

PMP7760

PMP7760 BOM



Literature Number:SNVU020

Engineering Bill of Materials

Project Name:	High Voltage Isolated Power Supply
Project File:	NSC1024.PrjPCB
Base ID:	xxxxxx
PCB Revision:	
Assembly Variant:	
Schematic Rev:	1
Build Quantity:	
Generated:	



Date opened: 8/28/2009
Time opened: 11:56:45 AM

Item	Designator	CompType	Value	PackageReference	Description	Manufacturer	PartNumber
1	C100	Capacitor	0.047uF	1812	Ceramic, X7R, 1KV, 10%	MuRata	GRM43DR73A473KW01L
2	C101	Capacitor	0.047uF	1812	Ceramic, X7R, 1KV, 10%	MuRata	GRM43DR73A473KW01L
3	C102	Capacitor	0.047uF	1812	Ceramic, X7R, 1KV, 10%	MuRata	GRM43DR73A473KW01L
4	C103	Capacitor	0.047uF	1812	Ceramic, X7R, 1KV, 10%	MuRata	GRM43DR73A473KW01L
5	C104	Capacitor	0.22uF	0805	Ceramic, X7R, 16V, 10%	TDK	C2012X7R1C224K
6	C105	Capacitor	680pF	0805	Ceramic, C0G/NP0, 50V, 5%	MuRata	GRM2165C1H681JA01D
7	C106	Capacitor	330pF	0805	Ceramic, C0G/NP0, 50V, 5%	MuRata	GRM2165C1H331JA01D
8	C107	Capacitor	0.47uF	0805	Ceramic, X7R, 16V, 10%	TDK	C2012X7R1C474K
9	C108	Capacitor	4.7uF	1210	Ceramic, X7R, 50V, 10%	MuRata	GRM32ER71H475KA88L
10	C109	Capacitor	1uF	0805	Ceramic, X7R, 25V, 10%	TDK	C2012X7R1E105K
11	C110	Capacitor	3.3uF	1210	Ceramic, X7R, 50V, 10%	MuRata	GRM32DR71H335KA88L
12	C111	Capacitor	330uF		AL, 35V, 20%	Sanyo	35CV330AX
13	C112	Capacitor	330uF		AL, 35V, 20%	Sanyo	35CV330AX
14	C121	Capacitor	0.33uF	0805	Ceramic, X7R, 25V, 10%	MuRata	GRM21BR71E334KA01L
15	D100	Zener	18V	SMA		Central Semiconductor	CMZ5931B
16	D101	Diode	200V	SMC	Vr = 200V, Io = 3A, Vf = 1V	ON Semiconductor	MBRS3200T3
17	D102	Zener	24V	SMA		Central Semiconductor	CMZ5934B
18	D105	Diode	200V	SOD-123		Diodes Inc.	BAV21W-7
19	D110	Zener	5.1V	SOD-323		Central Semiconductor	CMDZ5231B
20	Q100	MOSFET	1000V	DPAK		Fairchild	FQD2N100
21	Q101	Bipolar Transistor	75V	SOT-23		Central Semiconductor	CMST2222A
22	Q102	MOSFET	1500V	TO220		ST	STP3N150
23	R100	Resistor	1.0Meg	0805	5%,0.125W	Rohm	KTR10EZPJ105
24	R101	Resistor	1.0Meg	0805	5%,0.125W	Rohm	KTR10EZPJ105
25	R102	Resistor	1.0Meg	0805	5%,0.125W	Rohm	KTR10EZPJ105
26	R103	Resistor	1.0Meg	0805	5%,0.125W	Rohm	KTR10EZPJ105
27	R104	Resistor	1.0Meg	0805	5%,0.125W	Rohm	KTR10EZPJ105
28	R105	Resistor	1.0Meg	0805	5%,0.125W	Rohm	KTR10EZPJ105

