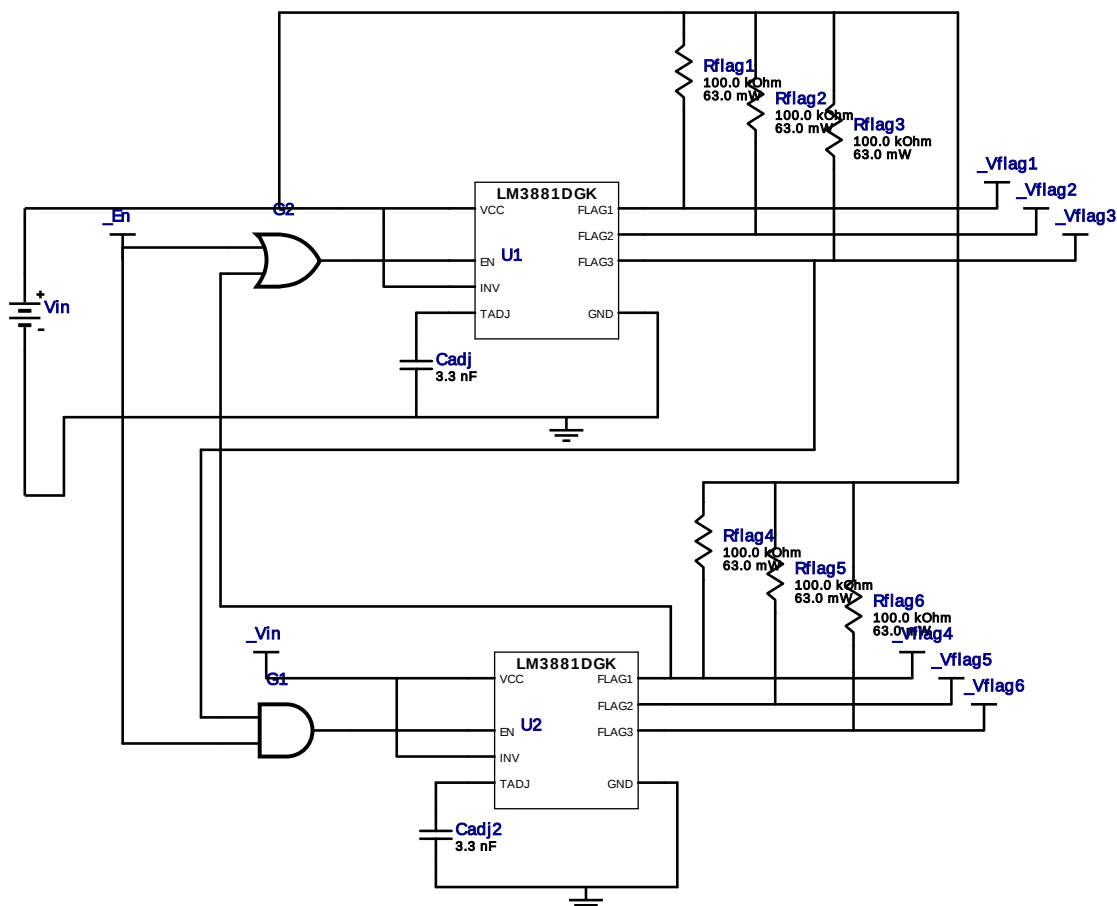


WEBENCH® Design Report

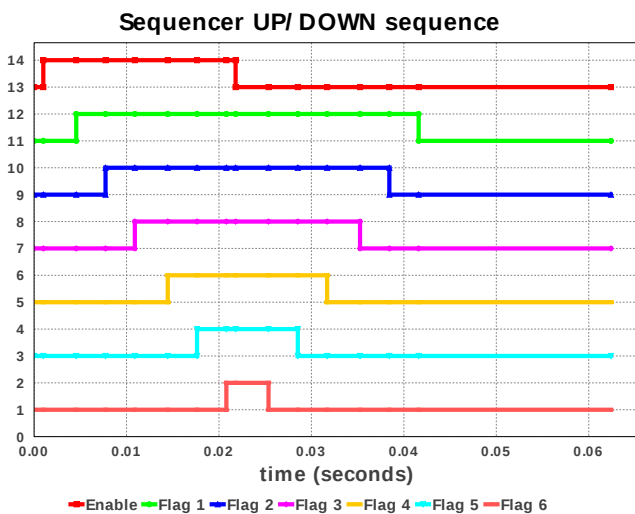
Design : 4790845/59 LM3881MM/NOPB
Design 59 - LM3881MM/NOPB



