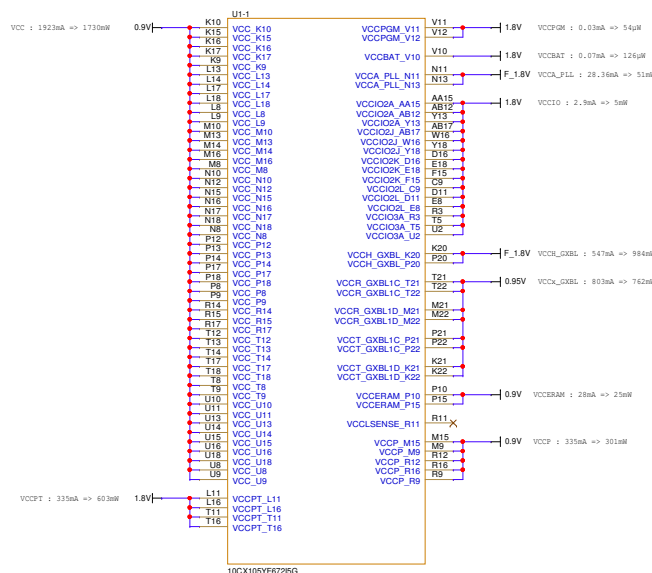
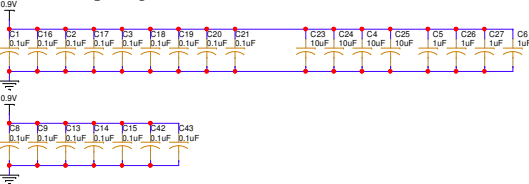


orolia		
Title <b>OVERVIEW</b>		
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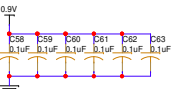
FPGA POWER SUPPLY



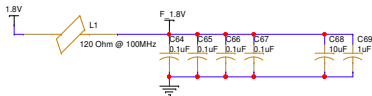
VCC Decoupling



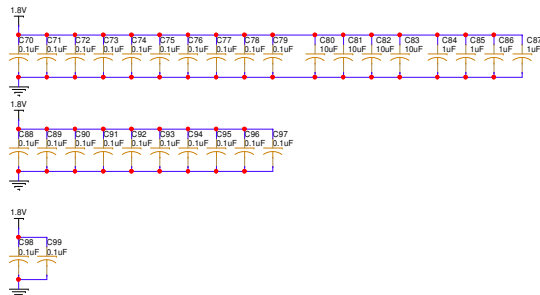
VCCP and VCCERAM Decoupling



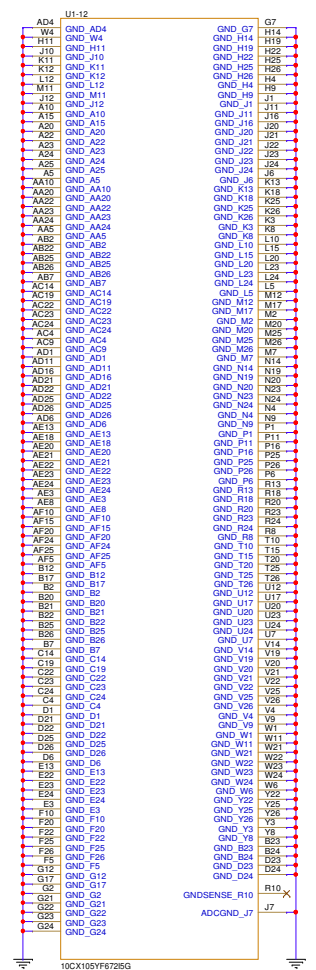
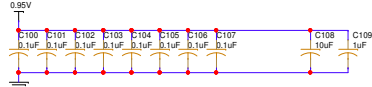
VCCA\_PLL and VCCG\_XBL Decoupling



