



Note:
For solutions with output current less than 5A,
use D103 surface mount D2PAK.
Otherwise, for solutions from 5–10A use D101
TO220 through-hole device with appropriate heatsink.

$$\text{Gain} = R8 / 5K = 60.4K / 5K = 12.08$$

$$\text{For } I_{OUT} = 10A; ISNS = 10A * 0.025ohm * 12.1 = 3.02V$$
$$\text{For } I_{OUT} = 0.2A; ISNS = 0.2A * 0.025ohm * 12.1 = 60.4mV$$

Title TPS40057 Battery Charger		
Size C	Number PMP5306	Rev D5
Date 1–20–2011		Drawn by R Taylor
Filename PMP5306_REV05.SCH		Sheet 2 of 2