Schematic for the NCP1090GEVB Evaluation Board

CON1
DC10A

CON2
WE - 615008140121
TX+
TX-
RX+
NC
NC
RX-
NC
NC
Shield

CON3
WE - 615008140121
TX+
TX-
RX+
NC
NC
RX-
NC
NC
Shield

T1
WE 749012011

T2
WE 749012011

R1
0R
0805

Rbs1 75R 0805
Rbs2 75R 0805
Rbs3 75R 0805
Rbs4 75R 0805

Rbs5 75R 0805
Rbs4 75R 0805
Rbs3 75R 0805
Rbs2 75R 0805

Cbs1 1000p 0805, 1kV

Cbs5 10n 0805, 100V
Cbs4 10n 0805, 100V
Cbs3 10n 0805, 100V
Cbs2 10n 0805, 100V

Cbs6 1000p 1206, 2 kV

D1 MBRA160T3G SMB
D2 MBRA160T3G SMB
D3 MBRA160T3G SMB
D4 MBRA160T3G SMB
VPORTP

D5 MBRA160T3G SMB
D6 MBRA160T3G SMB
D7 MBRA160T3G SMB
D8 MBRA160T3G SMB
VPORTP

Cline1 DNP 1206
Zline1 1SMA58AT3G SMA
Rinrush1 95.3K 0805
Rclass1 357R 1206

Rdet1 24.9K 0805

U1 NCP1090
INRUSH   VPORTP   8
Class   NC   7
DET   PGOOD   6
VPORTN   RTN   5

Cgnd1 DNP 1206

Rled1 10K 0805
Rled2 10K 0805

LED1 RED 0805
LED2 GREEN 0805

Cpd1 100u 63V, 10mm
Rload1 3K 2512, 1W

Daux1 MBRD5H100T4G DPAK VPORTP
Daux2 BZX84C10LT1G SOT23
Raux2 1M 0805
Raux3 100K 0805
Q1 NTR0202PL SOT23

J1 JUMPER1

Ruvlo1 DNP 0805
Raux1 1K 0805
Ruvlo2 DNP 0805

PGOOD

J1
CON4

VPORTP

Shield