Electrical BOM

#	Name	Manufacturer	Part Number	Properties	Qty	Price	Footprint
1.	Cadj	MuRata	GRM216R71E332KA01D Series= X7R	Cap= 3.3 nF VDC= 25.0 V IRMS= 0.0 A	1	\$0.01	 0805 7 mm ²
2.	Cadj2	MuRata	GRM216R71E332KA01D Series= X7R	Cap= 3.3 nF VDC= 25.0 V IRMS= 0.0 A	1	\$0.01	 0805 7 mm ²
3.	G1	Texas Instruments	SN74AHC1G08	LogicGate	1	\$0.06	 SOT-23 14 mm ²
4.	G2	Texas Instruments	SN74AHC1G32	LogicGate	1	\$0.07	 SOT-23 14 mm ²
5.	Rflag1	Vishay-Dale	CRCW0402100KFKED Series= CRCW..e3	Res= 100.0 kOhm Power= 63.0 mW Tolerance= 1.0%	1	\$0.01	 0402 3 mm ²
6.	Rflag2	Vishay-Dale	CRCW0402100KFKED Series= CRCW..e3	Res= 100.0 kOhm Power= 63.0 mW Tolerance= 1.0%	1	\$0.01	 0402 3 mm ²

#	Name	Manufacturer	Part Number	Properties	Qty	Price	Footprint
7.	Rflag3	Vishay-Dale	CRCW0402100KFKED Series= CRCW..e3	Res= 100.0 kOhm Power= 63.0 mW Tolerance= 1.0%	1	\$0.01	 0402 3 mm²
8.	Rflag4	Vishay-Dale	CRCW0402100KFKED Series= CRCW..e3	Res= 100.0 kOhm Power= 63.0 mW Tolerance= 1.0%	1	\$0.01	 0402 3 mm²
9.	Rflag5	Vishay-Dale	CRCW0402100KFKED Series= CRCW..e3	Res= 100.0 kOhm Power= 63.0 mW Tolerance= 1.0%	1	\$0.01	 0402 3 mm²
10.	Rflag6	Vishay-Dale	CRCW0402100KFKED Series= CRCW..e3	Res= 100.0 kOhm Power= 63.0 mW Tolerance= 1.0%	1	\$0.01	 0402 3 mm²
11.	U1	Texas Instruments	LM3881MM/NOPB	Switcher	1	\$0.50	 S-PDSO-G8 36 mm²
12.	U2	Texas Instruments	LM3881MM/NOPB	Switcher	1	\$0.50	 S-PDSO-G8 36 mm²



Operating Values

#	Name	Value	Category	Description
1.	BOM Count	12	General	Total Design BOM count
2.	FootPrint	131.0 mm²	General	Total Foot Print Area of BOM components
3.	Total BOM	\$1.21	General	Total BOM Cost
4.	Total Pd	400.0 µW	Power	Total Power Dissipation
5.	Flag Voltage	5.0 V		Flag Voltage
6.	Flag1 Down delay (From EN high to low)	19.8 ms		Flag Delay
7.	Flag1 Up delay (From EN low to high)	3.564 ms		Flag Delay
8.	Flag2 Down delay (From EN high to low)	16.632 ms		Flag Delay
9.	Flag2 Up delay (From EN low to high)	6.732 ms		Flag Delay
10.	Flag3 Down delay (From EN high to low)	13.464 ms		Flag Delay
11.	Flag3 Up delay (From EN low to high)	9.9 ms		Flag Delay

#	Name	Value	Category	Description
12.	Flag4 Down delay (From EN high to low)	9.9 ms		Flag Delay
13.	Flag4 Up delay (From EN low to high)	13.464 ms		Flag Delay
14.	Flag5 Down delay (From EN high to low)	6.732 ms		Flag Delay
15.	Flag5 Up delay (From EN low to high)	16.632 ms		Flag Delay
16.	Flag6 Down delay (From EN high to low)	3.564 ms		Flag Delay
17.	Flag6 Up delay (From EN low to high)	19.8 ms		Flag Delay
18.	Flags Used	4.0		Flags Used
19.	Total Flags	6.0		Total Flags
20.	Vcc	5.0 V		Vcc

Design Inputs

#	Name	Value	Description
5.	base_pn	LM3881	Texas Instruments Base Part Number

Design Assistance

1. LM3881 Product Folder : <http://www.ti.com/product/LM3881> : contains the data sheet and other resources.

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