Item	Designator	CompType	Value	PackageReference	Description	Manufacturer	PartNumber
29	R106	Resistor	10.0k	0805	1%, 0.125W	Vishay-Dale	CRCW080510k0FKEA
30	R107	Resistor	1.87k	0805	1%, 0.125W	Vishay-Dale	CRCW08051k87FKEA
31	R108	Resistor	499	0805	1%, 0.125W	Vishay-Dale	CRCW0805499RFKEA
32	R109	Resistor	2.74k	0805	1%, 0.125W	Vishay-Dale	CRCW08052k74FKEA
33	R110	Resistor	18.7k	0805	1%, 0.125W	Vishay-Dale	CRCW080518k7FKEA
34	R111	Resistor	1.27k	0805	1%, 0.125W	Vishay-Dale	CRCW08051k27FKEA
35	R112	Resistor	8.25	0805	1%, 0.125W	Vishay-Dale	CRCW08058R25FKEA
36	R113	Resistor	20.5k	0805	1%, 0.125W	Vishay-Dale	CRCW080520k5FKEA
37	R114	Resistor	215k	0805	1%, 0.125W	Vishay-Dale	CRCW0805215kFKEA
38	R115	Resistor	1.00	1206	1%, 0.25W	Vishay-Dale	CRCW12061R00FKEA
39	R116	Resistor	1.00	1206	1%, 0.25W	Vishay-Dale	CRCW12051R00FKEA
40	R117	Resistor	100	1206	1%, 0.25W	Vishay-Dale	CRCW1206100RFKEA
41	R121	Resistor	205k	0805	1%, 0.125W	Vishay-Dale	CRCW0805205kFKEA
42	T100	Transformer		EFD25		Gci Technologies	G094215LF
43	U100	Switcher		MSOP-10		National Semiconductor	LM5022

IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve the right to make corrections, modifications, enhancements, improvements, and other changes to its products and services at any time and to discontinue any product or service without notice. Customers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All products are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment.

TI warrants performance of its hardware products to the specifications applicable at the time of sale in accordance with TI's standard warranty. Testing and other quality control techniques are used to the extent TI deems necessary to support this warranty. Except where mandated by government requirements, testing of all parameters of each product is not necessarily performed.

TI assumes no liability for applications assistance or customer product design. Customers are responsible for their products and applications using TI components. To minimize the risks associated with customer products and applications, customers should provide adequate design and operating safeguards.

TI does not warrant or represent that any license, either express or implied, is granted under any TI patent right, copyright, mask work right, or other TI intellectual property right relating to any combination, machine, or process in which TI products or services are used. Information published by TI regarding third-party products or services does not constitute a license from TI to use such products or services or a warranty or endorsement thereof. Use of such information may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

Reproduction of TI information in TI data books or data sheets is permissible only if reproduction is without alteration and is accompanied by all associated warranties, conditions, limitations, and notices. Reproduction of this information with alteration is an unfair and deceptive business practice. TI is not responsible or liable for such altered documentation. Information of third parties may be subject to additional restrictions.

Resale of TI products or services with statements different from or beyond the parameters stated by TI for that product or service voids all express and any implied warranties for the associated TI product or service and is an unfair and deceptive business practice. TI is not responsible or liable for any such statements.

TI products are not authorized for use in safety-critical applications (such as life support) where a failure of the TI product would reasonably be expected to cause severe personal injury or death, unless officers of the parties have executed an agreement specifically governing such use. Buyers represent that they have all necessary expertise in the safety and regulatory ramifications of their applications, and acknowledge and agree that they are solely responsible for all legal, regulatory and safety-related requirements concerning their products and any use of TI products in such safety-critical applications, notwithstanding any applications-related information or support that may be provided by TI. Further, Buyers must fully indemnify TI and its representatives against any damages arising out of the use of TI products in such safety-critical applications.

TI products are neither designed nor intended for use in military/aerospace applications or environments unless the TI products are specifically designated by TI as military-grade or "enhanced plastic." Only products designated by TI as military-grade meet military specifications. Buyers acknowledge and agree that any such use of TI products which TI has not designated as military-grade is solely at the Buyer's risk, and that they are solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI products are neither designed nor intended for use in automotive applications or environments unless the specific TI products are designated by TI as compliant with ISO/TS 16949 requirements. Buyers acknowledge and agree that, if they use any non-designated products in automotive applications, TI will not be responsible for any failure to meet such requirements.

Following are URLs where you can obtain information on other Texas Instruments products and application solutions:

Products

Audio	www.ti.com/audio
Amplifiers	amplifier.ti.com
Data Converters	dataconverter.ti.com
DLP® Products	www.dlp.com
DSP	dsp.ti.com
Clocks and Timers	www.ti.com/clocks
Interface	interface.ti.com
Logic	logic.ti.com
Power Mgmt	power.ti.com
Microcontrollers	microcontroller.ti.com
RFID	www.ti-rfid.com
OMAP Mobile Processors	www.ti.com/omap
Wireless Connectivity	www.ti.com/wirelessconnectivity

Applications

Automotive and Transportation	www.ti.com/automotive
Communications and Telecom	www.ti.com/communications
Computers and Peripherals	www.ti.com/computers
Consumer Electronics	www.ti.com/consumer-apps
Energy and Lighting	www.ti.com/energy
Industrial	www.ti.com/industrial
Medical	www.ti.com/medical
Security	www.ti.com/security
Space, Avionics and Defense	www.ti.com/space-avionics-defense
Video and Imaging	www.ti.com/video

TI E2E Community Home Page

e2e.ti.com

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2012, Texas Instruments Incorporated