VCCPT, VCCPGM, VCCBAT and VCCIO Decoupling



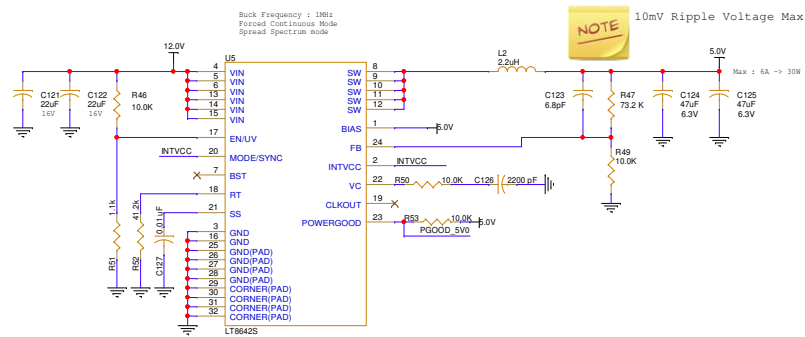
VCCR/VCCT Decoupling



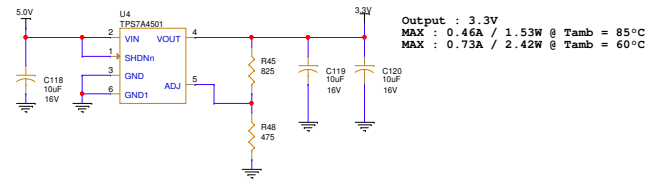


POWER NEED :	FPGA :	OCXO :	Comp :	TOTAL
on 12V :	:	7500 :	:	7500 m
On 11V_ANA :	:	:	80 :	80 m
On 5.0V :	:	:	350 :	350 m
On 3.3V :	:	:	243 :	243 m
On 1.8V :	1643 :	:	61 :	1704 m
On 0.95V :	762 :	:	:	762 m
On 0.9V :	2056 :	:	:	2056 m
				-> 12695 m

