

## **9. Schematic diagrams**



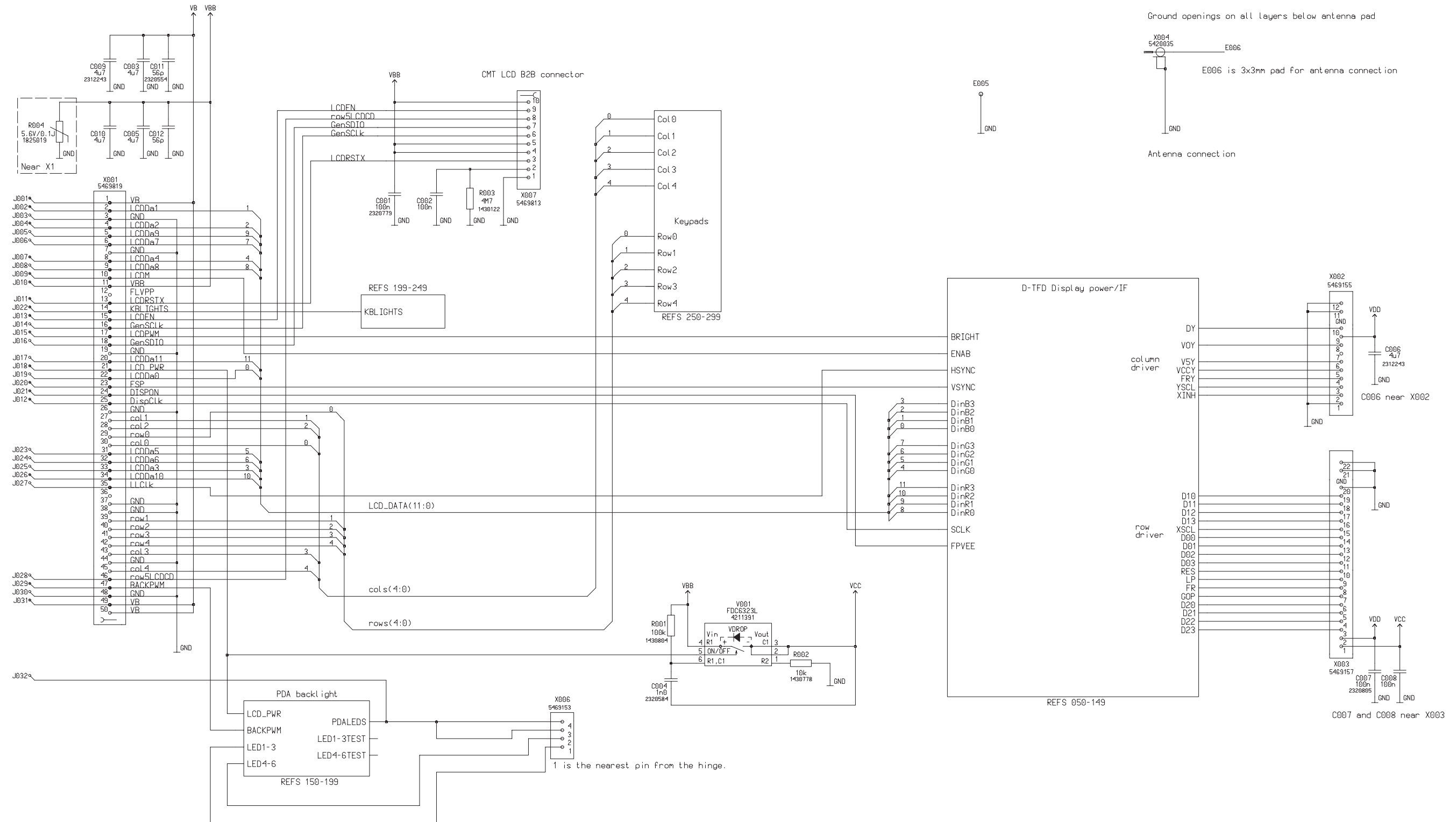
**CONTENTS –Schematic Diagrams**

	<b>Page No</b>
Block Diagram of UL1_07 QWERTY keypad (Version 0.0 Edit 139) .....	09 – 4
Block Diagram of UL1_07 CMT keyboard and PDA soft keys (Version 0.0 Edit 22) .....	09 – 5
Circuit Diagram of UL1_07 D–TFD power interface (Version 0.0 Edit 126) .....	09 – 6
Circuit Diagram of UL1_07 CMT UI LEDs (Version 0.0 Edit 28)	09 – 7
Circuit Diagram of UL1_07 PDA backlight (Version 0.0 Edit 40)	09 – 8
Parts Placement Diagram of UL1_07 1/2 .....	09 – 9
Parts Placement Diagram of UL1_07 2/2 .....	09 – 10
Block Diagram of KL8_06 System (Version 0.2 Edit 114) ....	09 – 11
Circuit Diagram of KL8_06 System Connector (Version 0.0 Edit 125) .....	09 – 12
Circuit Diagram of KL8_06 Audio RFI (Version 0.0 Edit 144) .	09 – 13
Circuit Diagram of KL8_06 CPU (Version 0.0 Edit 167) .....	09 – 14
Circuit Diagram of KL8_06 IRDA (Version 0.0 Edit 167) .....	09 – 15
Circuit Diagram of KL8_06 memories (Version 0.0 Edit 106) .	09 – 16
Circuit Diagram of KL8_06 MMC (Version 0.0 Edit 73) .....	09 – 17
Circuit Diagram of KL8_06 Power (Version 0.0 Edit 216) .....	09 – 18
Circuit Diagram of KL8_06 User interface (Version 0.0 Edit 83)	09 – 19
Circuit Diagram of KL8_06 BB/RF Connector (Version 0.2 Edit 114) .....	09 – 20
Circuit Diagram of KL8_06 RF (Version 0.2 Edit 197) .....	09 – 21
Parts Placement Diagram of KL8_06 1/2 .....	09 – 22
Parts Placement Diagram of KL8_06 2/2 .....	09 – 23

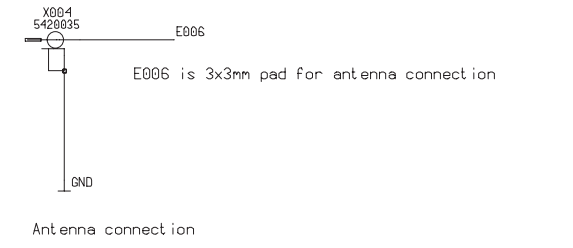
Block Diagram of UL1\_07 QWERTY keypad (Version 0.0 Edit 139)

