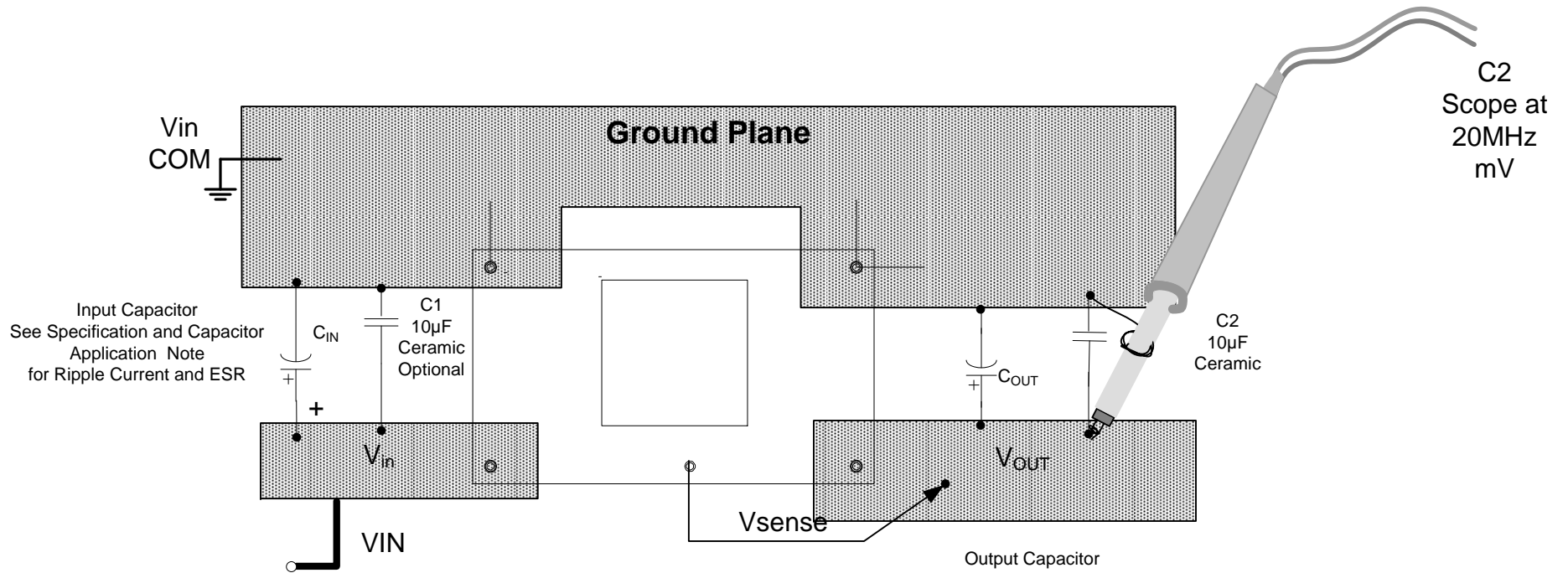


PTHXXXXXX
Output Ripple Measurement
Methods and suggested component
placement

Notes:

Use a 10 μ F ceramic capacitor . The scope measurement closely coupled Kelvin connection. The load should be within 2-4" (50mm to 100mm) from module. The capacitor should be located within 1.5" or less of the module to insure an accurate measurement. Scope ground connection must be short<0.5cm which reduces sensitivity to stray E fields.



Input Capacitor
See Specification and Capacitor
Application Note
for Ripple Current and ESR

C1
10 μ F
Ceramic
Optional

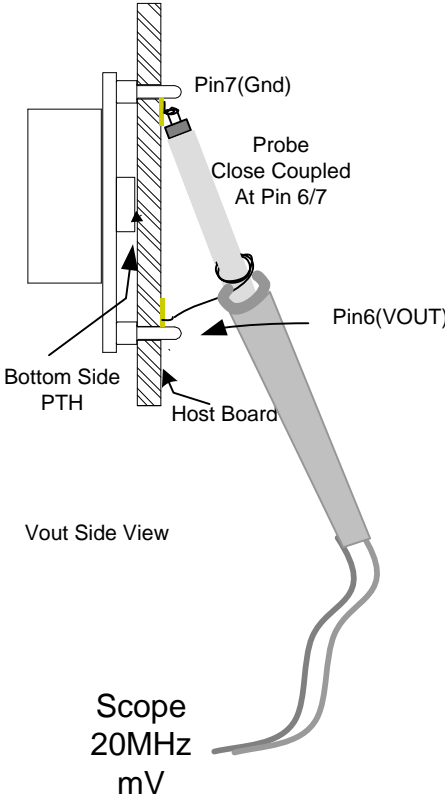
C2
10 μ F
Ceramic

Top View



PTH120X0, PTH050X0, PTH030X0
X=1,2,3,6
Output Ripple Evaluation Setup
Measurement Methods and
suggested Scope Probe Location