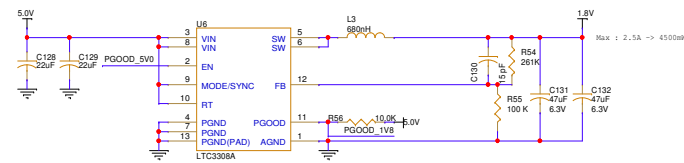
## 12V to 5V Switch Converter



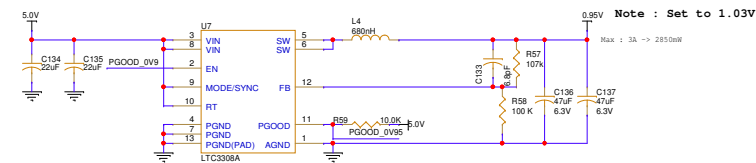
## 5V to 3.3V LDO Converter



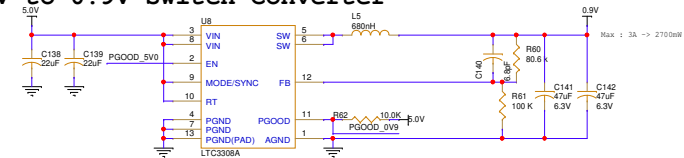
## 5V to 1.8V Switch Converter



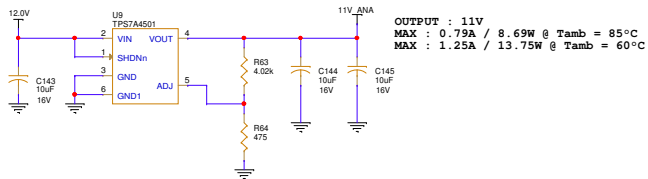
## 5V to 0.95V Switch Converter



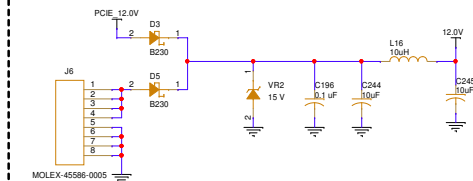
## 5V to 0.9V Switch Converter



## ANALOG POWER SUPPLY



POWER CONNECTOR



**DEFAULT**

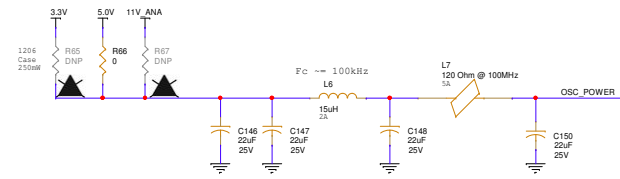
orolia

Title **POWER SUPPLY**

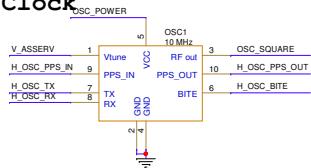
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OSCILLATOR POWER SUPPLY

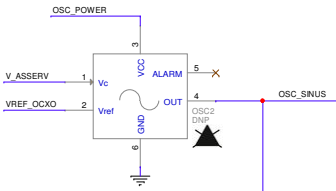


MiniRubidium  
Miniature Atomic Clock

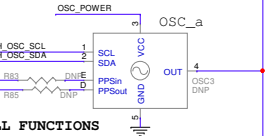


OCXO

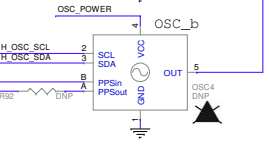
EuroPack OCXO  
36x27mm  
Power : 3W (nom.) to 6W (Startup)



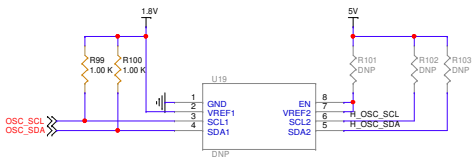
38x27mm NCOCXO  
Power : 1W (nom.) to 2W (Startup)  
7 bit I2C Address = x70, ALL FUNCTIONS



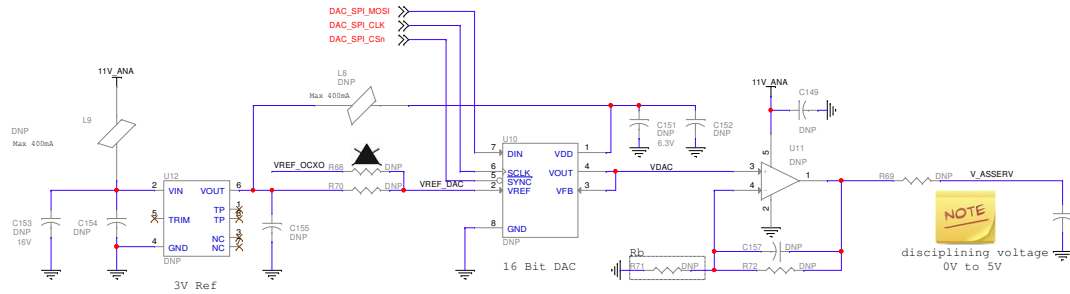
52x42mm NCOCXO  
Power : 3W (nom.) to 7.5W (Startup)