REFS 001-049

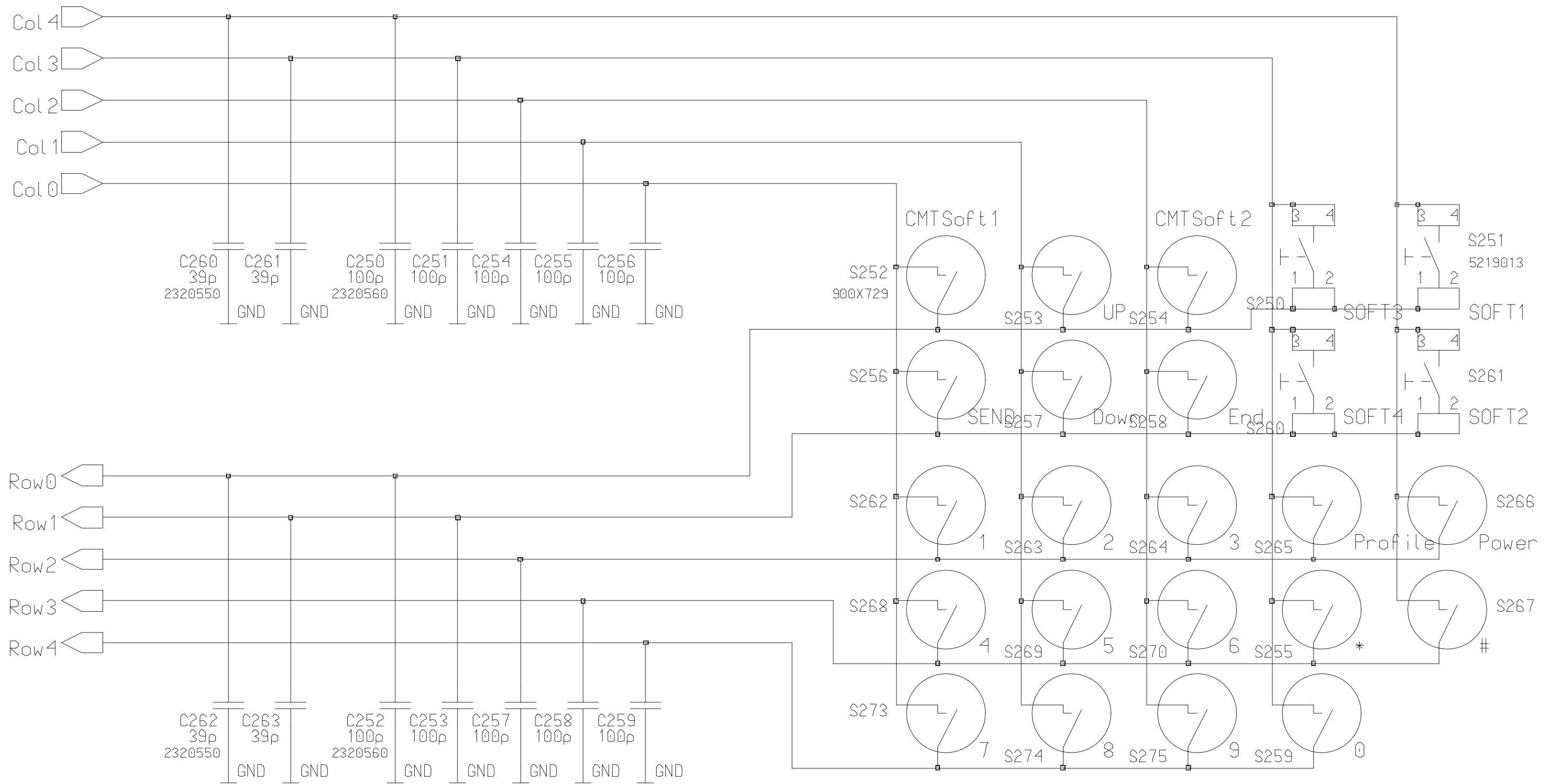
UL1\_06



All signals in the 1st layer.  
 No copper to the 2nd layer (opening).  
 The 3rd layer is GND.  
 Leave at least 1mm GND-free area around Z2 and antenna pad  
 Ground openings on all layers below antenna pad

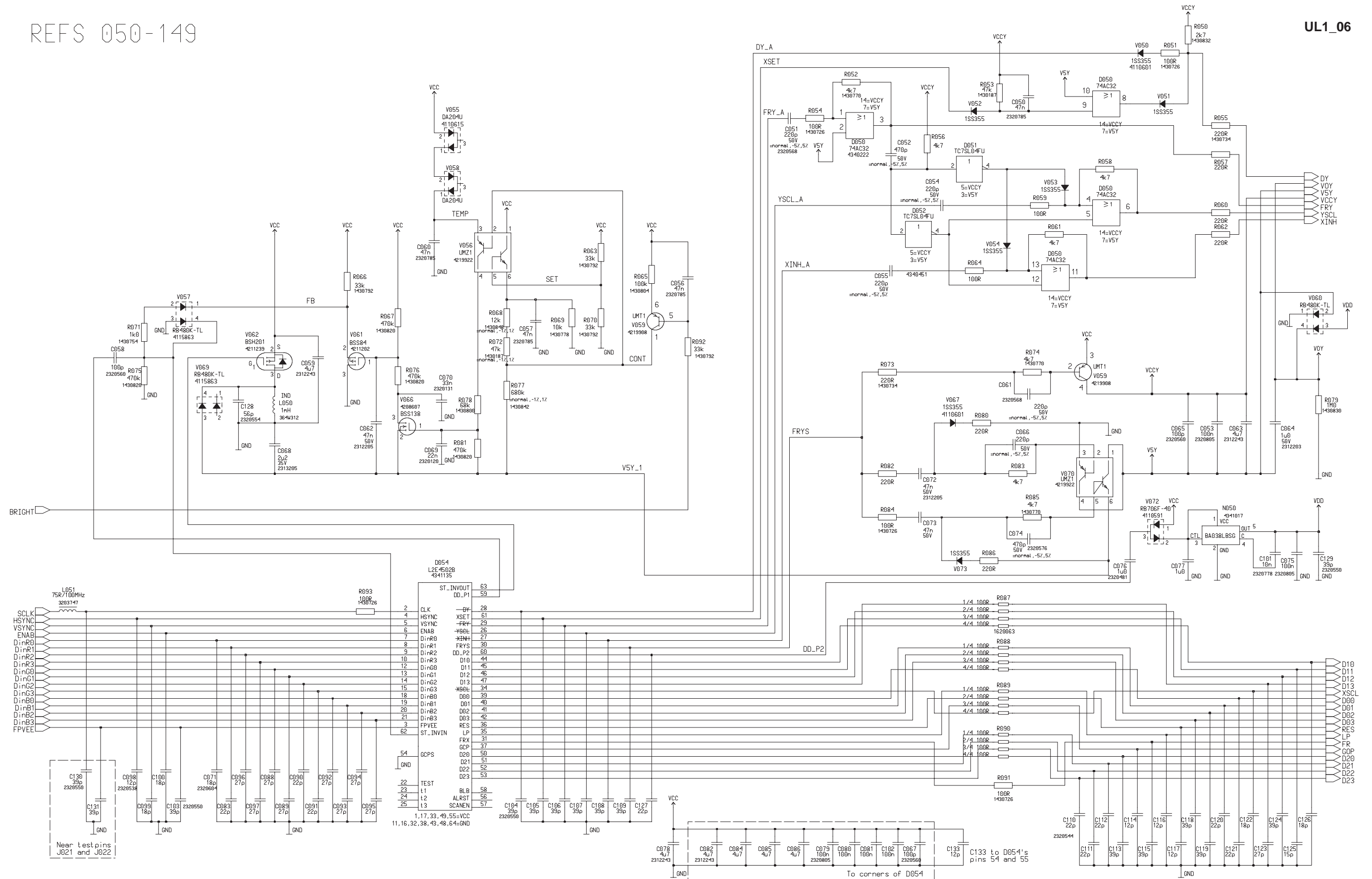


Block Diagram of UL1\_07 CMT keyboard and PDA soft keys (Version 0.0 Edit 22)



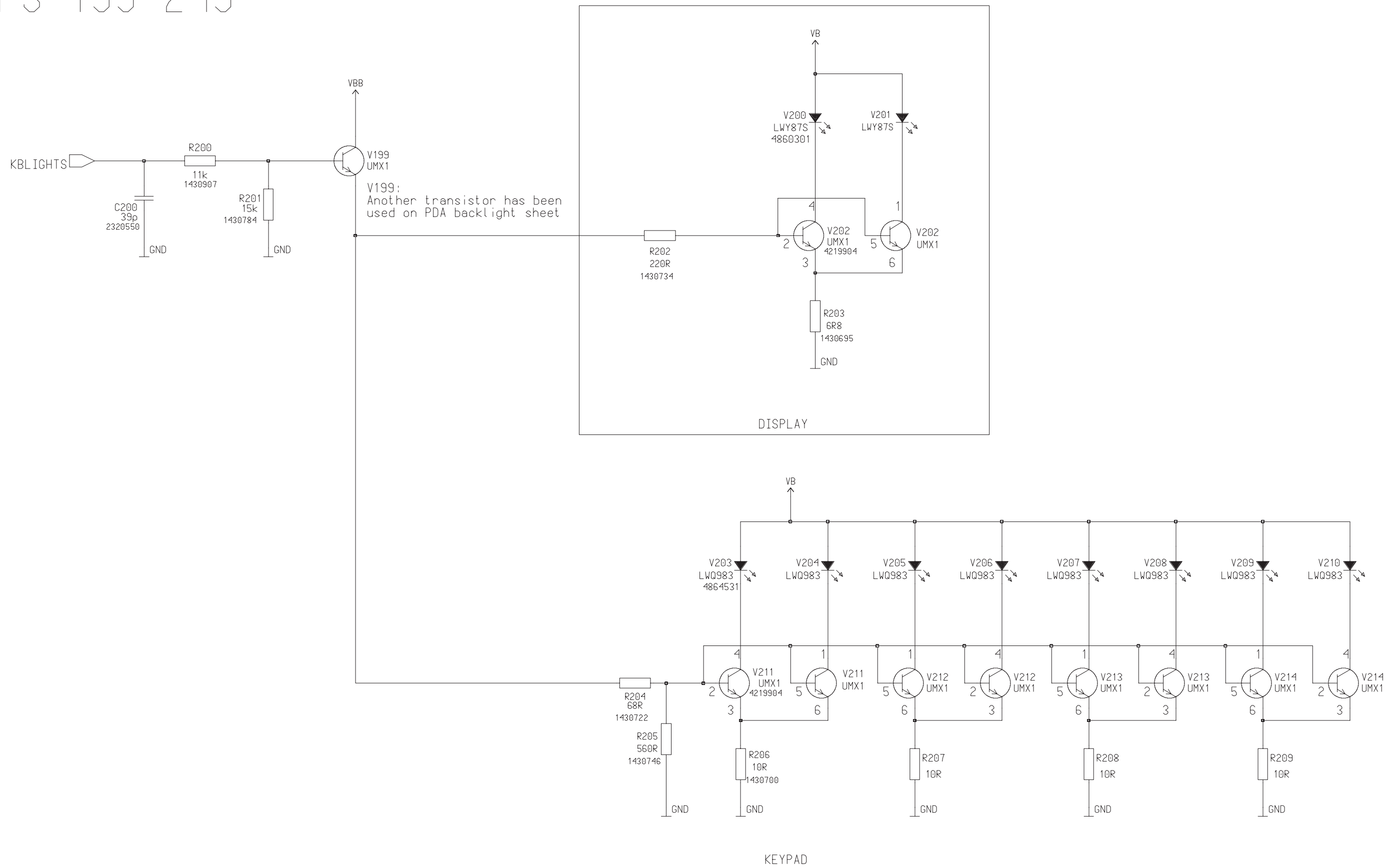
Circuit Diagram of UL1\_07 D-TFD power interface (Version 0.0 Edit 126)

