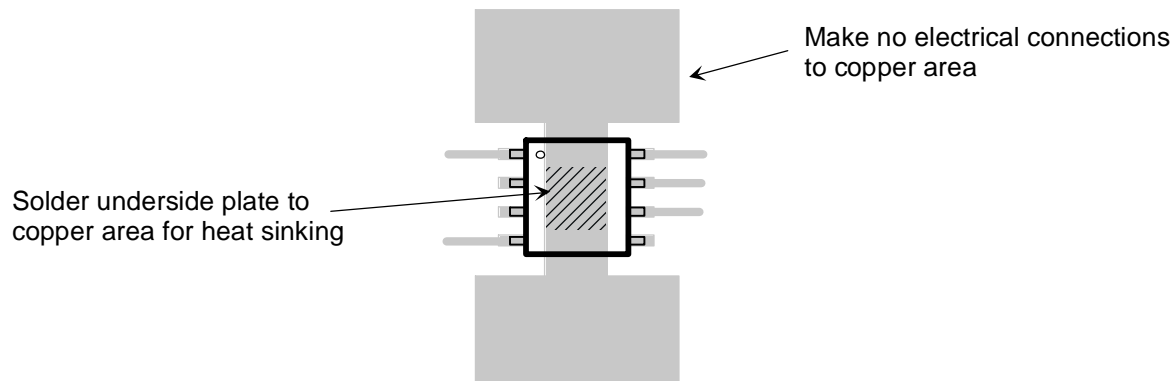


## Technical Bulletin: SR03x Plate Connections

This bulletin applies to the SR036 and SR037 in the SG (Power SO-8) package.

Increased efficiency and lower no-load power consumption of SR03x based regulator circuits can be achieved by assuring no electrical connections are made to the underside plate on the SR03x package. A copper area should still be employed to provide needed heat sinking, however, this copper area should be electrically floating. For maximum heat sinking capability, do not cover the copper area with solder mask.

Existing PCB layouts with the plate grounded should be corrected.



Early SR03x demo boards erroneously had the underside plate connected to ground. These boards will exhibit decreased efficiency and higher no load power. New, corrected demo boards may be ordered from Supertex's web site.