Qty	Reference	Value	Description	Size	Part Number	MFR	Area
1	C15	10nF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std	5650
1	C6	10pF	Capacitor, Ceramic, 50V, NP0, 10%	603	Std	muRata	5650
1	C2	4.7nF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std	5650
1	C8	47pF	Capacitor, Ceramic, 50V, NP0, 10%	603	Std	muRata	5650
1	C4	DNP	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std	5650
2	C5 C17	.1u	Capacitor, Ceramic, 16-V, [temp], [tol]	805	std	muRata	10560
1	C13	470nF	Capacitor, Ceramic, 50V, X5R, +/-10%	805	Std	Std	10560
1	C9	47nF	Capacitor, Ceramic, 250V, X7R, 10%	1206	C3216X7R2E473K	TDK	15390
1	C1	0.22uF	Capacitor, X2 Class, 0.22uF, 300V, 10%	0.709 x 0.236 inch	R46K1322050M2M	Arcotronics (KEMET)	198,640
1	C10	1000pF Y1	Capacitor, Cer. Disc, 250V, Y1	0.394 X 0.315 inch Max.	ECK-ANA102MB	Panasonic	128
1	C3	0.68 uF	Capacitor, Polypropylen, 520Vdc, 10%	0.728 x 0.248 V	0.68uF, 630V, Series R75	Arcotronics (KEMET)	254,100
2	C12 C16	680uF	Capacitor, Aluminum PTH, 80V, 1.75A, 36 milli-Ohm	18 x 25 mm	EKZE800ESS681MM25S	Nippon Chemicon	430,084
1	C11	47uF	Capacitor, Aluminum Electrolytic, 47uF, 25V	0.197 inch	EKY-250Exx470ME11D	Nippon ChemiCon	40,471
1	C7	100uF	Capacitor, Aluminum Electrolytic, 100uF, 25V	0.248 inch	EKY-250Exx101MF11D	Nippon ChemiCon	70,686
1	C14	56uF	Capacitor, Aluminum Electrolytic, 56uF, 35V	0.248 inch	EKY-250Exx101MF11D	Nippon ChemiCon	70,686
2	D8 D12	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor	14105
1	D3	KBU6J	Diode, Bridge Rectifier, 6 A, 600 V	0.935 X 0.280 inch	KBU6J	Vishay	308450
2	D1-2	BYG10J	Diode, Standard Rectifier,1.5A, 600V	SMA	BYG10J	Vishay	29520
2	D5-6	MBR0520L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild	19380
2	D7 D11	MURA120T3	Diode, Rectifier, 1A, 200-V	SMA	MURA120T3	ON	29520
1	D9	MURS360	Diode, 3-A, 600-V	SMC	MURS360T3G	ON Semi	95000
1	D13	HFA08TB60	Diode, UltraFast Rectifier, 8-A, 600-V	TO220AC	HFA08TB60	IR	90300
1	D4	18V	Diode, Zener, 1W, 18V	SMA	SMAZ18-13	Diodes Inc.	37520
1	D100	47V	Diode, Zener, 47-V, 225-mW, 5%	SOT23	MMBZ5261BL	Motorola	13419
1	D10	6.8V	Diode, Zener, 6.8-V, 20-mA, 225-mW, 5%	SOT23	MMBZ5235BLT1	Motorola	13419
1	F1	2A	Fuse, Time-Lag, 2A, 300V	0.335 inch	3831200000	Wickmann	
1	HS2	637-10ABP	Heatsink, TO-220, Vertical-mount, 12.7*C/W	0.5x1.37in.	637-10ABP	Wakefield	
1	HS1	647-10-ABPE	Heatsonk, TO-220, Vertical-mount, 8*C/W	1.67 x 1.00 inch	647-10-ABPE	Wakefield	
1	L1	8mH	Inductor, Common Mode Choke, 2A, 160-milliohm	0.945 x 0.787 inch	ET28H-802	GCI	1,512,900
1	L2	33uH	Inductor, SMT, 1.1A, 310 milliohm	0.250 x 0.250 inch	MSS6132-333ML	Coilcraft	83,700
1	L3	680uH	Inductor, Single, 3A, Toroid	1.200 x 01.000 inch	PM2120-681-K-RC	BOURNS	1,339,000
1	U2	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay	47740
2	R18 R25	10k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R24	1k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R26	2.67k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R13	20k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R23	221	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R30	33.2k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R27	47.5k	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R28	49.9	Resistor, Chip, 1/16W, 1%	603	Std	Std	5650
1	R12	10	Resistor, Chip, 1/10-W, 1%	805	Std	Std	10560
1	R11	4.7	Resistor, Chip, 1/10-W, 1%	805	Std	Std	10560
1	R1	100	Resistor, Chip, 1/2W, 1% anti-surge	1210	ERJ-P14J330U	Panasonic	24200
2	R17 R22	0.39	Resistor, Chip, 0.33-Ohms, 1-W, 1%	2512	Std	Std	35100
4	R14-15 R20-21	10k	Resistor, Metal -Mite, 2.5W, ±5%		std	Std	
1	R4	11K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100