REFS 050-149



Circuit Diagram of UL1\_07 CMT UI LEDs (Version 0.0 Edit 28)

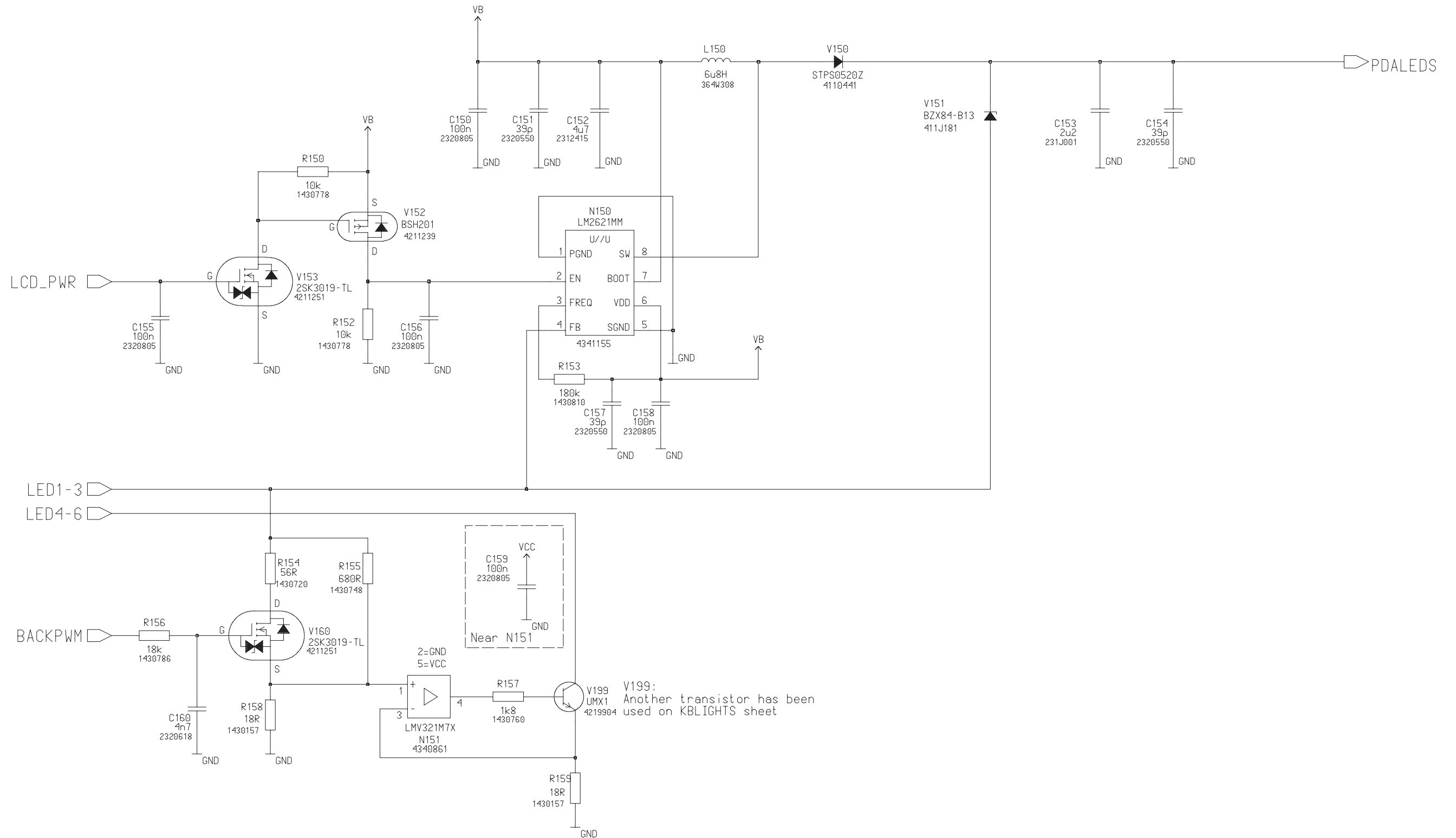
REFS 199-249



Circuit Diagram of UL1\_07 PDA backlight (Version 0.0 Edit 40)

