

Projet 8 - ALIM2587 / Alimentation FLYBACK à partir du LM2587

Projet : IUT4
Info : [DIV452]
Révision : 1 du 5 décembre 2004

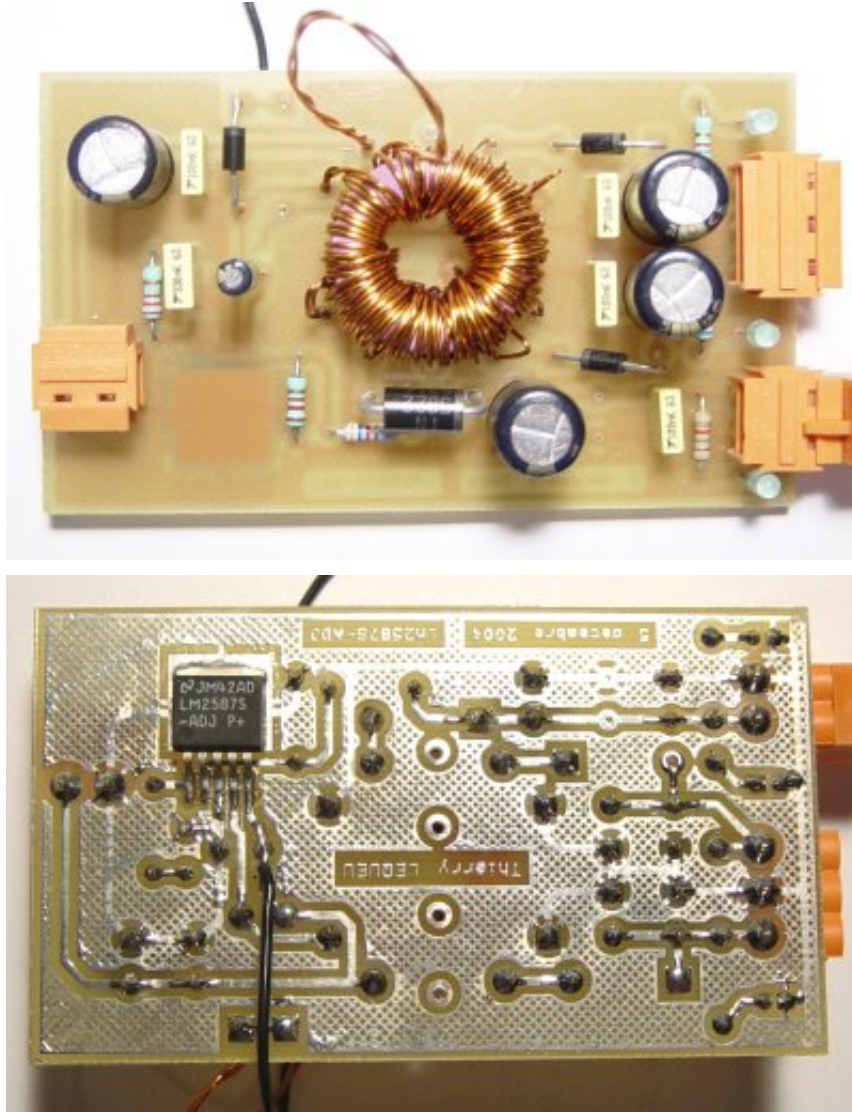


Fig. 8.1. Maquette (images-maquettes\alim2587-12 & -22.jpg).

8.1 Liste des documents

- Prix du montage.
- Schéma électronique.
- Circuit imprimé coté cuivre.
- Circuit imprimé coté composants.
- Implantation des composants.
- Documentations.

8.2 Désignation des composants

Tableau 8.1. Liste de composants (projets-iut4.xls / ALIM2574).

N°	Quantité	Référence	Désignation	Empreinte
1	5	C1,C4,C6,C9,C10	100nF 63V	CK06
2	2	C5,C2	100uF 25V	RADIAL06
3	1	C3	100uF 63V	RADIAL08
4	1	C7	10uF 50V	RADIAL06L
5	2	C8,C11	470uF 10V	RADIAL06
6	3	D1,D3,D4	11DQ06	DO41
7	3	D2,D5,D8	3mm 2mA	LED3
8	1	D6	P6KE20A	DO41
9	1	D7	1N5820	DO41
10	1	JP1	ALIM15V	WEID3
11	1	JP2	ENTREE	WEID2
12	1	JP3	ALIM05V	WEID2
13	1	L1	TN23/14/7	TN231407
14	2	R2,R1	6.8k	RC04
15	1	R3	1.5k	RC04
16	1	R4	2.26k	RC04
17	1	R5	3.74k	RC04
18	1	R6	1.21k	RC04
19	1	U1	LM2587S-ADJ	TO263-5B

8.3 Allure des principaux composants



Fig. 8.2. Bornier CANDEM 3 points (images-composants\bornier1.jpg).