1	R5	15K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R7	300K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R6	330	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R10	4.99k	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R16	68K	Resistor, Chip, 1/16W, 1%	603	Std	Std	9100
1	R100	10k	Resistor, Chip, 1/10W, 1%	805	Std	Std	15,300
1	R101	12k	Resistor, Chip, 1/10W, 1%	805	Std	Std	15,300
1	R29	649k	Resistor, Chip, 1/10W, 1%	805	Std	Std	15,300
2	R2-3	1.5M	Resistor, Metal Film, 1/4 watt, ± 1%	1206	Std	Std	20,000
1	R19	2.2	Resistor, Chip, 1/8W, 5%	1206	Std	Std	20000
2	R8-9	100K	Resistor, Chip, ¼ W, 5%	1210	STD	STD	30800
1	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST	70125
1	U3	TL431ADBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431ADBZ	TI	16384
11	TP1-11	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
1	Q1	MMBT3904LT1	Bipolar, NPN, xx-V, yy-mA, zz-W	SOT23	MMBT3904LT1	On Semi	14105
2	Q2-3	MMBT3906LT1	Bipolar, PNP, xx-V, yy-mA, zz-W	SOT23	MMBT3906LT1	On Semi	14105
1	Q4	STP16N65M5	MOSFET, Nchan, 650V, 12A, 299 millohm	TO-220AB	STP16N65M5	ST	110700
1	U1	UCC28810D	IC, LED LIGHTING POWER CONTROLLER	SO8	UCC28810D	TI	75900
1	T1	210 uH	Transformer, ±10%	41.00 X 47.00 mm	G094205LF	GCI	2150 mm

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		**Applications**	
Audio	www.ti.com/audio	Communications and Telecom	www.ti.com/communications
Amplifiers	amplifier.ti.com	Computers and Peripherals	www.ti.com/computers
Data Converters	dataconverter.ti.com	Consumer Electronics	www.ti.com/consumer-apps
DLP® Products	www.dlp.com	Energy and Lighting	www.ti.com/energy
DSP	dsp.ti.com	Industrial	www.ti.com/industrial
Clocks and Timers	www.ti.com/clocks	Medical	www.ti.com/medical
Interface	interface.ti.com	Security	www.ti.com/security
Logic	logic.ti.com	Space, Avionics and Defense	www.ti.com/space-avionics-defense
Power Mgmt	power.ti.com	Transportation and Automotive	www.ti.com/automotive
Microcontrollers	microcontroller.ti.com	Video and Imaging	www.ti.com/video
RFID	www.ti-rfid.com		
OMAP Mobile Processors	www.ti.com/omap		
Wireless Connectivity	www.ti.com/wirelessconnectivity		
	TI E2E Community Home Page		e2e.ti.com

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265