REFS 150-199

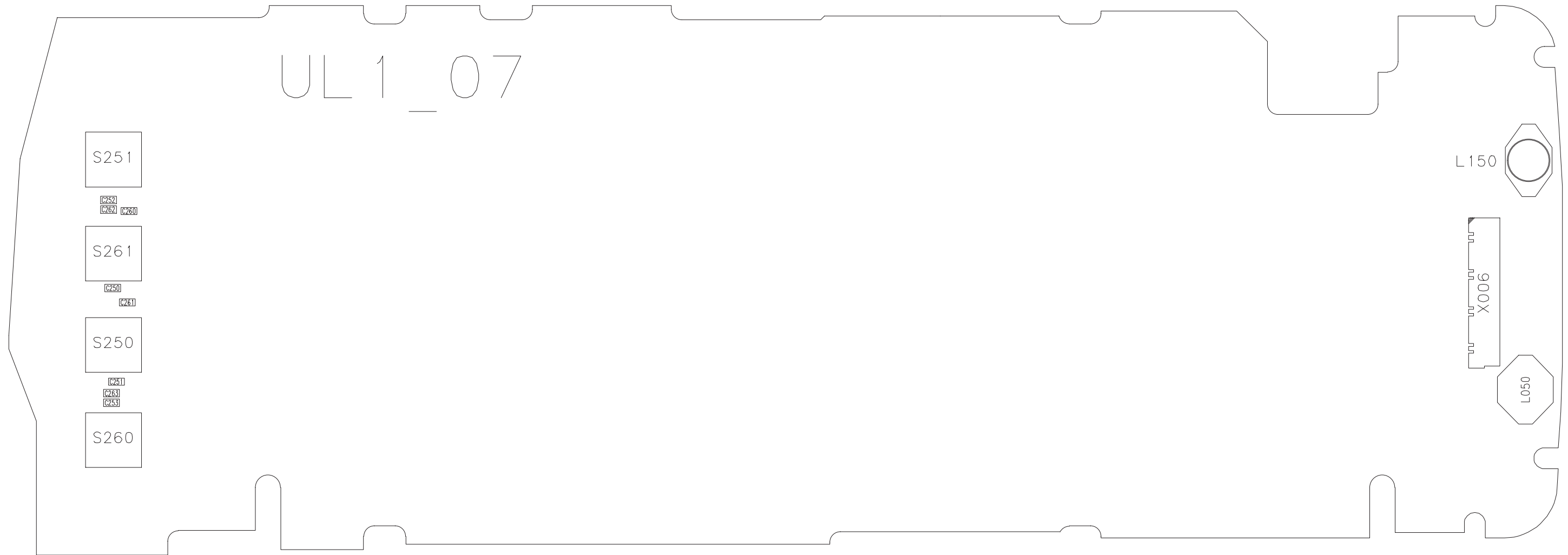
UL1\_06



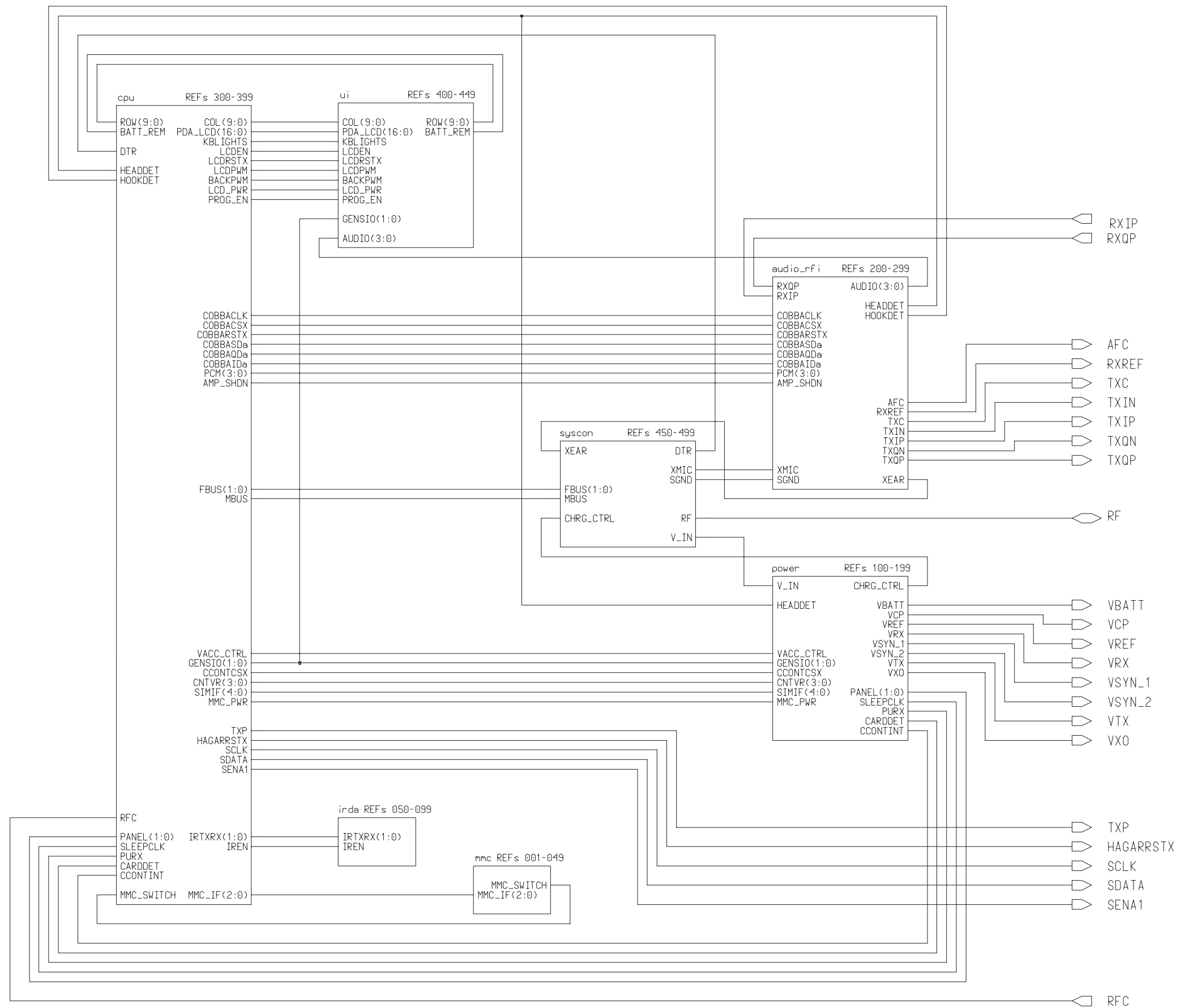




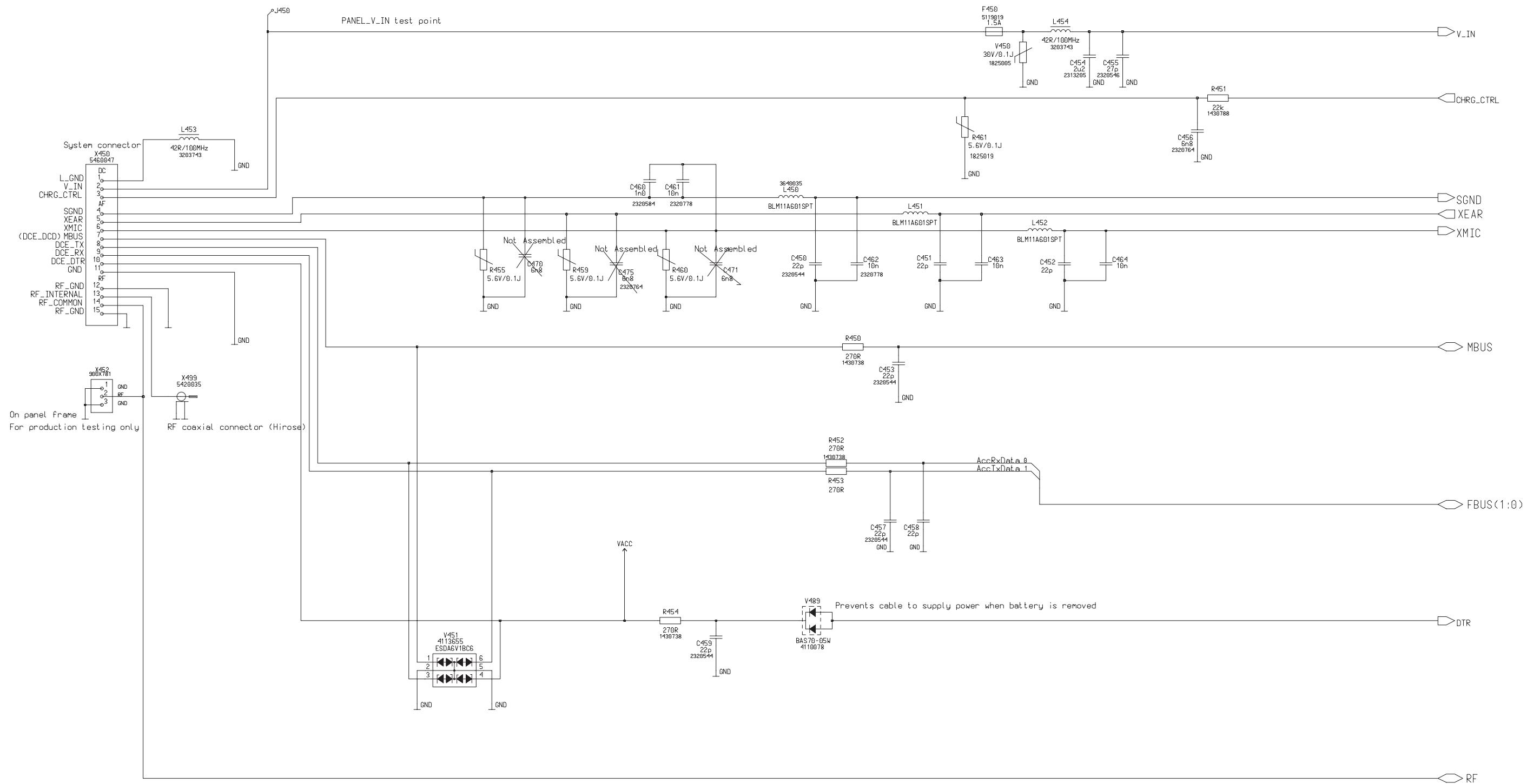
Parts Placement Diagram of UL1\_07 2/2



**Block Diagram of KL8\_06** System (Version 0.2 Edit 114)

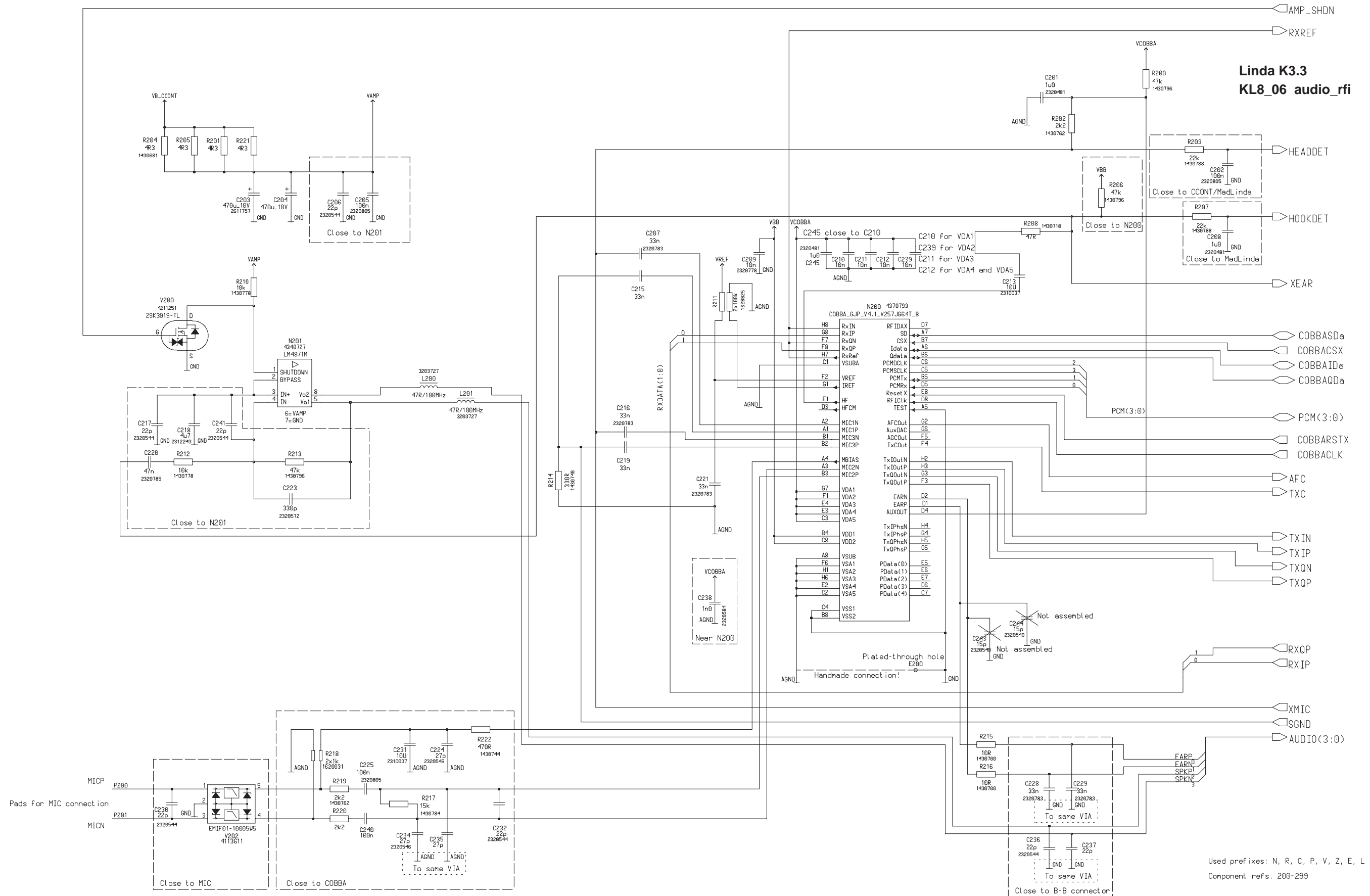


