

Count	RefDes	Value	Part Number	Mfr	SLVP176 BOM Description	Size
1	C5	.027uF	C0603C273J3RACTU	KEMET	Capacitor, Ceramic, .027uF, 25V, [temp], [tol]	603
1	C6	220pF	GRM39COG220J050AD	muRata	Capacitor, Ceramic, 220pF, 50V, [temp], [tol]	603
1	C2	330pF	GRM39COG330J050AD	muRata	Capacitor, Ceramic, 330pF, 50V, [temp], [tol]	603
1	C1	1000pF	GRM39X7R102K050AD	muRata	Capacitor, Ceramic, 1000pF, 50V, [temp], [tol]	603
1	C9	.47uF	0805YC474KATIA	AVX	Capacitor, Ceramic, .47uF, 16V, [temp], [tol]	805
1	C3	1uF	GRM40X7R105K16PT	muRata	Capacitor, Ceramic, 1uF, 16V, [temp], [tol]	805
3	C12	2.2uF	CEGMK325BJ225KN-T	Taiyo Yuden	Capacitor, Ceramic, 2.2uF, 35V, [temp], [tol]	1210
	C14	2.2uF	CEGMK325BJ225KN-T	Taiyo Yuden	Capacitor, Ceramic, 2.2uF, 35V, [temp], [tol]	1210
	C15	2.2uF	CEGMK325BJ225KN-T	Taiyo Yuden	Capacitor, Ceramic, 2.2uF, 35V, [temp], [tol]	1210
1	C7	47uF	25SV47M	Sanyo	Capacitor, OS-CON, 47-uF, 25-V, zz-milliohm, 20%	0.394"
1	C8	22uF	ECE-V2AA220P	Panasonic	Capacitor, Ceramic, 22uF, 100V, Alum	FC-G
1	D1	MURS120T3	MURS120T3	On Semiconductor	Diode, UltraFast Rectifier, 1-A, 200-V	SMB
1	D2	MURS160T3	MURS160T3	On Semiconductor	Diode, UltraFast Rectifier, 1-A, 600-V	SMB
2	D3	39V	MMSZ5259BT1	On Semiconductor	Diode, Schottky, 500mW, 39V	SOD123
	D4	39V	MMSZ5259BT1	On Semiconductor	Diode, Schottky, 500mW, 39V	SOD123
1	R7	3.83K	Std	Std	Resistor, Chip, 3.83K Ohms, 1/16-W, yy%	603
3	R1	10K	Std	Std	Resistor, Chip, 10K Ohms, 1/16-W, yy%	603
	R10	10K	Std	Std	Resistor, Chip, 10K Ohms, 1/16-W, yy%	603
	R11	10K	Std	Std	Resistor, Chip, 10K Ohms, 1/16-W, yy%	603
1	R4	15K	Std	Std	Resistor, Chip, 15K Ohms, 1/16-W, yy%	603
1	R3	20K	Std	Std	Resistor, Chip, 20K Ohms, 1/16-W, yy%	603
1	R14	49.9	Std	Std	Resistor, Chip, 49.9 Ohms, 1/16-W, yy%	603
3	R5	49.9K	Std	Std	Resistor, Chip, 49.9K Ohms, 1/16-W, yy%	603
	R6	49.9K	Std	Std	Resistor, Chip, 49.9K Ohms, 1/16-W, yy%	603
	R8	49.9K	Std	Std	Resistor, Chip, 49.9K Ohms, 1/16-W, yy%	603
1	R2	100	Std	Std	Resistor, Chip, 100 Ohms, 1/16-W, yy%	603
2	R12	150K	Std	Std	Resistor, Chip, 150K Ohms, 1/16-W, yy%	603
	R13	100K	Std	Std	Resistor, Chip, 100K Ohms, 1/16-W, yy%	603
1	R9	0.05	WSL-2512R050FB43	VISHAY	Resistor, Chip, .05 Ohms, 1-W, xx%	2512
2	J1	ED1514	ED1514	OST	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"
	J2	ED1514	ED1514	OST	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"
1	J3	ED1515	ED1515	OST	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25"
1	U1	TLC271AID	TLC271AID	TI	IC, LinCMOS Programmable Low-Power Operational	SO8
2	TP7	240-333	240-333	Farnell	Test Point, Black, 1mm	0.038"
	TP8	240-333	240-333	Farnell	Test Point, Black, 1mm	0.038"
2	TP2	131-4244-00	131-4244-00	Tektronix	Adaptor, 3.5-mm probe clip (or 131-5031-00)	0.200"

	TP3	131-4244-00	131-4244-00	Tektronix	Adaptor, 3.5-mm probe clip (or 131-5031-00)	0.200"
4	TP1	240-345	240-345	Farnell	Test Point, Red, 1mm	0.038"
	TP4	240-345	240-345	Farnell	Test Point, Red, 1mm	0.038"
	TP5	240-345	240-345	Farnell	Test Point, Red, 1mm	0.038"
	TP6	240-345	240-345	Farnell	Test Point, Red, 1mm	0.038"
1	Q1	IRLR2905	IRLR2905	IR	MOSFET, N-ch, xx-V, yy-mA, zz-milliOhms	TO-252AA
1	U2	UCC3813-5	UCC3813-5	TI	IC, Low Power BiCMOS Current Mode PWM	SO8
1	T1	G005175	G005175	GCI	Transformer, Custom, SMT	EFD15

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 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.

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.

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

Products		Applications	
Amplifiers	amplifier.ti.com	Audio	www.ti.com/audio
Data Converters	dataconverter.ti.com	Automotive	www.ti.com/automotive
DSP	dsp.ti.com	Broadband	www.ti.com/broadband
Interface	interface.ti.com	Digital Control	www.ti.com/digitalcontrol
Logic	logic.ti.com	Military	www.ti.com/military
Power Mgmt	power.ti.com	Optical Networking	www.ti.com/opticalnetwork
Microcontrollers	microcontroller.ti.com	Security	www.ti.com/security
		Telephony	www.ti.com/telephony
		Video & Imaging	www.ti.com/video
		Wireless	www.ti.com/wireless

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

Copyright © 2003, Texas Instruments Incorporated