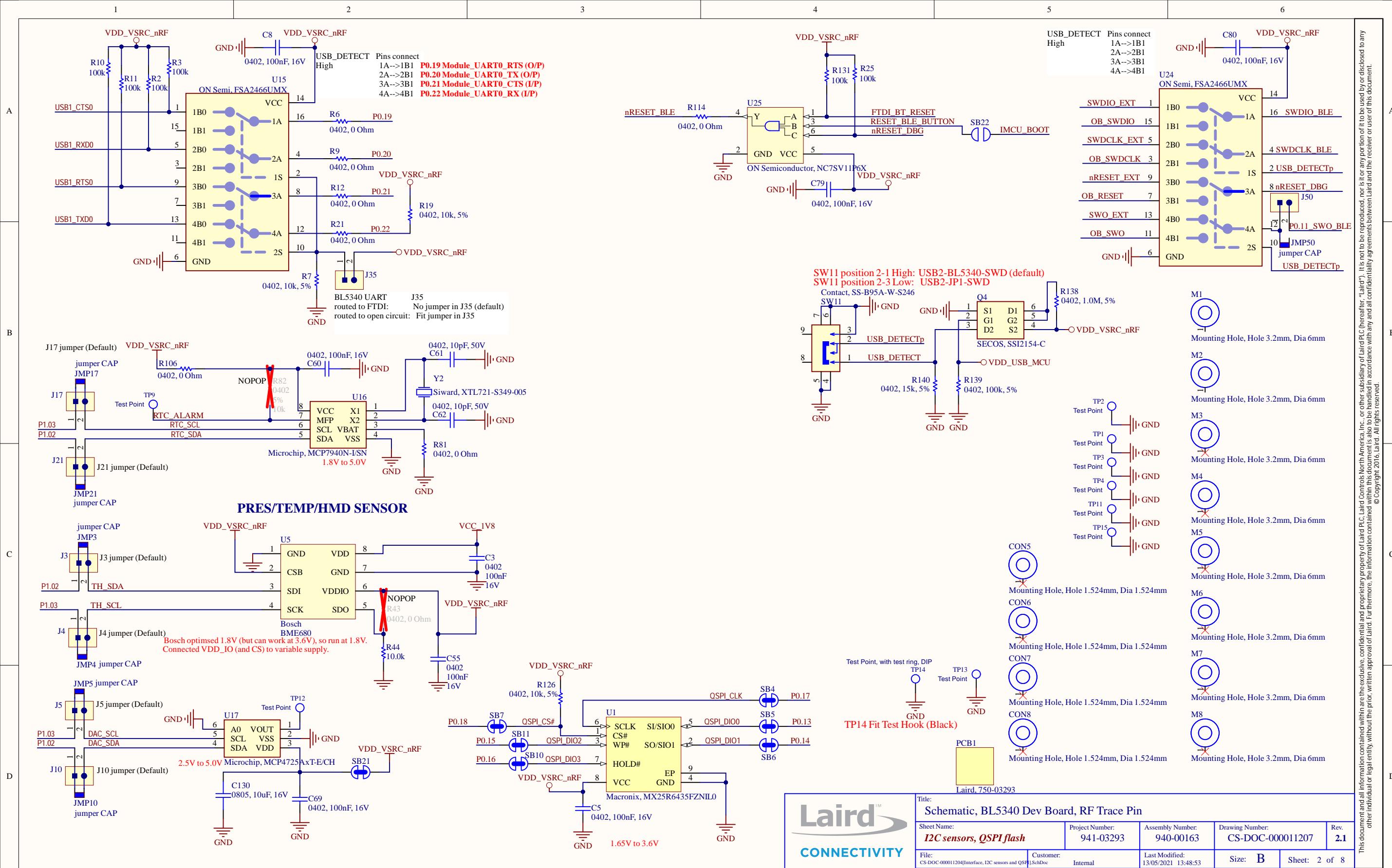
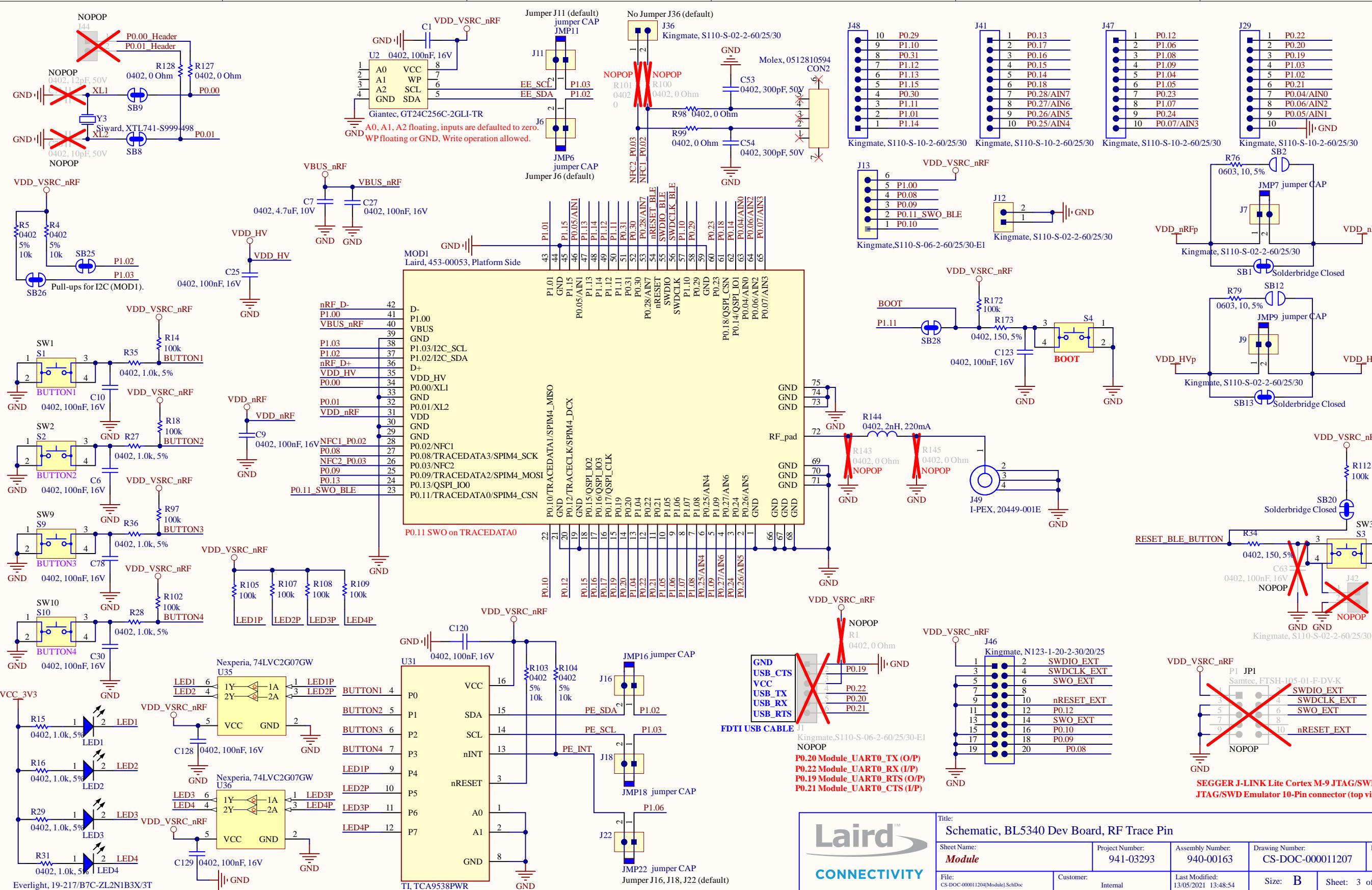
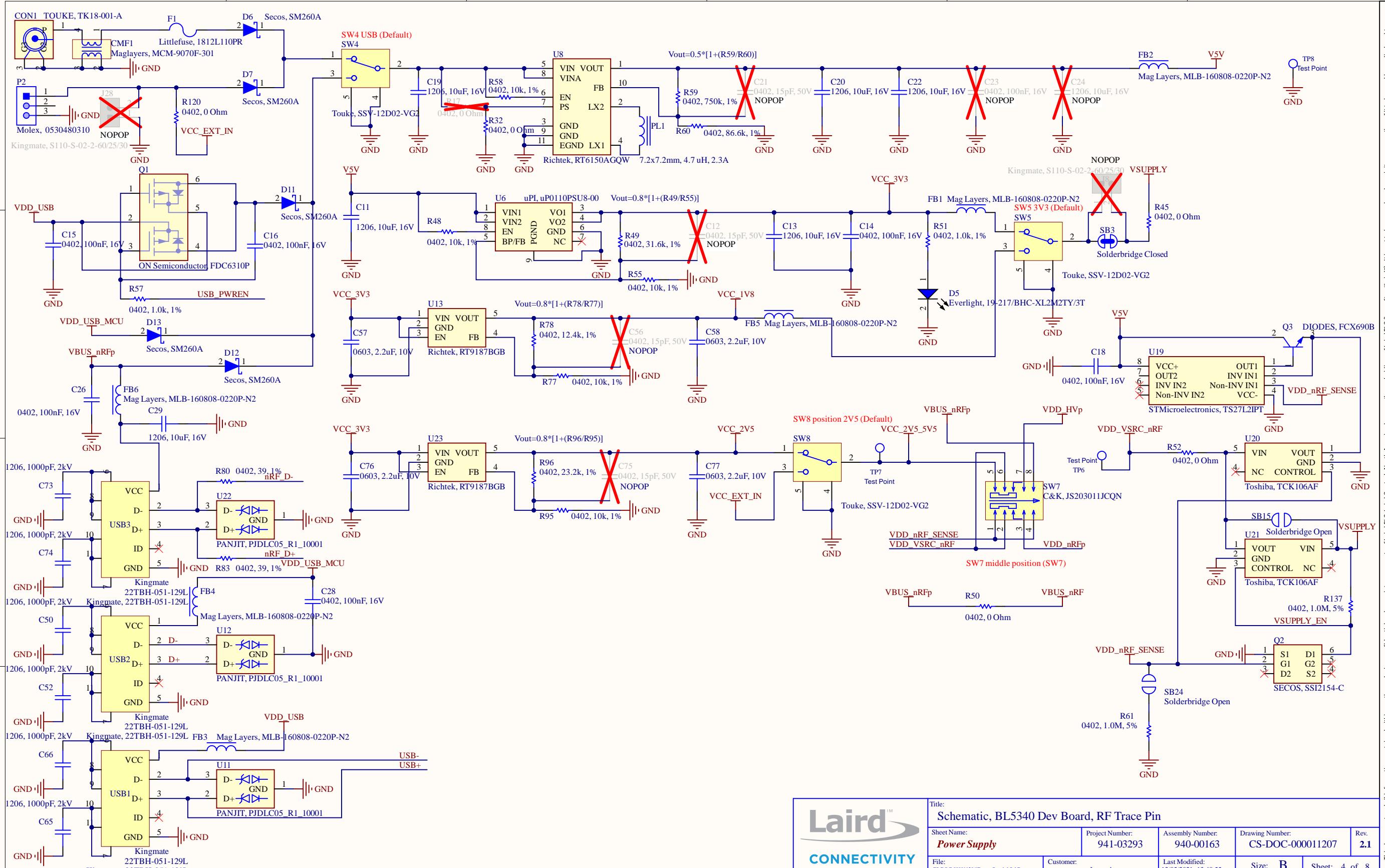


