



**OPTIONAL DISCRETE VID CIRCUIT**

**DYNAMIC LOAD CIRCUIT**

NOTES: UNLESS OTHERWISE SPECIFIED  
 1. ALL RES. ARE IN OHMS, ALL CAP. ARE IN MICROFARADS, AND ALL INDUCTORS ARE IN MICROHENRIES.  
 2. FOR ALL STAR (\*) VALUES, PLEASE SEE TABLE OF CONTENTS ON PAGE 2.

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REF. DES.	ASSEMBLY TYPES			
	-A	-B	-C	-D
U1	LTC1709EG-7	LTC1709EG-8	LTC1709EG-9	LTC1709EG-85
C3	0.01UF 16V	OPT	OPT	0.01UF 16V
C12	470PF	100PF 50V	100PF 50V	470PF
C25-C27,C12,C114	270UF 2V	180UF 4V	270UF 2V	270UF 2V
C28,C111	OPT	180UF 4V	270UF 2V	OPT
C29	OPT	OPT	470PF 50V	OPT
C109	OPT	OPT	270UF 2V	OPT
C120	OPT	270UF 16V	OPT	OPT
C121	47UF 25V	220UF 16V	220UF 16V	220UF 16V
C122	OPT	270UF 16V	270UF 16V	270UF 16V
Q1,Q5	OPT	FDS6680A	FDS6680A	OPT
Q2,Q6	IRF7811	FDS6680A	FDS6680A	IRF7811W
Q3,Q7	OPT	FDS7760A	FDS7760A	IRF7811W
Q10,Q12	OPT	FDS7760A	FDS7760A	OPT
Q4,Q8	IRF7809AV	FDS7760A	FDS7760A	IRF7811W
R6	12.1K	7.5K	11.8K	6.81K
R4,R8	0.002	0.003	0.003	0.002
R7	6.98K	3.32K	3.32K	6.98K
R12	60.4K	40.2K	100K	26.8K
R34,R35	OPT	0.003	0.003	OPT
R46	1M	OPT	OPT	1M

## LINEAR TECHNOLOGY CORP

LTC CONFIDENTIAL-FOR CUSTOMER ONLY  
 1630 MCCARTHY BLVD MILPITAS, CA 95035  
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Title  
 Size  
 Date:

**HIGH CURRENT MICROPROCESSOR POWER SUPPLY**

Document Number  
**DC292B-1\* LTC1709EG-7/-8/-9/-85**  
 Rev  
**A**  
 Sheet 2 of 2  
 Date: Wednesday, June 19, 2002