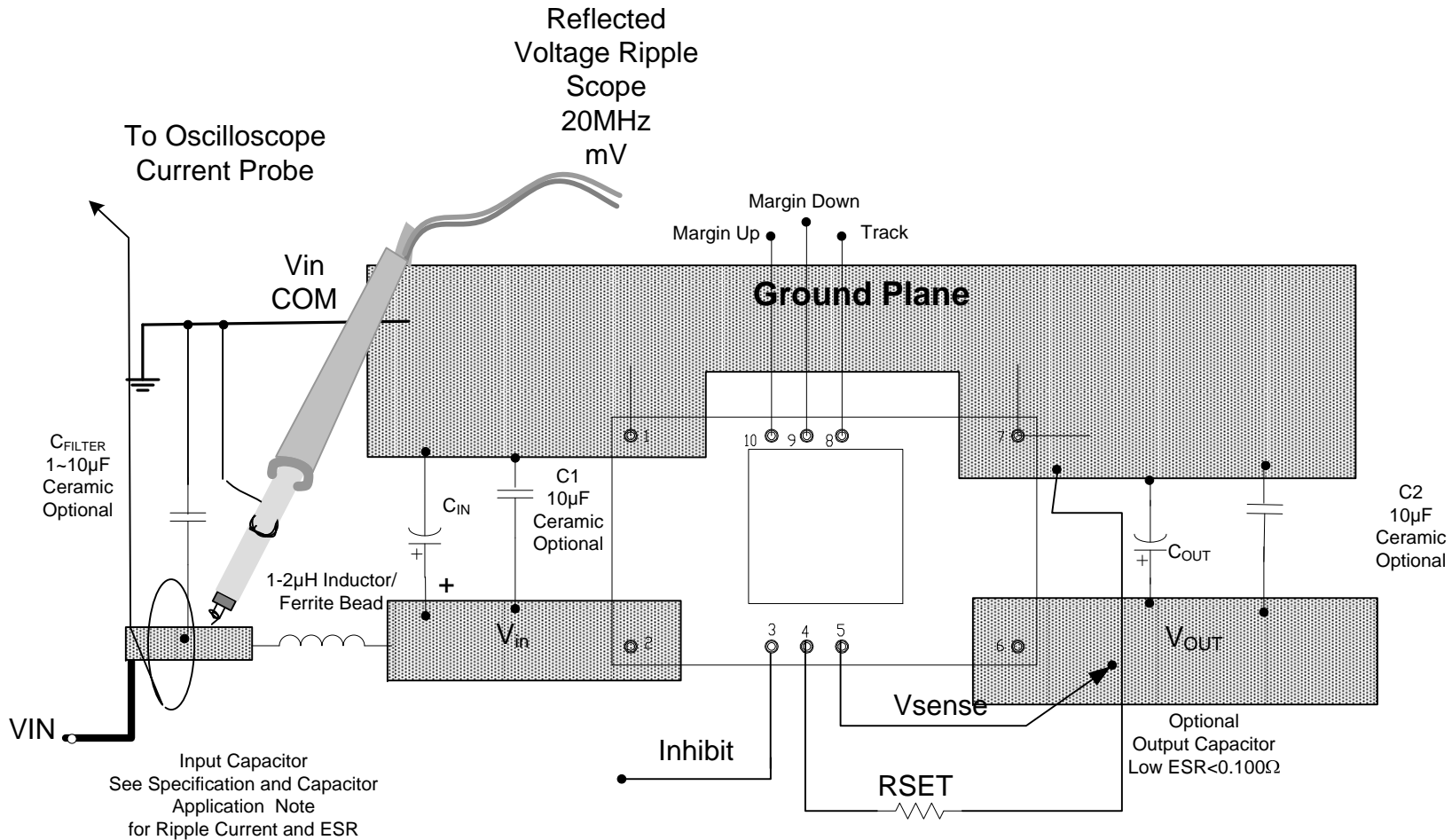
Kelvin Pin
Ripple Technique
At Module Pins



Notes:
Use a 10 μ F ceramic capacitor . The scope measurement closely coupled Kelvin connection. The load should be within 2-4" (50mm to 100mm) from module. The capacitor should be located with 1.5: or less of the module to insure an accurate measurement.

PTH Side View with
measurement of Ripple at
Module pins

PTH120X0, PTH050X0, PTH030X0
 X=1,2,3,6
 Optional Reflected Current and Voltage Ripple
 Test Measurement Methods



Top View

Optional Test Configuration
 Measure input ripple and reflected current ripple with current probe. Inductor will attenuate input ripple as a function of the input impedance and C_{FILTER} . Ceramic capacitor has a ESR of $< 0.003\Omega$