

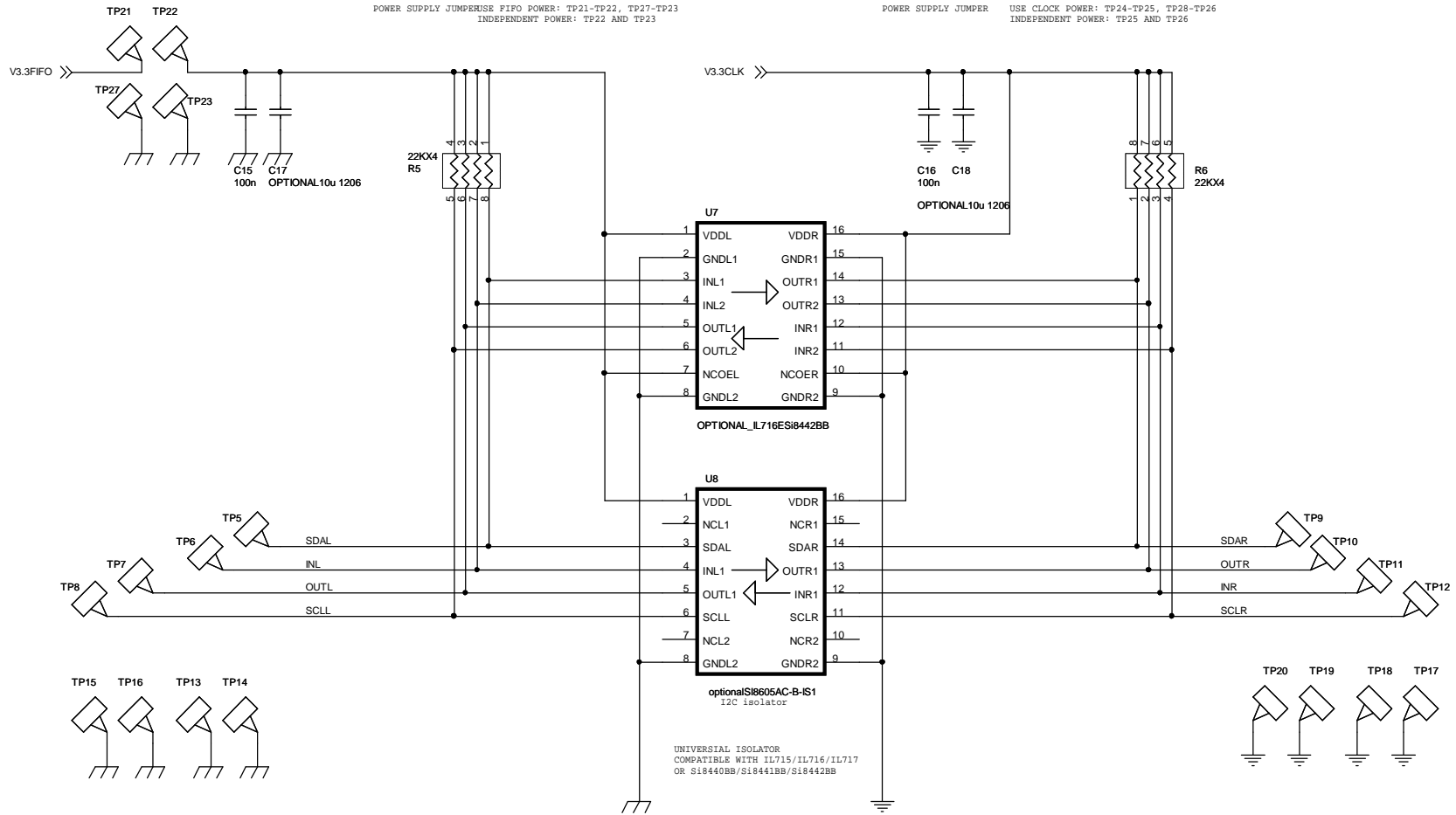
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| | | |
|------------------------------------|-----------------------------|--------------------------|
| Title | | |
| GALVANIC ISOLATION ADAPTER OF FIFO | | |
| Size B | Document Number | Rev 2.5 |
| | Design by Ian | iancanada.mail@gmail.com |
| Date: | Saturday, December 15, 2012 | Sheet 1 of 3 |

Do not need assemble anything in this page if don't use the additional univiersal isolator

POWER SUPPLY JUMPERISE FIFO POWER: TP21-TP22, TP27-TP23
INDEPENDENT POWER: TP22 AND TP23

POWER SUPPLY JUMPER USE CLOCK POWER: TP24-TP25, TP28-TP26
INDEPENDENT POWER: TP25 AND TP26



2012-11-04 ADD AN OPTIONAL I2C/UART ISOLATOR

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| ADDITIONAL I2C/UART ISOLATOR | | | |
| Size B | Document Number | Design by Ian | Rev 2.5 |
| Date: | Saturday, January 05, 2013 | Sheet 2 of 3 | |

Standard Configuration

U2,U3 :
ADP151AUJZ-3.3 ADP151AUJZ-3.3-R7CT-ND or
TLV70033QDDCRQ1 296-27780-1-ND

U1,U5 SI8650BC-B-IS1 336-2099-5-ND

C1,C3,C4,C6: 10u 1206 MLCC 490-6518-2-ND

C7,C8,C11,C12,C19,C20,C21,C22:
100n 0603 MLCC 445-1314-2-ND

R1,R2,R3,R4: 33ohm*4 YC164J-33CT-ND

L2,L3: FB 0805 490-1040-2-ND

R7,R8: 1K 0603

D1,D2: LED 0603

J7,J8: PH2.0mm 7P SMD 455-1739-1-ND

J9,J10: FFC 1mm 10P SMD WM3767CT-ND

J1,J2,J3,J4,J5,J6: OPTIONAL UF.L SOCKETS H11891CT-ND

Optional Parts

U4,U6 (to replace U2 U3)
IL260E 390-1068-5-ND

U9 ,U10 (to replace U1,U5)
LP5900SDX-3.3/NOPBCT-ND

Additional I2C/UART isolator

(No need assemble if don't use)

U8: SI8605AC-B-IS1 336-2052-5-ND

C15,C16:
100n 0603 MLCC 445-1314-2-ND

R5,R6: 22K*4 YC164J-22KCT-ND

To bypass U3

(No need normally)

Remove U3,
Assemble L1 445-1558-1-ND

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|----------------------------------|-----------------------------|--------------------------|--------|
| Title | | | |
| BOM OF ISOLATION ADAPTER OF FIFO | | | |
| Size | Document Number | Design by Ian | Rev |
| A | | iancanada.mail@gmail.com | 2.5 |
| Date: | Thursday, February 07, 2013 | Sheet | 3 of 3 |