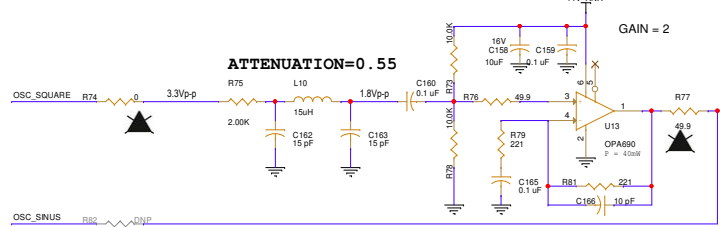
I2C VOLTAGE-LEVEL TRANSLATOR



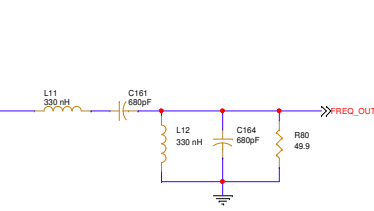
OSCILLATOR CONTROL VOLTAGE



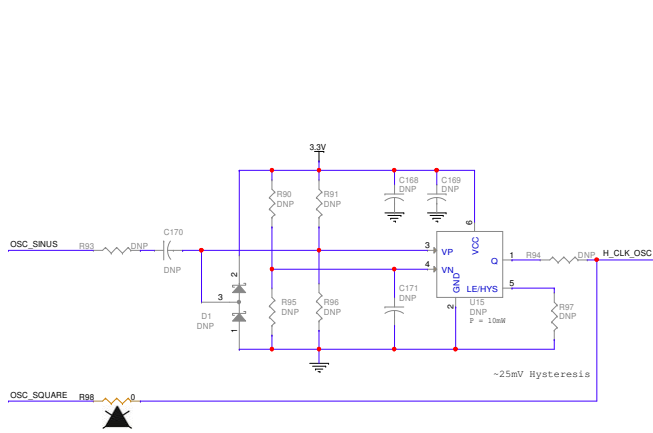
SQUARE TO Sine CONVERTER



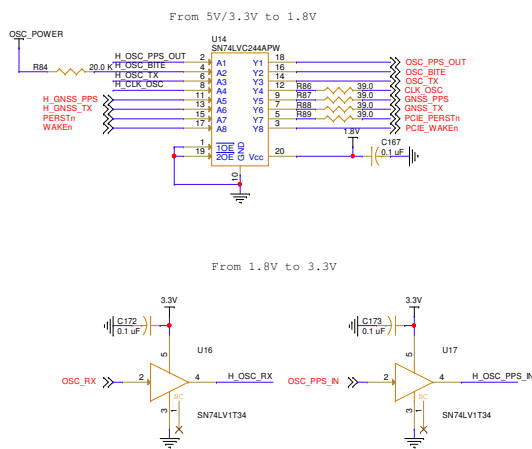
HARMONIC FILTER



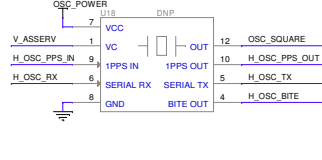
SINUS TO SQUARE CONVERTER



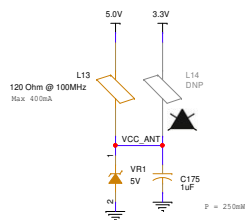
LOGIC VOLTAGE-LEVEL TRANSLATOR