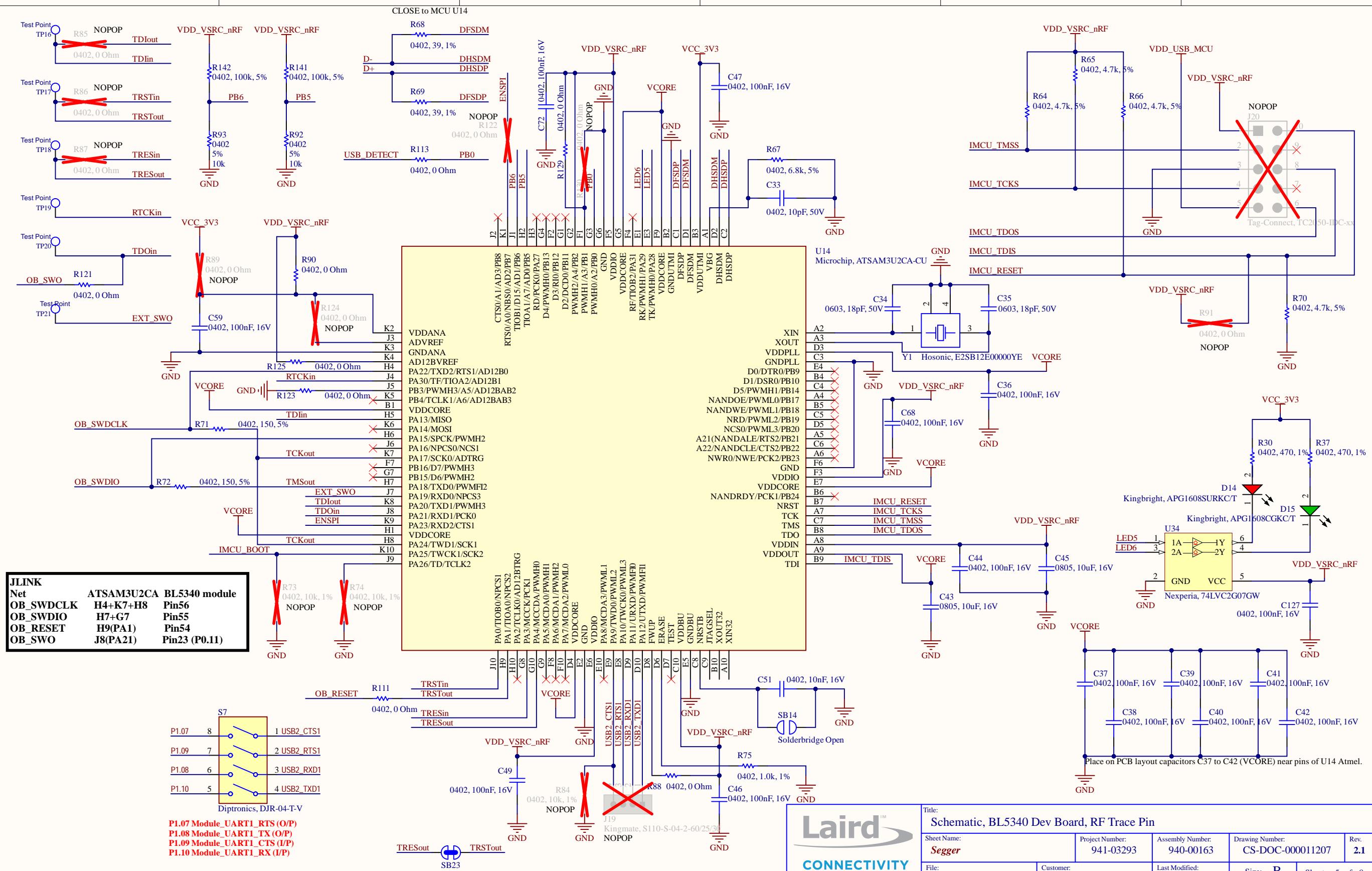
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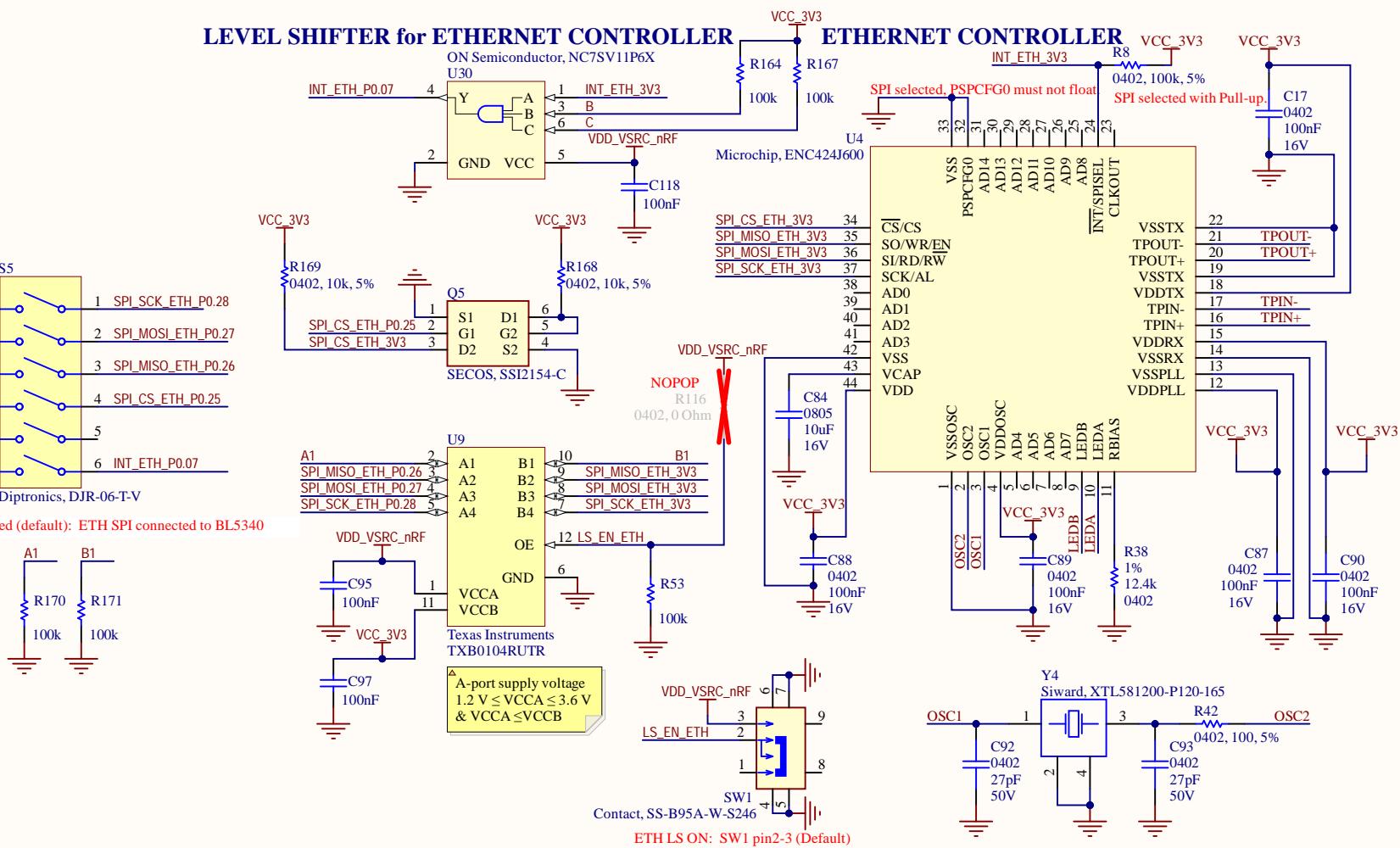
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Sheet Name: Power Supply		Project Number: 941-03293	Assembly Number: 940-00163
Drawing Number: CS-DOC-000011207		Rev. 2.1	
File: CS-DOC-000011204[Power Supply].SchDoc	Customer: Internal	Last Modified: 13/05/2021 13:48:55	
		Size: B	Sheet: 4 of 8



