





Loads Q1 NVMFS5C680NL Q9 NVMFS5C680NL R44 100 H76 100 C680NL Source (1,2,3) Gate (4) Drain (5,6,7,8) MMBZ47VALT1G H74 100 Q/ NVMFS5C680NL Source (1,2,3) Gate (4) Drain (5,6,7,8) Q10 NVMFS5C680NL H77 GAT4_J((__GAT4_J R55 MMBZ47VALT1G MMBZ47VALT1G Q11 NVMFS5C680NL Q8 NVMFS5C680NL Source (1,2,3) Gate (4) Drain (5,6,7,8) Source (1,2,3) Gate (4) Drain (5,6,7,8) GAT2 J

Three options for clamping diodes:

- 1) (Populated on Demo) Common anode package, Gate to Drain clamp, SOT-23 footprint 2) (Unpopulated) Gate to drain clamp, two SMB footprints 3) (Unpopulated) Current dissapation loop, VLOAD to Drain, SMB footprint (For best results, only populate one of these options at a time)





Power J16 VLOAD JUMPER VIN_DUT << VLOAD (VLOAD 10J45 02 VIN VIN_RAW CON3 Bypasses D33 D33 Remove for external 5V supply <u>U5</u> NCV4274C JUMPER JP3 Switch jumper to set 3V3 VDD to 5V or 3.3V Remove for external VDD supply 2₀ J49₀1 GND C8 0.1nF C9 22uF D35 LED Banana Plugs R64 620 J53 VLOAD GND Screw Terminals Remove for external 3.3V supply VDD VCC U6 NCV4274C JUMPER VIN 2 J59 1 VOUT GND C14 0.1nF C12 D37 10uF LED R72 620 NCV7520 Demo - Power Size Document Number Rev R0 Α <Doc> Monday, May 13, 2019 of