8.4 Circuit de test du LM2587

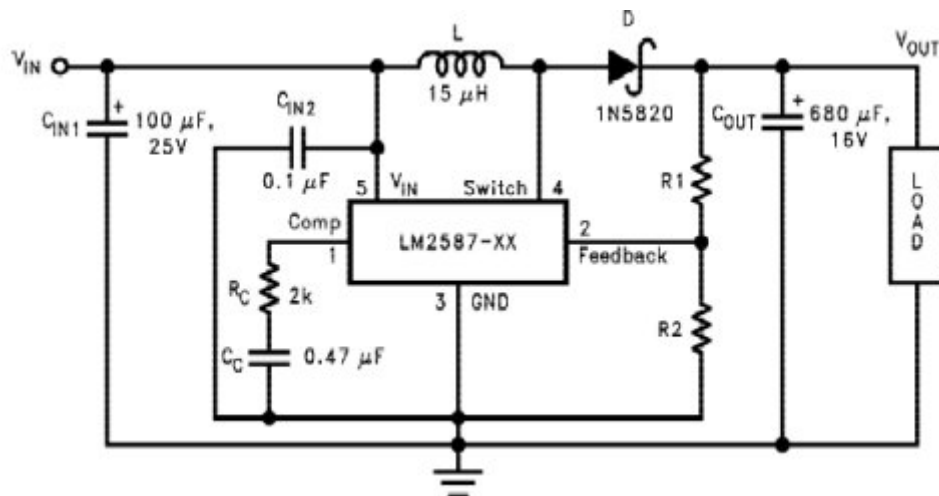
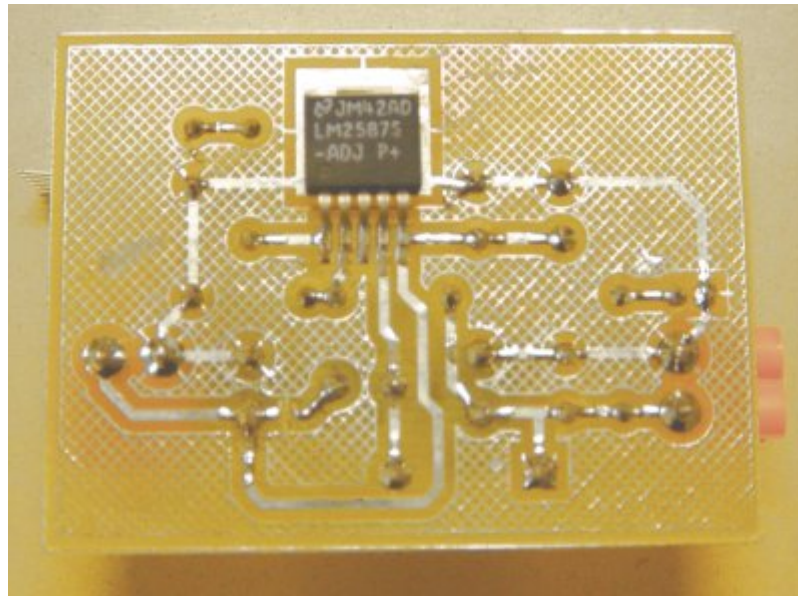
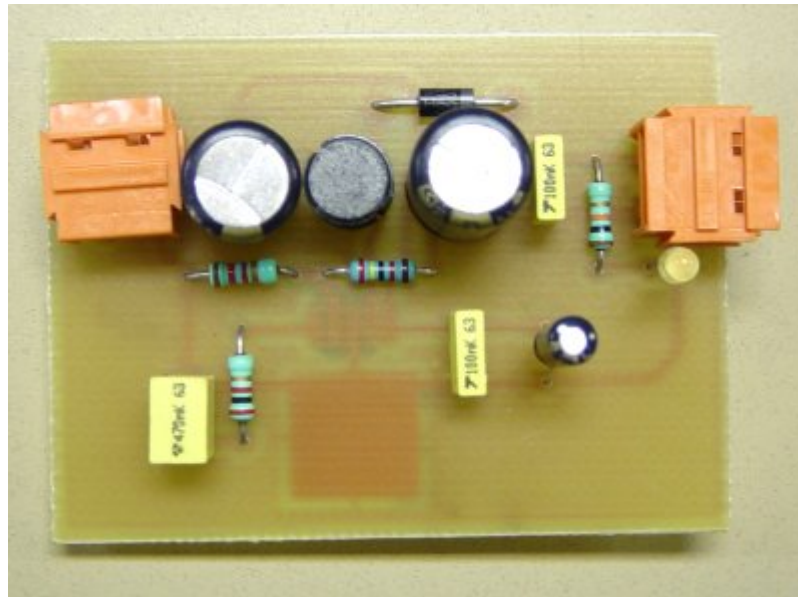


Fig. 8.3. Schéma de test du LM2587 (images-maquettes\lm2587c.jpg).