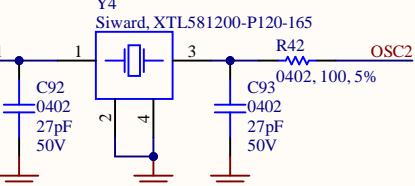
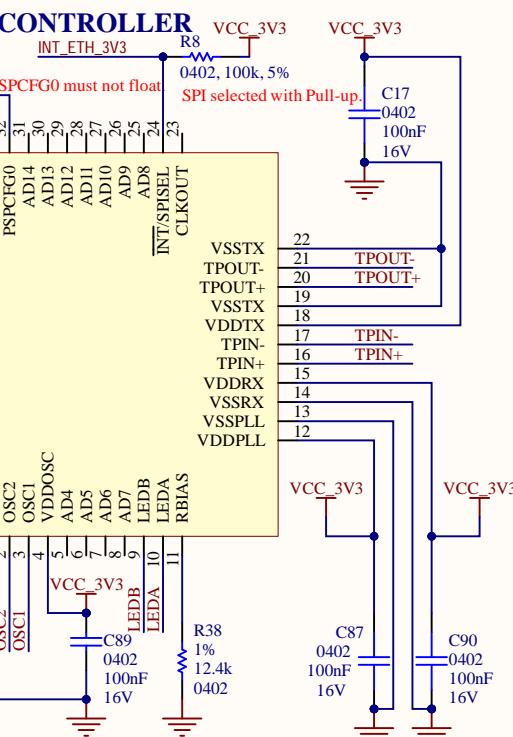