Circuit Diagram of KL8\_06 System Connector (Version 0.0 Edit 125)



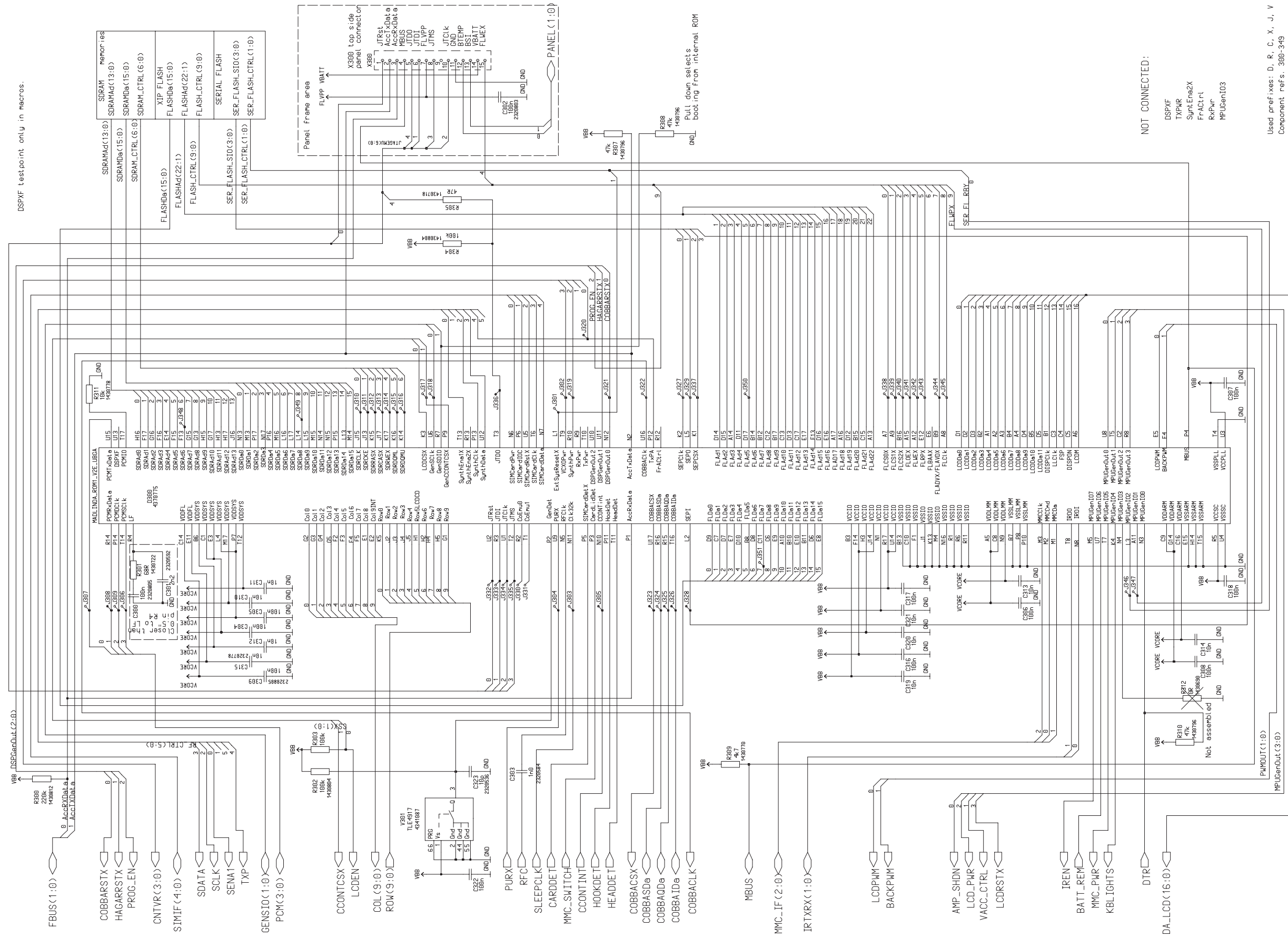
Used prefixes: X, R, C, L, F, V, J  
Component refs. 450-499

Circuit Diagram of KL8\_06 Audio RFI (Version 0.0 Edit 144)



Used prefixes: N, R, C, P, V, Z, E, L  
Component refs. 200-299

Circuit Diagram of KL8\_06 CPU (Version 0.0 Edit 167)



