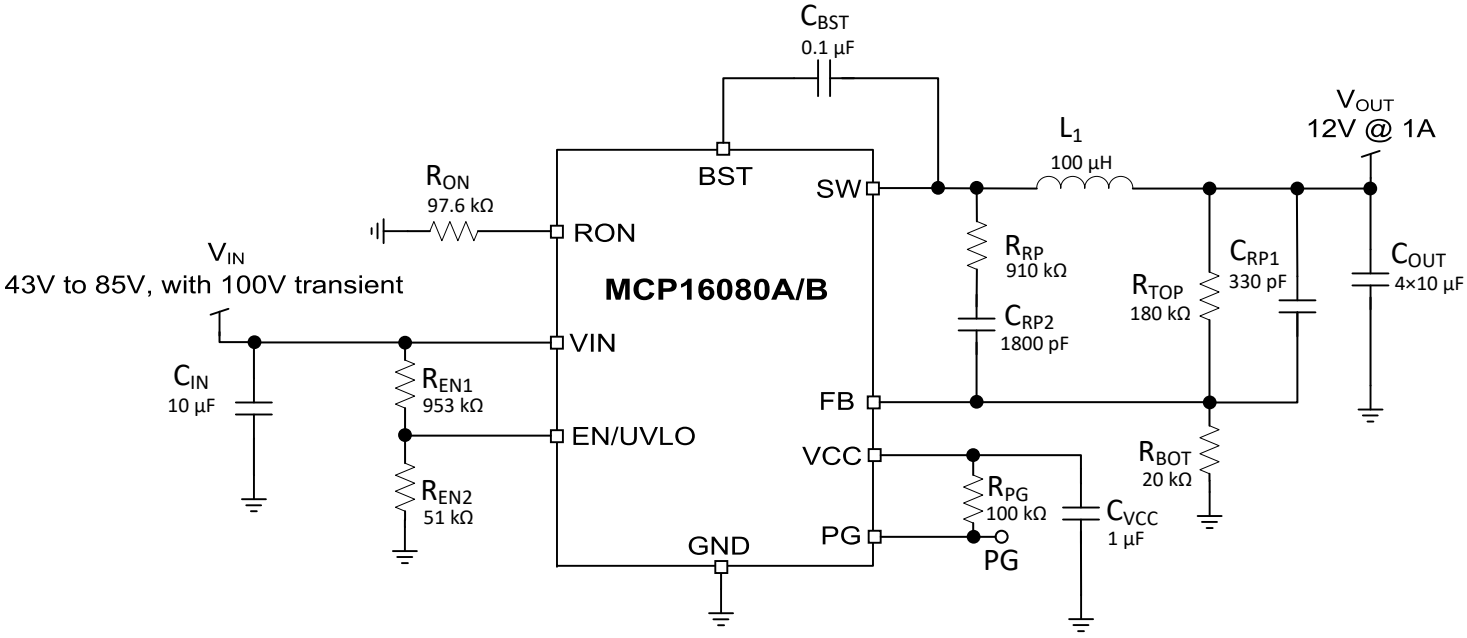

C_{BST}
0.1 µF
V_{OUT}
12V @ 1A
L_1
100 µH
BST
SW
R_{ON}
97.6 kΩ
RON
V_{IN}
43V to 85V, with 100V transient
MCP16080A/B
R_{RP}
910 kΩ
C_{RP2}
1800 pF
R_{TOP}
180 kΩ
C_{RP1}
330 pF
C_{OUT}
4×10 µF
VIN
C_{IN}
10 µF
R_{EN1}
953 kΩ
FB
EN/UVLO
VCC
R_{BOT}
20 kΩ
R_{EN2}
51 kΩ
R_{PG}
100 kΩ
C_{VCC}
1 µF
PG
GND
PG