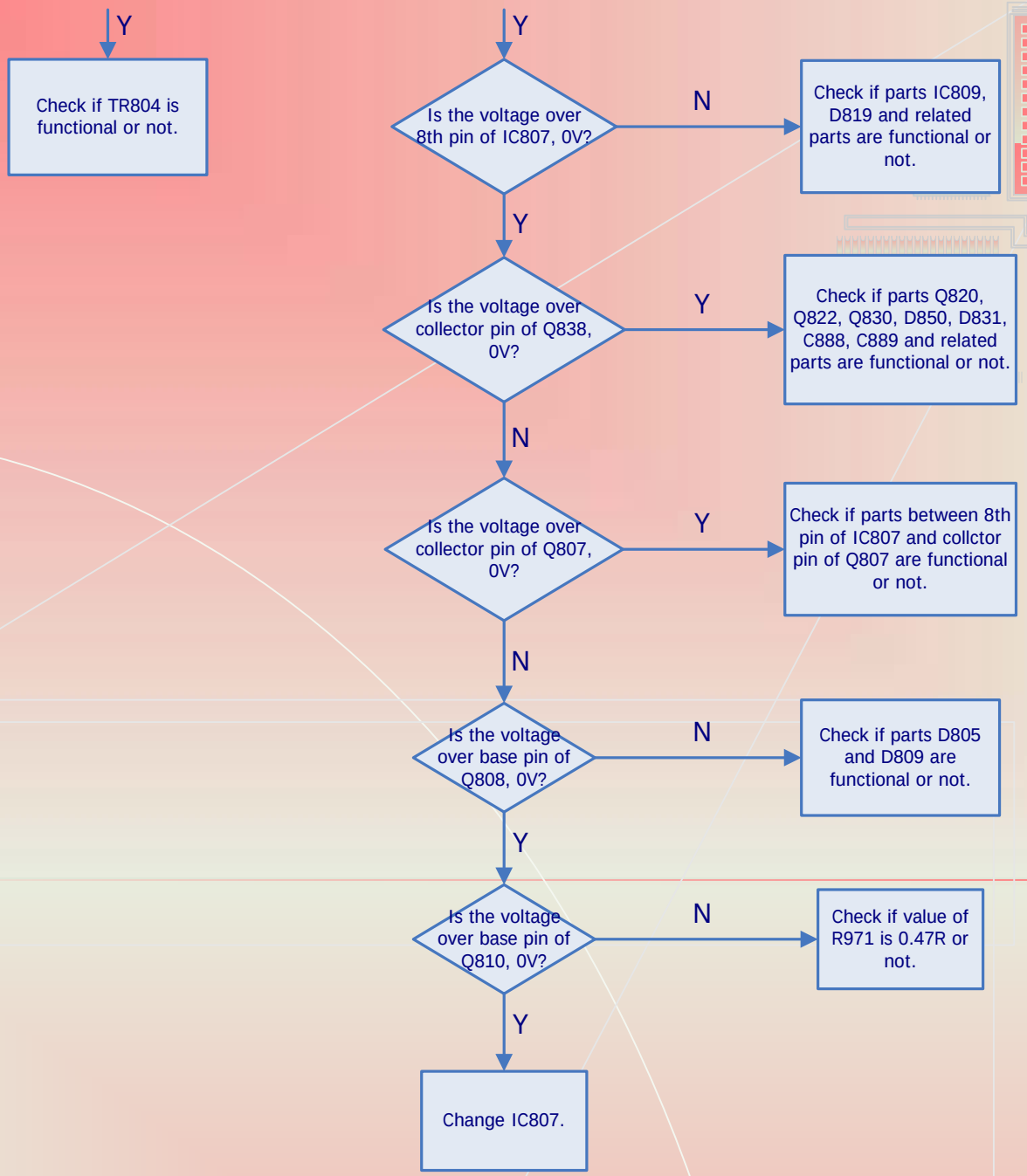
17PW20 FLOWCHART FOR DEFECT ANALYSIS




Y
Y
Y
Are parts, Q831, Q833, Q834, D847, D854 functional?
N
Change defected part.
Y
Is there VCC_24V signal?
Y
Is there VCC_12V signal?
N
Check if parts Q827 and L811 are functional or not.
N
Is there VCC_5V signal?
N
Check if parts Q832, D845 and D846 are functional or not.
Is there VCC_3V3 signal?
N
Check if parts IC824 and related parts are functional or not.
N
Is there STBY_5V signal?
N
Check if IC829 and related parts are functional or not.
Y
Are parts TR805, Q815, Q816, Q828, L816 functional?
N
Change defected part.
Y
Are parts Q813, Q814, Q839, Q840 functional?
N
Change defected part.
Y
Is there 12V supply voltage over 13th and 15th pins of IC807?
N
Check if parts IC811, IC828, Q804, Q805, Q835, D858 and related parts are functional or not.
Y
Is there a continously switching signal over 11th and 14th pins of IC807?
N
Are parts that are connected to those pins are functional?
N
Change defected part.
Y
Y


Y
Check if TR804 is functional or not.
Y
Is the voltage over 8th pin of IC807, 0V?
N
Check if parts IC809, D819 and related parts are functional or not.
Y
Is the voltage over collector pin of Q838, 0V?
Y
Check if parts Q820, Q822, Q830, D850, D831, C888, C889 and related parts are functional or not.
N
Is the voltage over collector pin of Q807, 0V?
Y
Check if parts between 8th pin of IC807 and collctor pin of Q807 are functional or not.
N
Is the voltage over base pin of Q808, 0V?
N
Check if parts D805 and D809 are functional or not.
Y
Is the voltage over base pin of Q810, 0V?
N
Check if value of R971 is 0.47R or not.
Y
Change IC807.