Keep TX, RX differential pairs PCB track short and 100R differential impedance.

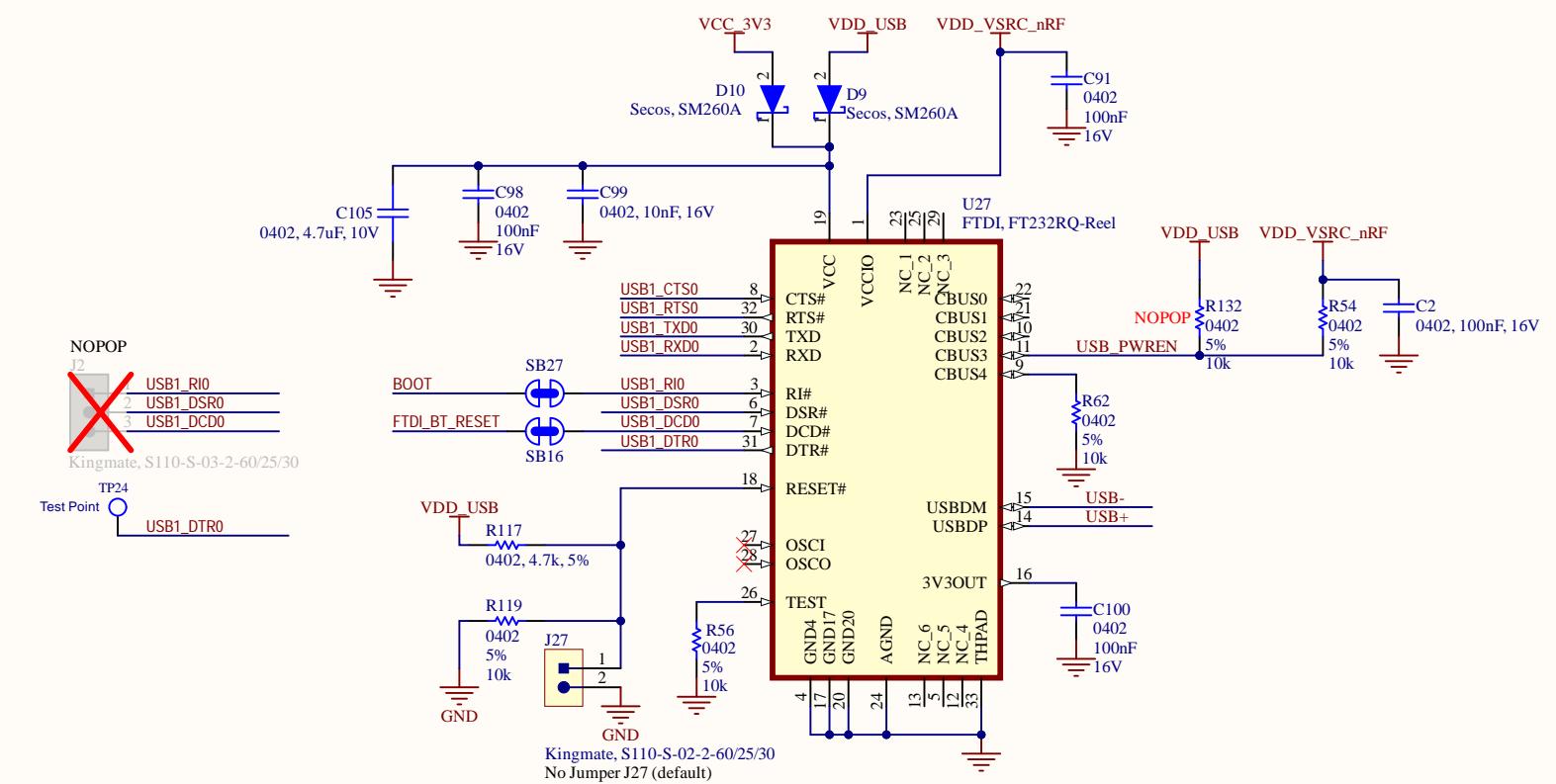
## LEVEL SHIFTER for ETHERNET CONTROLLER



