

Date	Description
2018/01/23	Initial
2018/02/07	1. move out flash, 32K XTAL, C24
2018/06/15	1. Change to A1 version
2018/09/10	1. C26,C27 C28 DNI 2. Add C68, C69 L3 CN1 3. remove R3 R6 4. C14 change to 4.7uF 5. Add pi circuit on pin19,pin20
2018/10/29	1. Add Flash, 32K XTAL, RST, EN circuit
2018/11/08	1. remove C18,R82,R87,R88 (Flash part) 2. remove C20,C16, change C21 to 4,7uF 3. remove C18, change C72 to 10uF 4. remove D1,D2,C28,C26,C27 5. Change 32.768 XTAL 6. Change C70,C71 to 5.1pF
2018/12/03	1. remove C67 (Buck FB)
2018/12/22	1. remove TP2 and change TP3 circuit
2019/05/16	1. C65 DNI 2. Change R126 100K ohm

# OPL1000 A1 Module

The block diagram shows the internal components of the OPL1000A0 module. It includes a FLASH memory chip, two crystal oscillators labeled "32 MHz XTAL" and "32 KHz XTAL". The central component is the "OPL1000A0" IC. Various pins are shown extending from the IC, including VBAT, VDDIO(OPT), EN, GPOD, and a series of OPIC pins from OPIC00 to OPIC22. There are also input/output pins at the bottom labeled GND, VDDIO, SDO, CS, SI, SDI, GPIN, and GPOUT.

H1 TEST-1-R  
H2 TEST-1-R  
H3 TEST-1-R  
H4 TEST-1-R  
H5 TEST-1-R  
H6 TEST-1-R

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