

UCC3975 CCFL Reference Design

Ref Des	Qty	Part Number	Description	MFG	Size
C1	1	TMK432BJ106MM	10uF X5R Ceramic , 25V	Taiyo Yuden	1812
C2	1	VJ0805X104KXXAC	0.1uF Ceramic, X5R, 25V	Vishay	805
C3	1	VJ1825X105MXXAB	1uF Ceramic, 25V	Vishay	1825
C4 **	1	ECJ2VB1A470K	470p X7R, 10V	Panasonic	805
C5	1	ECJ-2YB1H104K	0.1uF Ceramic, X7R, 50V	Panasonic	805
C6 **	1	GHM1038SL330J3K	33pF Ceramic 3kV	Murata	1808
D1	1	BAV99LT1	Dual Diode	Motorola	Sot-23
S1	1	Si4562DY	N- and P-Channel Mosfet	Vishay	So-8
R1	1	ERJ-8GEY-J751	20k	Panasonic	805
R2	1	ERJ-6ENF1003	100k	Panasonic	805
R3	1	ERJ-6ENF6812	68.1k	Panasonic	805
R4	1	ERJ-6ENF1101	1100 ohm	Panasonic	805
R5	1	ERJ-6ENF1003	100k	Panasonic	805
T1 **	1	846TN-1009	Transformer, BLC210 type	Toko	8mmx25mm
**U1	1	UCC3975	Controller IC, TSSOP Package	TI	TSSOP-8
--	1	PCB	DM3975	any	

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class
 4. Ref designators marked with an asterik " ** " cannot be subsituted.
All other components can be subsituted with equivalent MFG's components.

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