## ETHERNET CONTROLLER



VCC\_3V3 → 33 (TPOUT+)  
100nF → C4  
0402, 10nF, 16V → C4  
VCC\_3V3 → 34 (TPOUT-)  
100nF → C17  
0402, 10nF, 16V → C17  
VCC\_3V3 → 35 (TPOUT+)  
100nF → R8  
0402, 100k, 5% → R8  
VCC\_3V3 → 36 (TPOUT-)  
100nF → C18  
0402, 10nF, 16V → C18  
VCC\_3V3 → 37 (INT/SPSEL)  
100nF → C19  
0402, 10nF, 16V → C19  
VCC\_3V3 → 38 (CLKOUT)  
100nF → C20  
0402, 10nF, 16V → C20  
VCC\_3V3 → 39 (VSSTX)  
100nF → C21  
0402, 10nF, 16V → C21  
VCC\_3V3 → 40 (TPOUT+)  
100nF → C22  
0402, 10nF, 16V → C22  
VCC\_3V3 → 41 (TPIN+)  
100nF → C23  
0402, 10nF, 16V → C23  
VCC\_3V3 → 42 (TPIN-)  
100nF → C24  
0402, 10nF, 16V → C24  
VCC\_3V3 → 43 (VSS)  
100nF → C25  
0402, 10nF, 16V → C25  
VCC\_3V3 → 44 (VDD)  
100nF → C26  
0402, 10nF, 16V → C26  
VCC\_3V3 → 45 (VDDPLL)  
100nF → C27  
0402, 10nF, 16V → C27  
VCC\_3V3 → 46 (VSSPLL)  
100nF → C28  
0402, 10nF, 16V → C28  
VCC\_3V3 → 47 (VDDOSC)  
100nF → C29  
0402, 10nF, 16V → C29  
VCC\_3V3 → 48 (VDDOSC)  
100nF → C30  
0402, 10nF, 16V → C30  
VCC\_3V3 → 49 (AD0)  
100nF → C31  
0402, 10nF, 16V → C31  
VCC\_3V3 → 50 (AD1)  
100nF → C32  
0402, 10nF, 16V → C32  
VCC\_3V3 → 51 (AD2)  
100nF → C33  
0402, 10nF, 16V → C33  
VCC\_3V3 → 52 (AD3)  
100nF → C34  
0402, 10nF, 16V → C34  
VCC\_3V3 → 53 (AD4)  
100nF → C35  
0402, 10nF, 16V → C35  
VCC\_3V3 → 54 (AD5)  
100nF → C36  
0402, 10nF, 16V → C36  
VCC\_3V3 → 55 (AD6)  
100nF → C37  
0402, 10nF, 16V → C37  
VCC\_3V3 → 56 (AD7)  
100nF → C38  
0402, 10nF, 16V → C38  
VCC\_3V3 → 57 (AD8)  
100nF → C39  
0402, 10nF, 16V → C39  
VCC\_3V3 → 58 (AD9)  
100nF → C40  
0402, 10nF, 16V → C40  
VCC\_3V3 → 59 (AD10)  
100nF → C41  
0402, 10nF, 16V → C41  
VCC\_3V3 → 60 (AD11)  
100nF → C42  
0402, 10nF, 16V → C42  
VCC\_3V3 → 61 (AD12)  
100nF → C43  
0402, 10nF, 16V → C43  
VCC\_3V3 → 62 (AD13)  
100nF → C44  
0402, 10nF, 16V → C44  
VCC\_3V3 → 63 (AD14)  
100nF → C45  
0402, 10nF, 16V → C45  
VCC\_3V3 → 64 (AD15)  
100nF → C46  
0402, 10nF, 16V → C46  
VCC\_3V3 → 65 (AD16)  
100nF → C47  
0402, 10nF, 16V → C47  
VCC\_3V3 → 66 (AD17)  
100nF → C48  
0402, 10nF, 16V → C48  
VCC\_3V3 → 67 (AD18)  
100nF → C49  
0402, 10nF, 16V → C49  
VCC\_3V3 → 68 (AD19)  
100nF → C50  
0402, 10nF, 16V → C50  
VCC\_3V3 → 69 (AD20)  
100nF → C51  
0402, 10nF, 16V → C51  
VCC\_3V3 → 70 (AD21)  
100nF → C52  
0402, 10nF, 16V → C52  
VCC\_3V3 → 71 (AD22)  
100nF → C53  
0402, 10nF, 16V → C53  
VCC\_3V3 → 72 (AD23)  
100nF → C54  
0402, 10nF, 16V → C54  
VCC\_3V3 → 73 (AD24)  
100nF → C55  
0402, 10nF, 16V → C55  
VCC\_3V3 → 74 (AD25)  
100nF → C56  
0402, 10nF, 16V → C56  
VCC\_3V3 → 75 (AD26)  
100nF → C57  
0402, 10nF, 16V → C57  
VCC\_3V3 → 76 (AD27)  
100nF → C58  
0402, 10nF, 16V → C58  
VCC\_3V3 → 77 (AD28)  
100nF → C59  
0402, 10nF, 16V → C59  
VCC\_3V3 → 78 (AD29)  
100nF → C60  
0402, 10nF, 16V → C60  
VCC\_3V3 → 79 (AD30)  
100nF → C61  
0402, 10nF, 16V → C61  
VCC\_3V3 → 80 (AD31)  
100nF → C62  
0402, 10nF, 16V → C62  
VCC\_3V3 → 81 (AD32)  
100nF → C63  
0402, 10nF, 16V → C63  
VCC\_3V3 → 82 (AD33)  
100nF → C64  
0402, 10nF, 16V → C64  
VCC\_3V3 → 83 (AD34)  
100nF → C65  
0402, 10nF, 16V → C65  
VCC\_3V3 → 84 (AD35)  
100nF → C66  
0402, 10nF, 16V → C66  
VCC\_3V3 → 85 (AD36)  
100nF → C67  
0402, 10nF, 16V → C67  
VCC\_3V3 → 86 (AD37)  
100nF → C68  
0402, 10nF, 16V → C68  
VCC\_3V3 → 87 (AD38)  
100nF → C69  
0402, 10nF, 16V → C69  
VCC\_3V3 → 88 (AD39)  
100nF → C70  
0402, 10nF, 16V → C70  
VCC\_3V3 → 89 (AD40)  
100nF → C71  
0402, 10nF, 16V → C71  
VCC\_3V3 → 90 (AD41)  
100nF → C72  
0402, 10nF, 16V → C72  
VCC\_3V3 → 91 (AD42)  
100nF → C73  
0402, 10nF, 16V → C73  
VCC\_3V3 → 92 (AD43)  
100nF → C74  
0402, 10nF, 16V → C74  
VCC\_3V3 → 93 (AD44)  
100nF → C75  
0402, 10nF, 16V → C75  
VCC\_3V3 → 94 (AD45)  
100nF → C76  
0402, 10nF, 16V → C76  
VCC\_3V3 → 95 (AD46)  
100nF → C77  
0402, 10nF, 16V → C77  
VCC\_3V3 → 96 (AD47)  
100nF → C78  
0402, 10nF, 16V → C78  
VCC\_3V3 → 97 (AD48)  
100nF → C79  
0402, 10nF, 16V → C79  
VCC\_3V3 → 98 (AD49)  
100nF → C80  
0402, 10nF, 16V → C80  
VCC\_3V3 → 99 (AD50)  
100nF → C81  
0402, 10nF, 16V → C81  
VCC\_3V3 → 100 (AD51)  
100nF → C82  
0402, 10nF, 16V → C82  
VCC\_3V3 → 101 (AD52)  
100nF → C83  
0402, 10nF, 16V → C83  