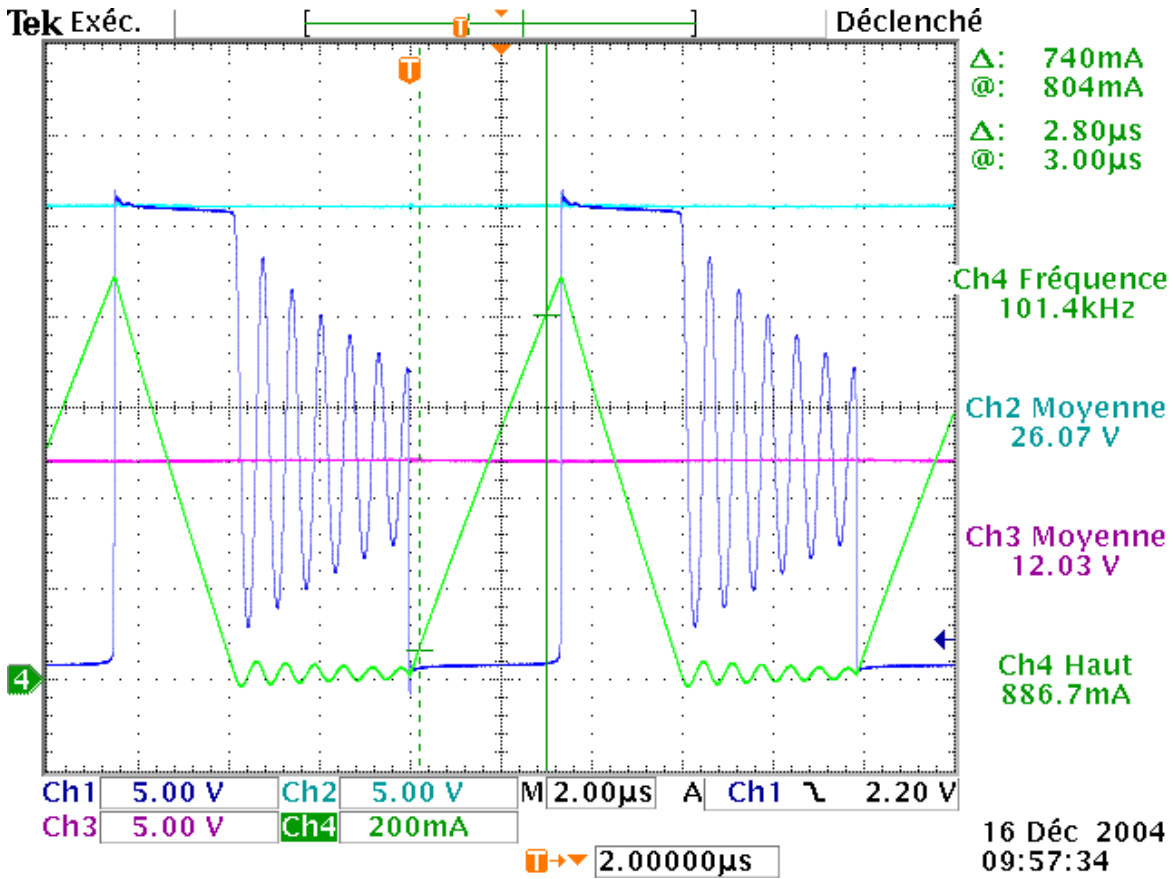


Fig. 8.4. LM2587 en conduction discontinu (ALIM2587\Tektronix\tek00001.pcx).