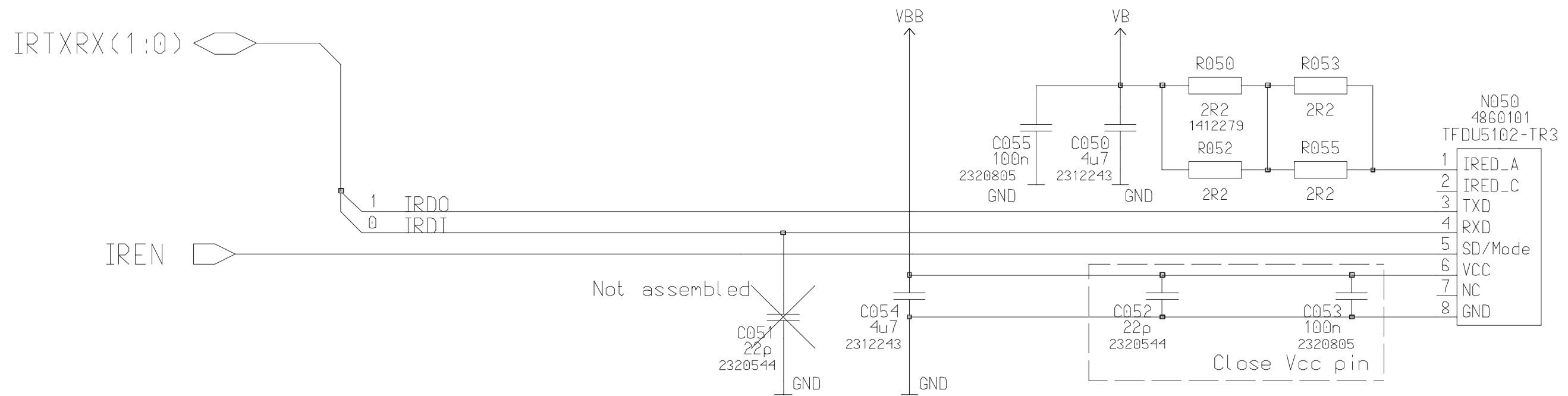
DSPXF test point only in macros.

NOT CONNECTED:

- DSPXF
- TXPR
- Spnt\_Ene2X
- FrActr1
- RxFpr
- MPUben103

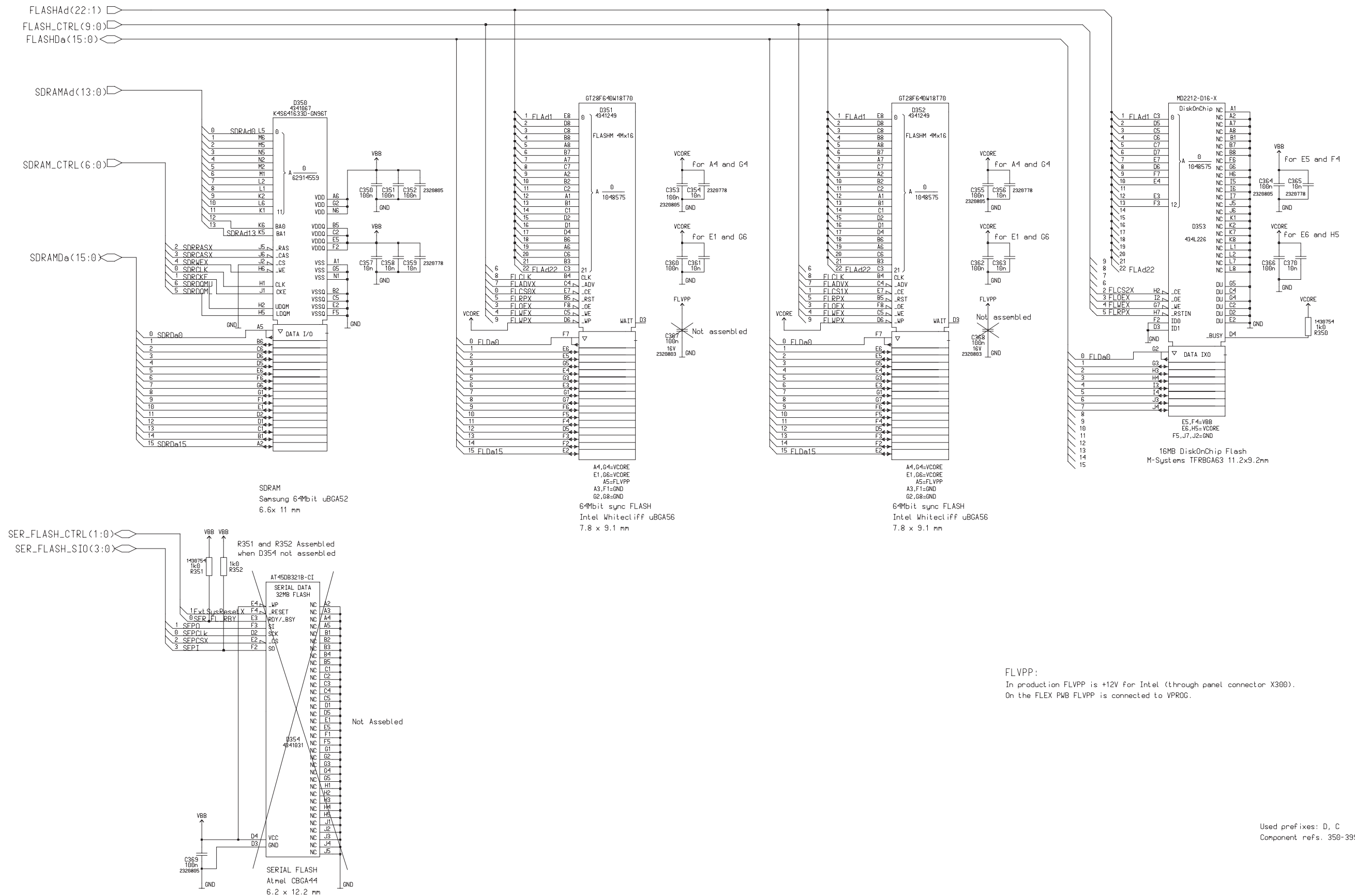
Used prefixes: D, R, C, X, J, V  
 Component refs: 300-349  
 J refs are out of range!

Circuit Diagram of KL8\_06 IRDA (Version 0.0 Edit 79)



All external components close to transceiver

Circuit Diagram of KL8\_06 memories (Version 0.0 Edit 106)

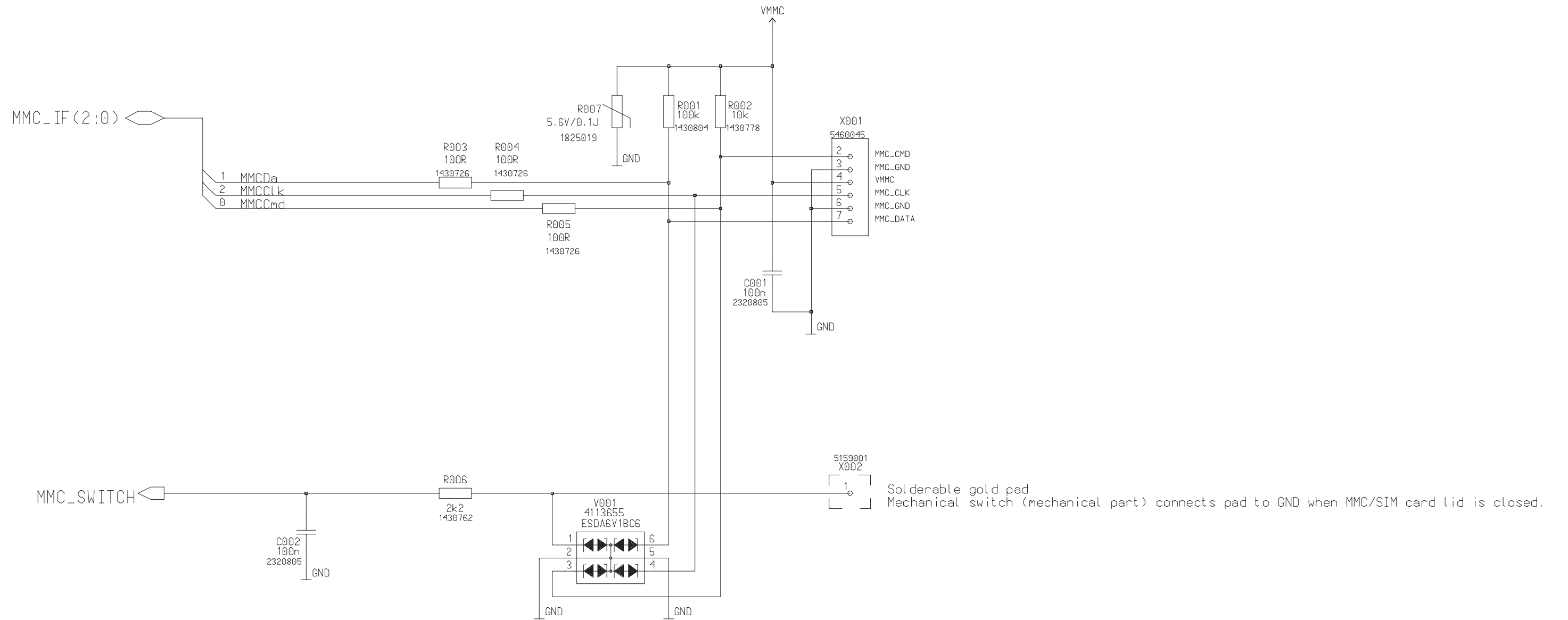


FLVPP:  
In production FLVPP is +12V for Intel (through panel connector X300).  
On the FLEX PWB FLVPP is connected to VPROG.