VCC\_3V3 → 102 (AD53)  
100nF → C84  
0402, 10nF, 16V → C84  
VCC\_3V3 → 103 (AD54)  
100nF → C85  
0402, 10nF, 16V → C85  
VCC\_3V3 → 104 (AD55)  
100nF → C86  
0402, 10nF, 16V → C86  
VCC\_3V3 → 105 (AD56)  
100nF → C87  
0402, 10nF, 16V → C87  
VCC\_3V3 → 106 (AD57)  
100nF → C88  
0402, 10nF, 16V → C88  
VCC\_3V3 → 107 (AD58)  
100nF → C89  
0402, 10nF, 16V → C89  
VCC\_3V3 → 108 (AD59)  
100nF → C90  
0402, 10nF, 16V → C90  
VCC\_3V3 → 109 (AD60)  
100nF → C91  
0402, 10nF, 16V → C91  
VCC\_3V3 → 110 (AD61)  
100nF → C92  
0402, 10nF, 16V → C92  
VCC\_3V3 → 111 (AD62)  
100nF → C93  
0402, 10nF, 16V → C93  
VCC\_3V3 → 112 (AD63)  
100nF → C94  
0402, 10nF, 16V → C94  
VCC\_3V3 → 113 (AD64)  
100nF → C95  
0402, 10nF, 16V → C95  
VCC\_3V3 → 114 (AD65)  
100nF → C96  
0402, 10nF, 16V → C96  
VCC\_3V3 → 115 (AD66)  
100nF → C97  
0402, 10nF, 16V → C97  
VCC\_3V3 → 116 (AD67)  
100nF → C98  
0402, 10nF, 16V → C98  
VCC\_3V3 → 117 (AD68)  
100nF → C99  
0402, 10nF, 16V → C99  
VCC\_3V3 → 118 (AD69)  
100nF → C100  
0402, 10nF, 16V → C100  
VCC\_3V3 → 119 (AD70)  
100nF → C101  
0402, 10nF, 16V → C101  
VCC\_3V3 → 120 (AD71)  
100nF → C102  
0402, 10nF, 16V → C102  
VCC\_3V3 → 121 (AD72)  
100nF → C103  
0402, 10nF, 16V → C103  
VCC\_3V3 → 122 (AD73)  
100nF → C104  
0402, 10nF, 16V → C104  
VCC\_3V3 → 123 (AD74)  
100nF → C105  
0402, 10nF, 16V → C105  
VCC\_3V3 → 124 (AD75)  
100nF → C106  
0402, 10nF, 16V → C106  
VCC\_3V3 → 125 (AD76)  
100nF → C107  
0402, 10nF, 16V → C107  
VCC\_3V3 → 126 (AD77)  
100nF → C108  
0402, 10nF, 16V → C108  
VCC\_3V3 → 127 (AD78)  
100nF → C109  
0402, 10nF, 16V → C109  
VCC\_3V3 → 128 (AD79)  
100nF → C110  
0402, 10nF, 16V → C110  
VCC\_3V3 → 129 (AD80)  
100nF → C111  
0402, 10nF, 16V → C111  
VCC\_3V3 → 130 (AD81)  
100nF → C112  
0402, 10nF, 16V → C112  
VCC\_3V3 → 131 (AD82)  
100nF → C113  
0402, 10nF, 16V → C113  
VCC\_3V3 → 132 (AD83)  
100nF → C114  
0402, 10nF, 16V → C114  
VCC\_3V3 → 133 (AD84)  
100nF → C115  
0402, 10nF, 16V → C115  
VCC\_3V3 → 134 (AD85)  
100nF → C116  
0402, 10nF, 16V → C116  
VCC\_3V3 → 135 (AD86)  
100nF → C117  
0402, 10nF, 16V → C117  
VCC\_3V3 → 136 (AD87)  
100nF → C118  
0402, 10nF, 16V → C118  
VCC\_3V3 → 137 (AD88)  
100nF → C119  
0402, 10nF, 16V → C119  
VCC\_3V3 → 138 (AD89)  
100nF → C120  
0402, 10nF, 16V → C120  
VCC\_3V3 → 139 (AD90)  
100nF → C121  
0402, 10nF, 16V → C121  
VCC\_3V3 → 140 (AD91)  
100nF → C122  
0402, 10nF, 16V → C122  
VCC\_3V3 → 141 (AD92)  
100nF → C123  
0402, 10nF, 16V → C123  
VCC\_3V3 → 142 (AD93)  
100nF → C124  
0402, 10nF, 16V → C124  
VCC\_3V3 → 143 (AD94)  
100nF → C125  
0402, 10nF, 16V → C125  
VCC\_3V3 → 144 (AD95)  
100nF → C126  
0402, 10nF, 16V → C126  
VCC\_3V3 → 145 (AD96)  
100nF → C127  
0402, 10nF, 16V → C127  
VCC\_3V3 → 146 (AD97)  
100nF → C128  
0402, 10nF, 16V → C128  
VCC\_3V3 → 147 (AD98)  
100nF → C129  
0402, 10nF, 16V → C129  
VCC\_3V3 → 148 (AD99)  
100nF → C130  
0402, 10nF, 16V → C130  
VCC\_3V3 → 149 (AD100)  
100nF → C131  
0402, 10nF, 16V → C131  
VCC\_3V3 → 150 (AD101)  
100nF → C132  
0402, 10nF, 16V → C132  
VCC\_3V3 → 151 (AD102)  
100nF → C133  
0402, 10nF, 16V → C133  
VCC\_3V3 → 152 (AD103)  
100nF → C134  
0402, 10nF, 16V → C134  
VCC\_3V3 → 153 (AD104)  
100nF → C135  
0402, 10nF, 16V → C135  
VCC\_3V3 → 154 (AD105)  
100nF → C136  
0402, 10nF, 16V → C136  
VCC\_3V3 → 155 (AD106)  
100nF → C137  
0402, 10nF, 16V → C137  
VCC\_3V3 → 156 (AD107)  
100nF → C138  
0402, 10nF, 16V → C138  
VCC\_3V3 → 157 (AD108)  
100nF → C139  
0402, 10nF, 16V → C139  
VCC\_3V3 → 158 (AD109)  
100nF → C140  
0402, 10nF, 16V → C140  
VCC\_3V3 → 159 (AD110)  
100nF → C141  
0402, 10nF, 16V → C141  
VCC\_3V3 → 160 (AD111)  
100nF → C142  
0402, 10nF, 16V → C142  
VCC\_3V3 → 161 (AD112)  
100nF → C143  
0402, 10nF, 16V → C143  
VCC\_3V3 → 162 (AD113)  
100nF → C144  
0402, 10nF, 16V → C144  
VCC\_3V3 → 163 (AD114)  
100nF → C145  
0402, 10nF, 16V → C145  
VCC\_3V3 → 164 (AD115)  
100nF → C146  
0402, 10nF, 16V → C146  
VCC\_3V3 → 165 (AD116)  
100nF → C147  
0402, 10nF, 16V → C147  
VCC\_3V3 → 166 (AD117)  
100nF → C148  
0402, 10nF, 16V → C148  
VCC\_3V3 → 167 (AD118)  
100nF → C149  
0402, 10nF, 16V → C149  
VCC\_3V3 → 168 (