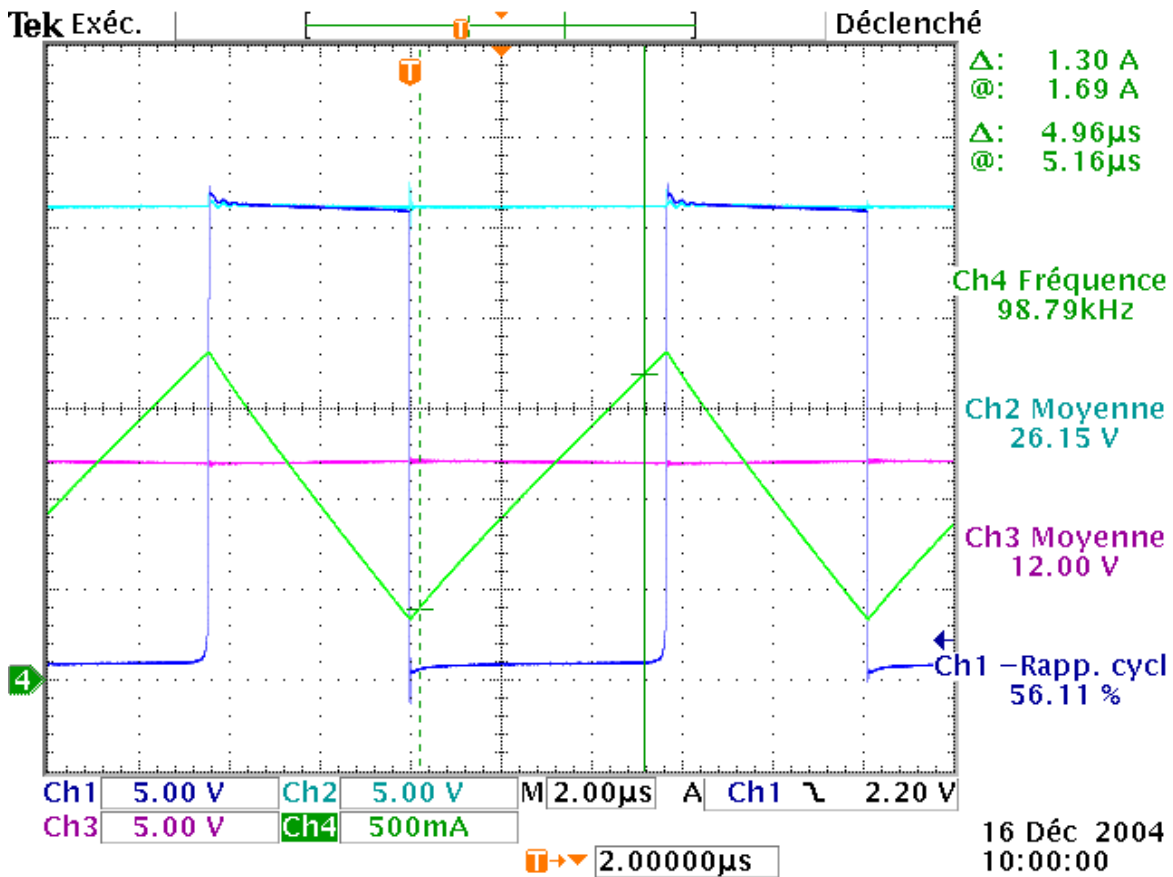
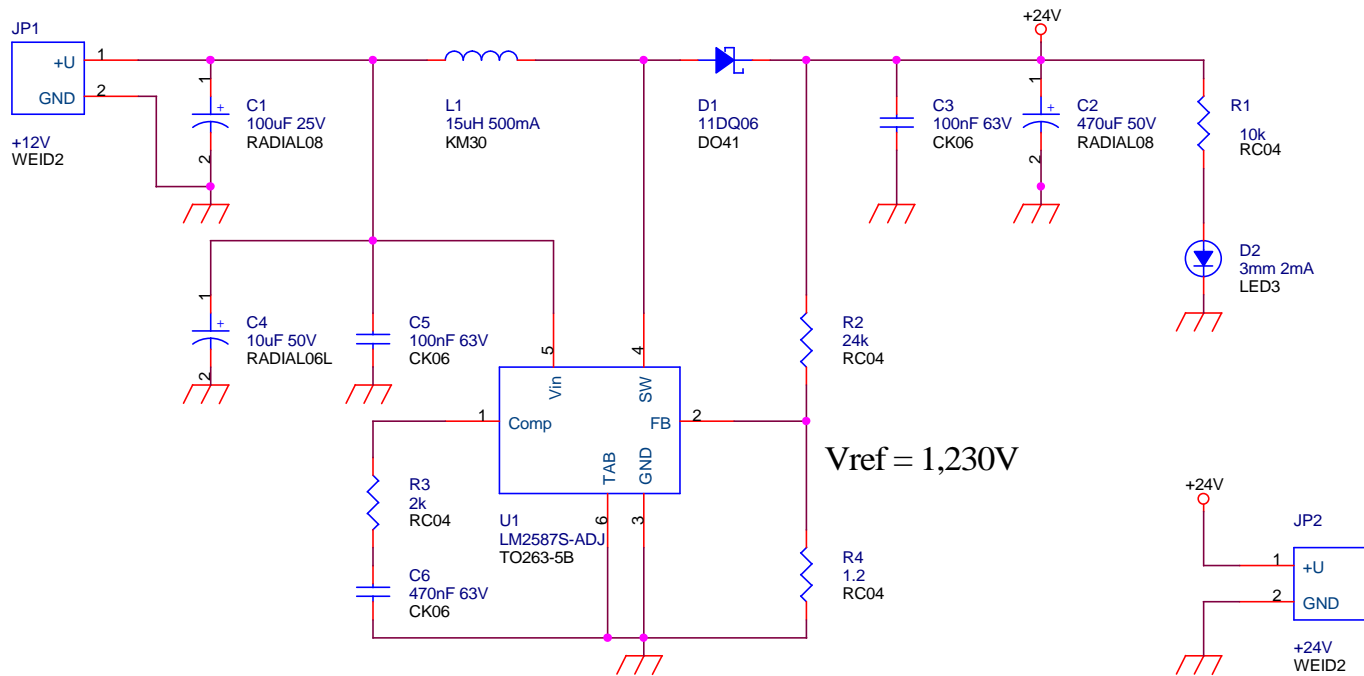
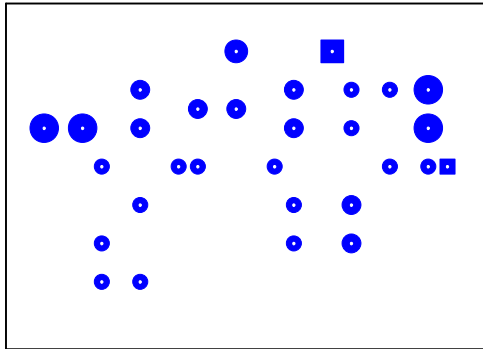
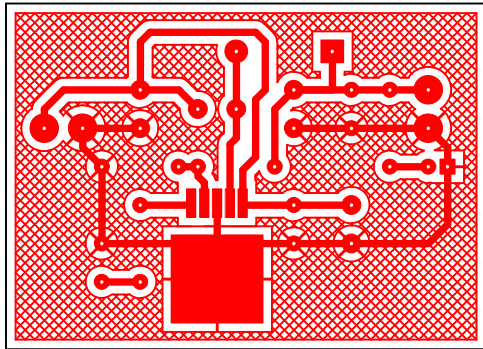