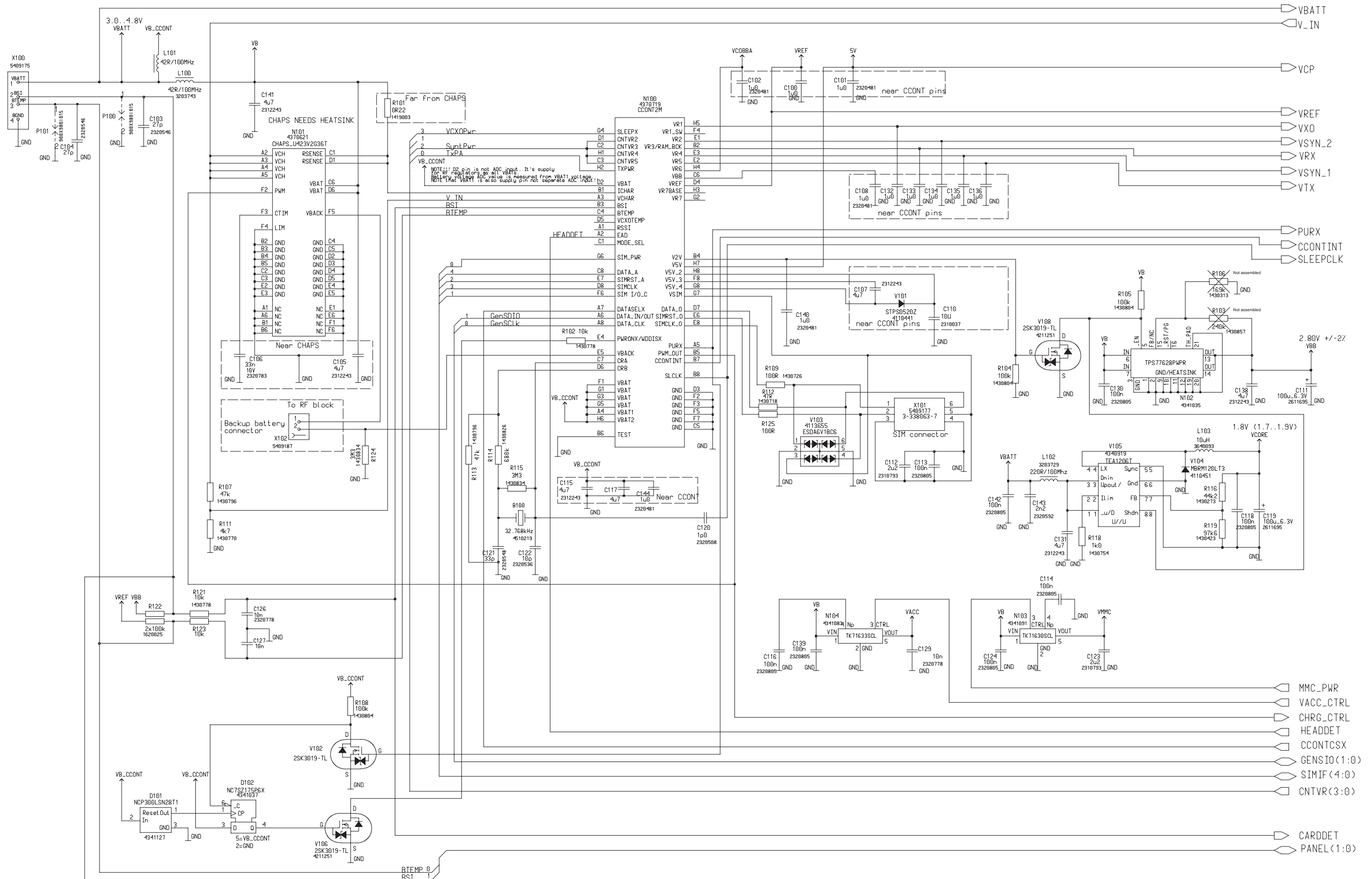
Used prefixes: D, C  
Component refs. 350-399



Circuit Diagram of KL8\_06 MMC (Version 0.0 Edit 73)

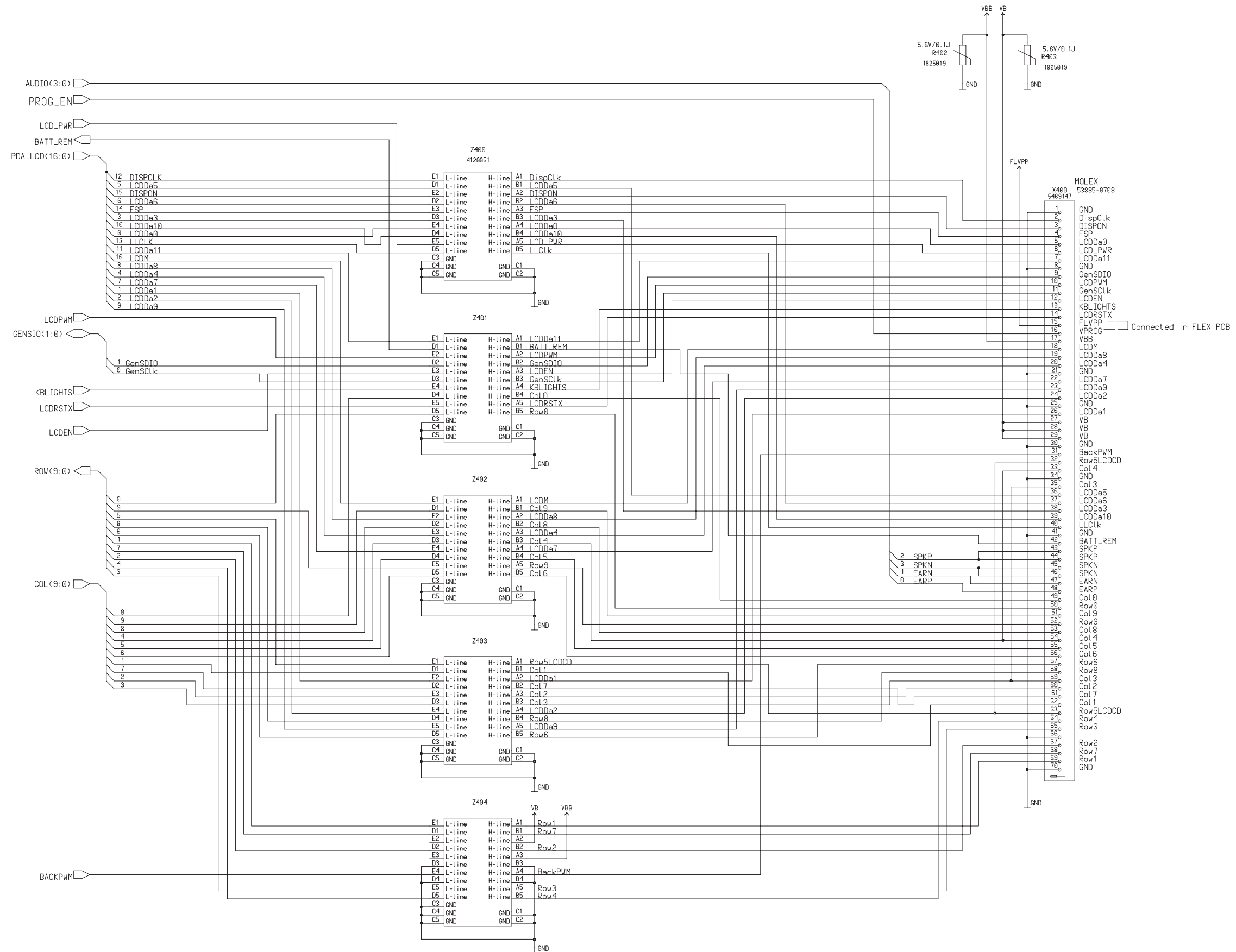


Circuit Diagram of KL8\_06 Power (Version 0.0 Edit 216)