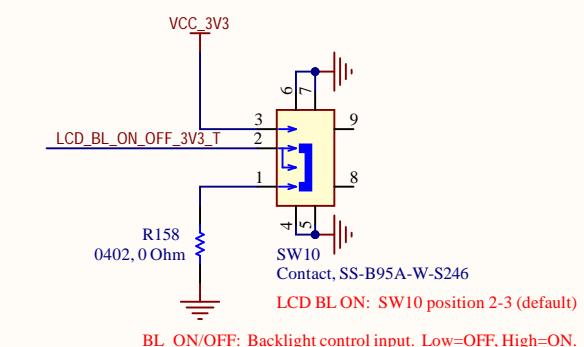
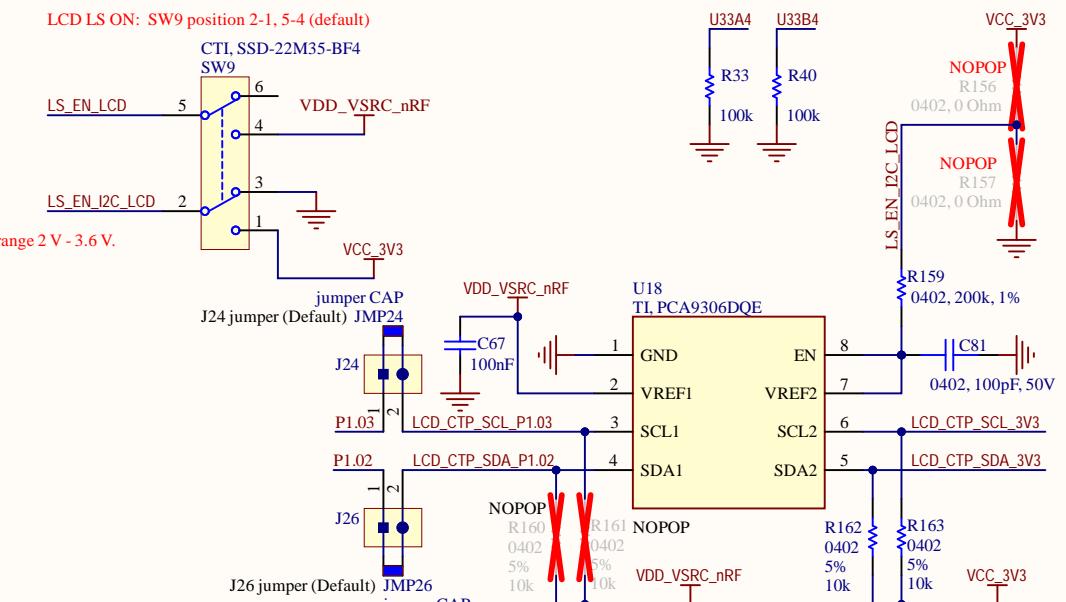
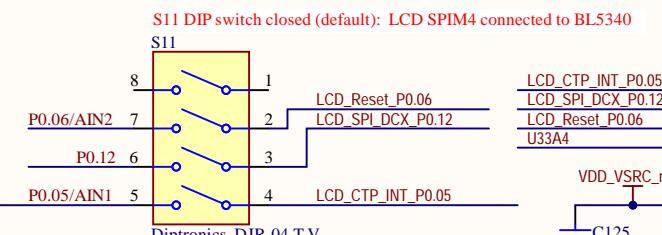
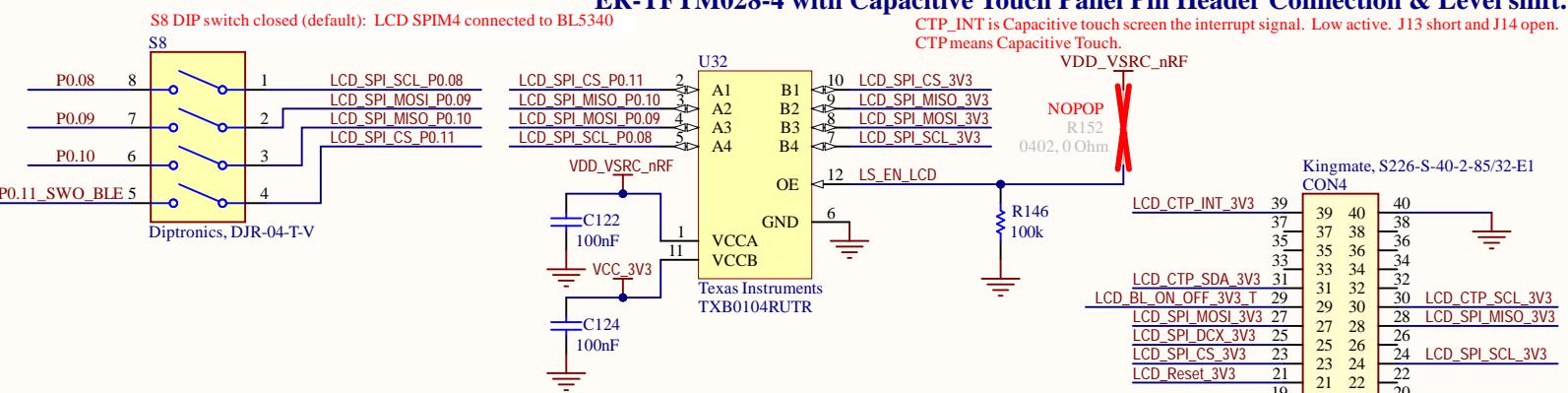