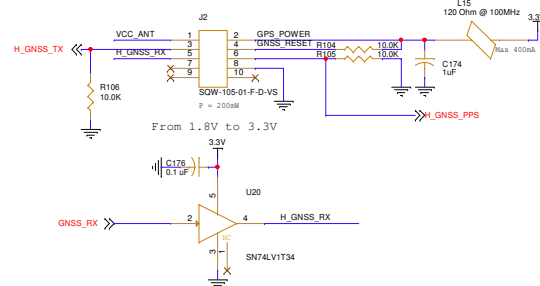
Chip Scale Atomic Clock



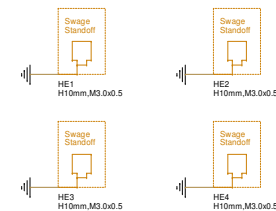
## GNSS RECEIVER



## GNSS RECEIVER

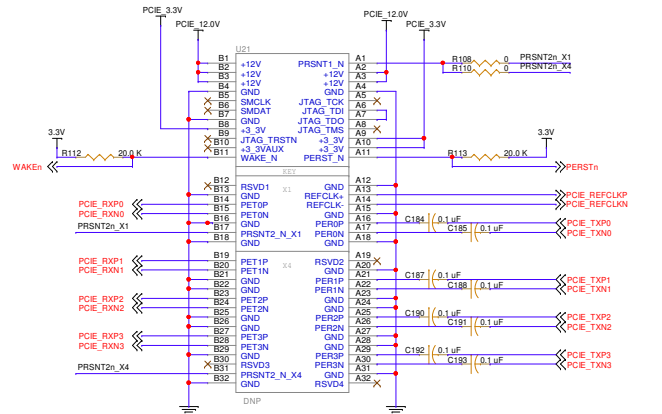


## BRACKET HOLES

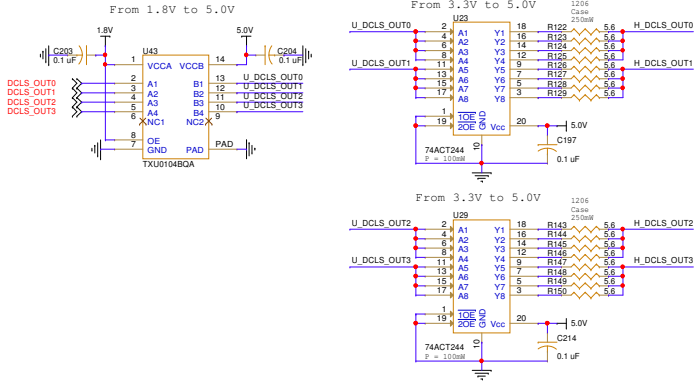




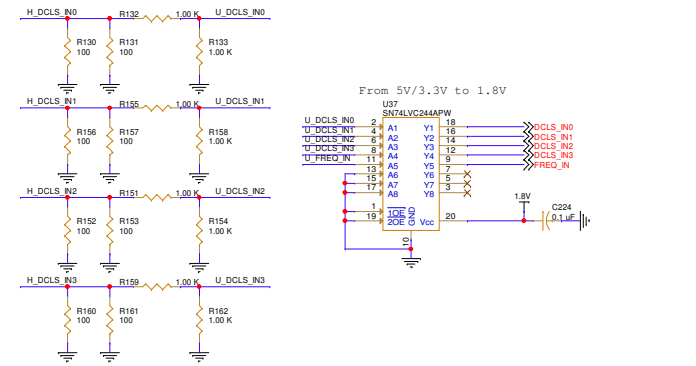
## PCIe CONNECTOR



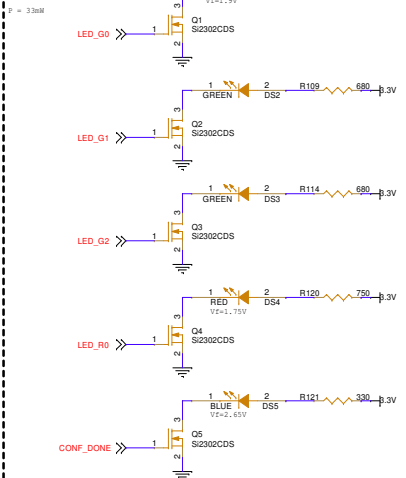
## DCLS OUTPUT DRIVER



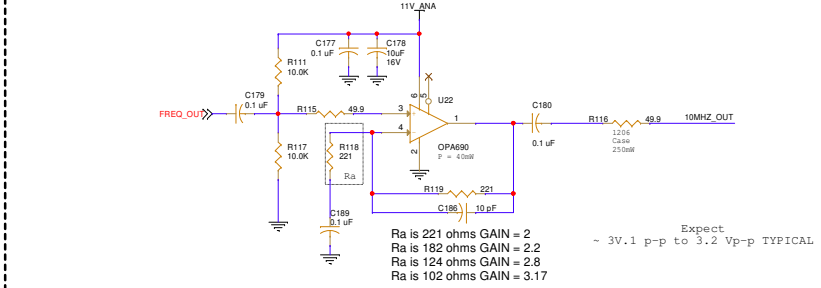
