



NATIONAL SEMICONDUCTOR
 3050 W AGUA FRIA FREEWAY
 SUITE 150
 PHOENIX ARIZONA 85027

9-Nov-2004

Designator	Part Type	Manufacturer Part No	Description
C1	0.1uF	VISHAY VJ0805Y104KXXA	Capacitor Ceramic X7R
C2	2.2uF	TDK C2012X5R0J475	Capacitor Ceramic X5R
C3	0.47uF	TDK C2012X7R1E474	Capacitor Ceramic X7R
C4	10nF	VISHAY VJ0805Y103KXXA	Capacitor Ceramic X7R
C5	16CV150EX	SANYO 16CV150EX	Sanyo surface mount super low ERS
C6	2.7nF	VISHAY VJ0805Y272KXXA	Capacitor Ceramic X7R
C7	6MB390EXR	SANYO 6MB390EXR	SANYO Through Hole Cap
C8	1uF	TDK C2012X5R1C105	Capacitor Ceramic X5R
C9	100pF	VISHAY VJ0805A101KXXA	Capacitor Ceramic X7R
C10	6.8nF	VISHAY VJ0805Y682KXXA	Capacitor Ceramic X7R
C11	10uF	TDK C2012X5R0J106	Capacitor Ceramic X5R
C12	16CV150EX	SANYO 16CV150EX	Sanyo surface mount super low ERS
C13	16CV150EX	SANYO 16CV150EX	Sanyo surface mount super low ERS
C14	6MB390EXR	SANYO 6MB390EXR	SANYO Through Hole Cap
D1	BAT54H	ON SEMI BAT54H	Schottky Diode
D2	MBRS240	ON SEMI MBRS240	Schottky Diode
L1	PG0077.282	PULSE PG0077.282	SMT Power Inductor
P1	5V Bias		TEST POINT
P2	3.3V@10A		TEST POINT
P3	Gnd		TEST POINT
P4	Gnd		TEST POINT
P5	12Vin		TEST POINT
Q1	SI4866DY	VISHAY SI4866DY	Logic Level, Single N-Channel MOSFET Power Trench
Q2	IRLR3715Z	IR IRLR3715Z	MOSFET
R1	10R	VISHAY CRCW080510R0F	1% Thick Film
R2	2.11k	VISHAY CRCW08052111F	1% Thick Film
R3	130k	VISHAY CRCW08051303F	1% Thick Film
R4	4.32k	VISHAY CRCW08054321F	1% Thick Film
R5	1R	VISHAY CRCW08051R00F	1% Thick Film
R6	442R	VISHAY CRCW08054420F	1% Thick Film
R7	2k	VISHAY CRCW08052001F	1% Thick Film
R8	20R	VISHAY CRCW080520R0F	1% Thick Film
U1	LM2743	NAT SEMI LM2743	PWM Synchronous Buck Controller