Title:  
**Schematic, BL5340 Dev Board, RF Trace Pin**

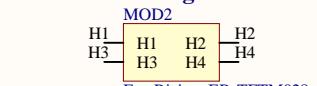
Sheet Name: <b>FTDI USB to UART</b>	Project Number: 941-03293	Assembly Number: 940-00163	Drawing Number: CS-DOC-000011207	Rev. 2.1
File: CS-DOC-000011204 FTDI USB to UART.SchDoc	Customer: Internal	Last Modified: 13/05/2021 13:48:59	Size: <b>B</b>	Sheet: <b>7 of 8</b>

## ER-TFTM028-4 with Capacitive Touch Panel Pin Header Connection & Level shift.

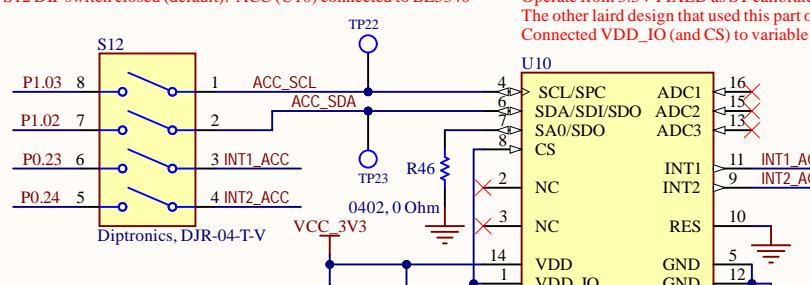
CTP\_INT is Capacitive touch screen the interrupt signal. Low active. J13 short and J14 open.  
CTP means Capacitive Touch.



## ER-TFTM028-4 with Capacitive Touch Panel assembly and Mounting holes



S12 DIP switch closed (default): ACC (U10) connected to BL5340



## 3-axis ACCELEROMETER

Operate from 3.3V FIXED as ST calibrated at 2.5V and operating voltage range 2 V - 3.6 V.  
The other laird design that used this part operated from 1.8V.  
Connected VDD\_IO (and CS) to variable supply.