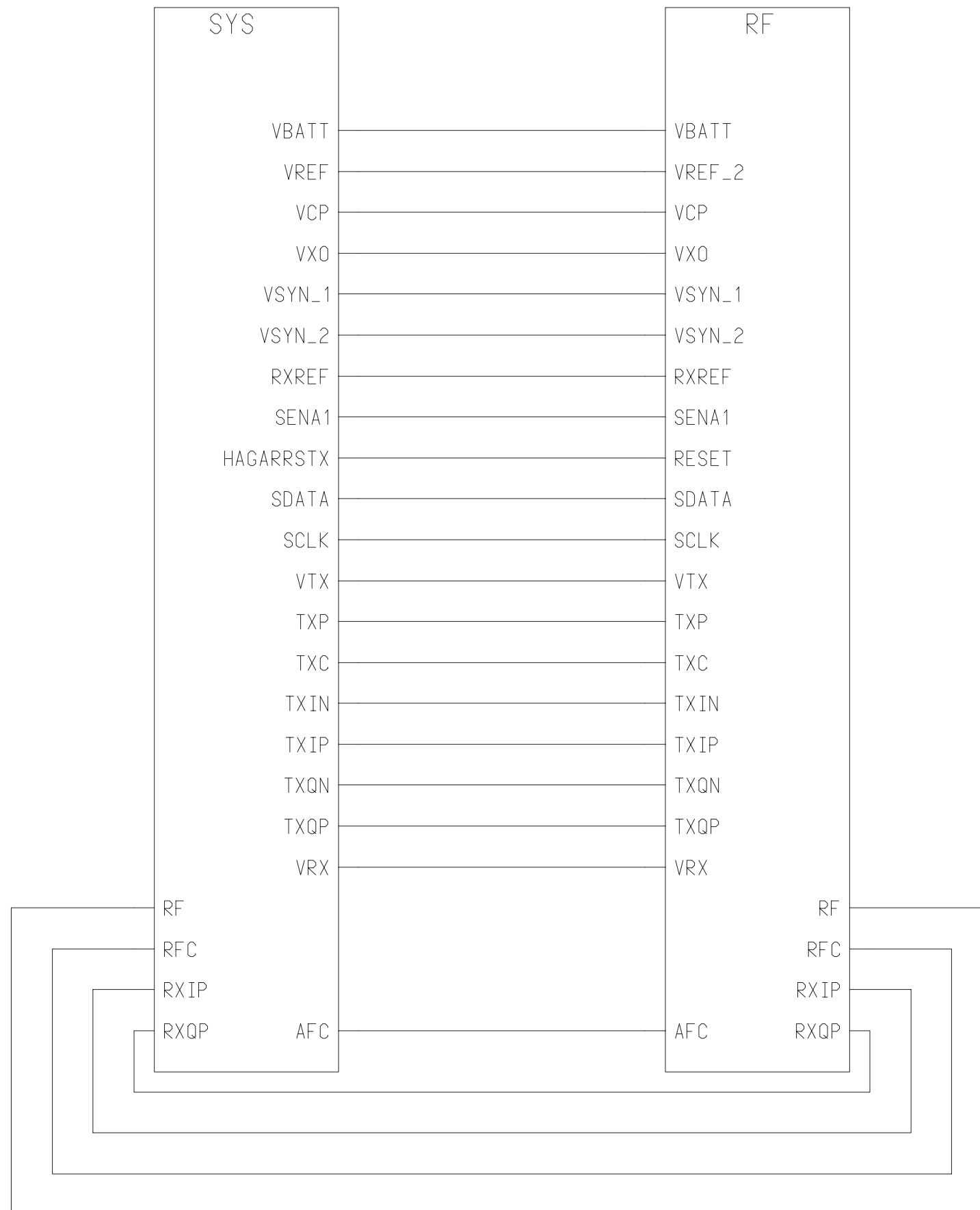
Used prefixes: N, R, C, X, V, L, B, P, D, J  
 Component refs. 100-199

Circuit Diagram of KL8\_06 User interface (Version 0.0 Edit 83)



Used prefixes: X, ...

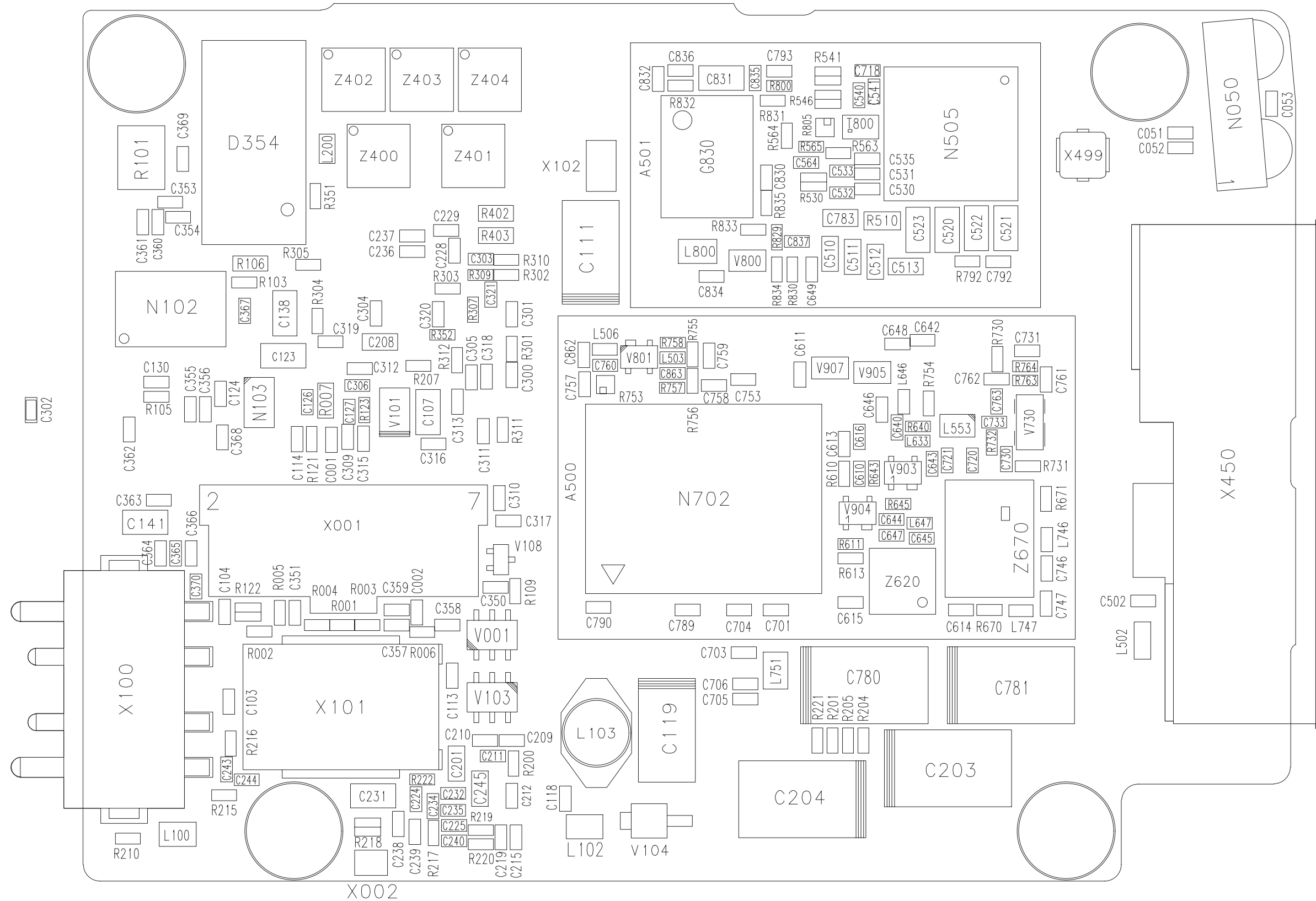
**Circuit Diagram of KL8\_06** BB/RF Connector (Version 1.0 Edit 63)





Parts Placement Diagram of KL8\_06 1/2

KL8\_06



Parts Placement Diagram of KL8\_06 2/2

KL8\_06

