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Power

MOSFET driver, MOSFET transistors

Vout	VREF	Rtop	Rbot	err, %	Vout
1.5V	0.6V	49K9	33K	0.47	1.51V
5V		10K	1K37	-0.41	4.98V
0.9V	0.8V				
1V		1K5	6K04	-0.13	0.999V
1.2V		1K5	3K	0	1.2V
1.8V		4K99	3K92	1.02	1.82V
2.5V		24K9	11K8	-0.47	2.49V
		4K7	2K2	0.36	2.51V
3.3V		4K7	1K5	0.2	3.31V
		24K9	7K87	0.94	3.33V
5V		15K	2K8	1.71	5.09V

https://www.st.com/content/st_com/en/support/resources/edesign.html https://eds.st.com/console/#/home	STmicroelectronics	eDesignSuite	online power designer
	TI		online power designer

Manufacturers

Anpec	china\taiwan	
Mikron	russia	
consonance-elec		
injoinic		
korchip		EDLC

EDLC

korchip	EDLC

LED Driver

https://www.platan.ru/cgi-bin/qweryv.pl/0w200154.html?view=list

BPS	BP1361	Buck	5-30V	0.8A	https://doc.platan.ru/pdf/datasheets/BPS/BP1361.pdf	compel, platan
BPS	BP1360	Buck	5-30V	0.5A	https://doc.platan.ru/pdf/datasheets/BPS/BP1360.pdf	compel, platan

POE

Page	Abbreviation	Description	Tags
poe	POE	Power Over Ethernet	poe, power, ethernet

POE

LDO

Page	Abbreviation	Description	Tags
ldo	LDO	Low DropOut regulator	power

0.6V Out LDO:

P\N	Mfg	Vin	Vout	Current	Link
WR0513	Wayon			0.5A	https://www.way-on.com/Product-Center/info-410.html
WR0520	Wayon			0.5A	https://www.way-on.com/Product-Center/info-408.html
WR1010	Wayon			1A	https://www.way-on.com/Product-Center/info-408.html

DCDC boost

link	ext	description	manufacturer	version	date	lang
FAIR-S-A0000507963-1.pdf	pdf	**FAN48623** Onsemi (Fairchild) 2500 mA Boost DCDC with Bypass Mode	Onsemi (Fairchild)	rev. 1.7	2015.03	EN

DCDC buck

FAN53200-D.PDF	PDF	**FAN53200** Onsemi TinyBuck Regulator, Digitally Programmable, 5 A, 2.4 MHz	Onsemi	rev. 3	2020.05	EN
NCP1597B-D.PDF	PDF	**NCP1597B** Onsemi Buck Regulator - Synchronous 1 MHz, 2 A	Onsemi	rev. 2	2019.08	EN
PAM2305.pdf	pdf	**PAM2305** Diodes 1A STEP-DOWN DC-DC CONVERTER	Diodes	rev. 2-6	2013.01	EN
TCS4525_Ver.1.0.pdf	pdf	**TCS4525** DCDC 5A 3MHz I2C (FAN53200UC35X analog)	TCS	v1	2015.05.26	EN

DCDC flyback

	MPS	https://www.monolithicpower.com/how-to-design-a-flyback-converter-in-seven-steps	
MP6004	MPS	https://www.monolithicpower.com/en/documentview/productdocument/index/version/2/document_type/Datasheet/lang/en/sku/MP6004/document_id/1864/	Designed for POE 13W, No optocoupler
MP6005	MPS	https://www.monolithicpower.com/en/documentview/productdocument/index/version/2/document_type/Datasheet/lang/en/sku/MP6005GK/	No optocoupler
MP6001	MPS	https://www.monolithicpower.com/en/documentview/productdocument/index/version/2/document_type/Datasheet/lang/en/sku/MP6001/	w optocoupler 15W
MP6002	MPS	https://www.monolithicpower.com/en/documentview/productdocument/index/version/2/document_type/Datasheet/lang/en/sku/MP6002/document_id/1135/	w optocoupler 30W

DCDC Controller

NCP1589A	TPS51113	ISL6341, ISL6341C	300kHz
NCP1589B	TPS51163	ISL6341A, ISL6341B	600kHz

Vout	R2	C2	C1	R1	R3	C3	R4	I
5V	20K	3300PF	100PF	20K	240R	3300PF	3K65	6A?
3V3	2K2	0.22UF	3300PF	4K7	200R	3300PF		6A?

DC/DC (AC/DC) Convertor

KP321XB.PDF	PDF	**KP321XB** KIWI KP321XB series is a high-performance and low-cost PWM control function	KIWI	-	-	CN
MP9488.PDF	PDF	**MP9488** MPS The MP9488 is a 7.5V to 450V, wide input, 300mA, step-down converter	MPS	rev. 1	2016.12	EN
BM2P129TF.PDF	PDF	**BM2P129TF** ROHM The PWM type DC/DC converter for AC/DC This series has a built-in HV starter circuit that tolerates 650V/800V	ROHM	rev. 2	2017.04	EN
RAA223012.PDF	PDF	**RAA223012** Renesas The RAA223012 is a universal input AC/DC switching buck regulator with ultra-low standby power that features a 700V integrated MOSFET capable of delivering up to 2.5W output power. It supports output voltage as low as 3.3V.	Renesas	rev. 3.01	2022.03	EN
AL17050.PDF	PDF	**AL17050** Diodes The AL17050 is a universal AC high voltage input step down regulator Working with a single winding inductor and integrating a 500V	Diodes	rev. 2 - 2	2018.04	EN
BM2P1xxTF.PDF	PDF	**BM2P1xxTF** ROHM The PWM type DC/DC converter for AC/DC This series has a built-in HV starter circuit that tolerates 650V/800V	ROHM	rev. 2	2017.04	EN
LSxx-K3BxxSS.PDF	PDF	**LSxx-K3BxxSS** MORNSUN LSxx-K3BxxSS series is highly efficient green power AC-DC Converter series. It features wide input voltage range, accepting both DC and AC input voltage, high efficiency and low power consumption.	MORNSUN	A/3	2023.03	EN