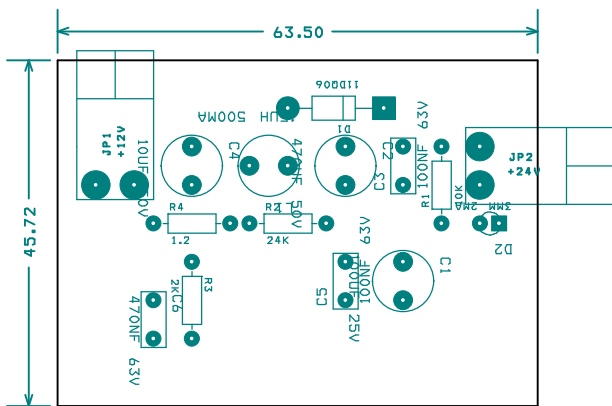
Fig. 8.5. LM2587 en conduction discontinu (ALIM2587\Tektronix\tek00004.pcx).

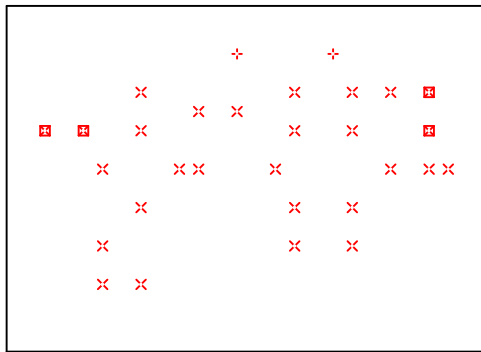


Title		
Projet CAPTURE		
Size	Document Number	Rev
A4	\\Projet\8lettres.opj	1
Date:	Saturday, December 11, 2004	Sheet 1 of 1









DRILL CHART				
SYM	DIAM	TOL	QTY	NOTE
x	0.787 mm		24	
+	0.991 mm		2	
☒	1.499 mm		4	
TOTAL			30	