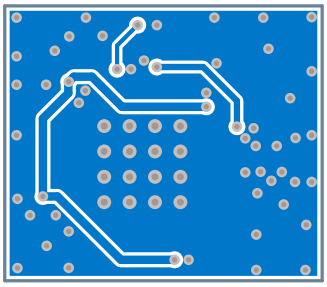

Figure 186: Bottom layer

10.3.4 PMIC support

The nRF54L Series is comprehensively supported by Nordic Semiconductor's own range of Power Management Integrated Circuits (PMIC), which are meticulously designed to enhance the performance and efficiency of the nRF54L Series devices. This integration ensures the longest battery life and the highest reliability for the end application.

10.4 Package thermal characteristics

A summary of the thermal characteristics for the different packages available for the device can be found below.

Symbol	Package	Typ.	Unit
$\theta_{JA,QFN48}$	QFN48	24.86	°C/W
$\theta_{JC,QFN48}$	QFN48	12.71	°C/W
$\theta_{JA,CSP47}$	CSP47	83.84	°C/W
$\theta_{JC,CSP47}$	CSP47	7.82	°C/W

Table 90: Package thermal characteristics

Values for θ_{JA} are obtained by simulation following the EIA/JESD51-2 for still air condition using JEDEC PCB.

Values for θ_{JC} are obtained by simulation. A cold plate and the grease between package and cold plate are modeled.

10.5 Radio equivalence

The physical radio is the same for nRF54L15, nRF54L10, and nRF54L05.

When used in identical hardware design and running identical software, the performance of nRF54L15, nRF54L10, and nRF54L05 is expected to be the same.

nRF54L10 and nRF54L05 have reduced memory capacity compared to nRF54L15. Certain radio applications that require large memory use are not fully supported on these variants in the same manner as on nRF54L15.