

General Notes

Changes from Rev 1.1

Page 5: added Schmitt-triggers to 2 control lines

Resistors

Unless otherwise specified, resistors are thin film (metal film), 1/10W or 1/16W, 5% (or better), size 0805

Unless otherwise specified, actual value used may be a standard 5% or 1% value within 10% of value shown

Capacitors

Unless otherwise specified, capacitors are X7R ceramic 10V (or higher), 20% (or better), size 0805

22uF capacitors may be X5R ceramic or low-ESR tantalum 10V (or higher), 20%, size B/3528/3216/1210/1206

68uF capacitors are tantalum 25V (or higher), 20%, size C/D/6032/7343

Ferrite Beads and Inductor

Ferrite beads are Murata BLM31PG121SN1L 120 Ohm 3000 mA size 1206 or equivalent

Inductor L1 is 10%, shielded, size 1210 (Panasonic ELJ-SA101KF or equivalent)

Diodes

All diodes except avalanche diodes are case size SOD-323

Avalanche diodes are silicon TVS 400W DO-214AC (Littelfuse SMAJ series or equivalent)

Schottky diodes are 20V 200mW (Diodes Inc SD103CWS-7-F or equivalent)

Circuit Board

The circuit board for this design is labeled "LNA Mother Board v1.2" with date 5/4/10

The following components are mounted on the back side of the board:

D101,D102 ; FB101-FB112 ; J1,J6-J9 ; PTC101-PTC103 ; R101-R112 ; U101-U103

CSO Electronics Caltech

LNA Mother Board

F. Rice

Rev 1.2

5/4/2010

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