



**DANGER!: THE READER IS WARNED THAT CAUTION MUST BE USED IN THE CONSTRUCTION, TESTING AND USE OF THIS CIRCUIT. LETHAL HIGH VOLTAGE POTENTIALS ARE PRESENT IN THIS CIRCUIT. EXTREME CAUTION MUST BE USED IN WORKING WITH, AND MAKING CONNECTIONS TO, THIS CIRCUIT. USE CAUTION.**

**IMPORTANT NOTICE**

The information included herein is believed to be accurate and reliable. However, LSI Computer Systems, Inc. assumes no responsibilities for inaccuracies, nor for any infringements of patent rights of others which may result from its use. LSI Computer Systems reserves the right to change circuitry and specifications at any time without notification to the customer. LSI Computer Systems assumes no liability for applications assistance or the design of Buyers' products. Buyers are the only responsible for their products and applications using LSI Computer Systems components. To minimize the risks associated with Buyers' products and applications, Buyers should provide adequate design and operating safeguards.

**BOM**

Item	Ref.	Specifications
1	U1-2	LS9100X AC LED Driver
2	VR1	B72650M0151K093 VARISTOR 240V 400A 3225
3	F1	SET1100 6125 Series Slow-blow SMA Fuse 250V 1A
4	R1	Thick Film Resistors - SMD 100 OHMs 5% 1W
5	R2-3	Thick Film Resistors - SMD 24 OHMs 1% 1/4W
6	R4-5	Thick Film Resistors - SMD 33 OHMs 5% 1/4W
7	R6-7	Thick Film Resistors - SMD 499k OHMs 10% 1/4W
8	R8	Thick Film Resistors - SMD 1.6K OHMs 5% 1W
9	D1-9	LM283B+ Samsung Mid Power LED Series 2835 1.0W 9V Ra80 Hot bin
10	D10	Rectifiers 1.0 Amp 600 Volt 20 Amp IFSM
11	C1-2	80-EDH107M063A9PAA Aluminum Electrolytic - SMD 63V 100uF 20%

**Two Taps LED Banks  
Using the LS9100X**



Sheet: /  
File:

**Title: 10W LS9100X based LED Engine**

Size: A4 Date: 2018-12-17

LSI/CSI a Semiconductor Company

Rev: B

Id: 1/1