## DCLS INPUT DRIVER



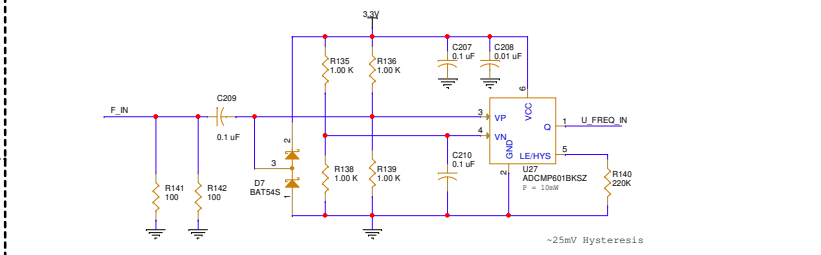
## LED



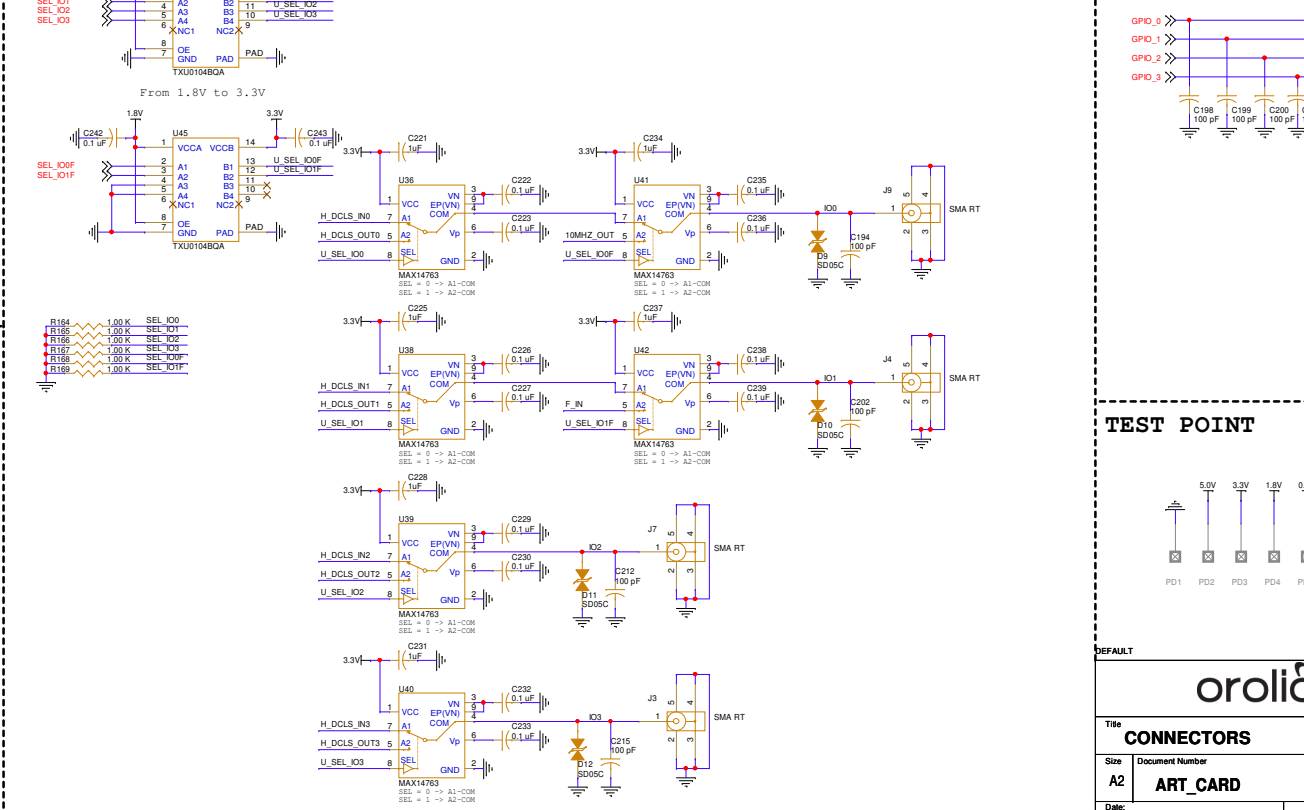
## FREQ OUTPUT DRIVER



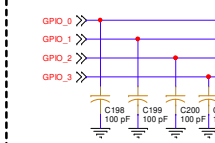
## FREQUENCY INPUT



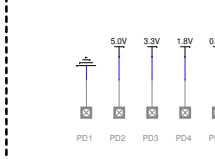
## IO CONNECTORS / SWITCH



## GPIO



## TEST POINT



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CONNECTORS		
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