

Sheet1

Schematic ID	Footprint	Part Name	Manufacturer	Supplier	Datasheet	Website	Quantity	Populated
C1 -C4 , C6 , C8	1206 (3216)	22uF X7R 16V(1206B226K160NT)	FH	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/M	https://lcsc.com/product-detail/M	6	6
C5, C7, C9 – C12	5x2 Radial Cap	22uF (EM51EM220D050T)	AI SHI	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Alur	https://lcsc.com/product-detail/Alur	6	0
D1	1206 (3216)	LED 2mA Red	ReliaPro	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Lig	https://lcsc.com/product-detail/Lig	1	1
D2	1206 (3216)	LED 2mA Blue	KENTO	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Lig	https://lcsc.com/product-detail/Lig	1	1
D3	1206 (3216)	LED 2mA Yellow					1	0
D4,D5,D6,D7,D8,D9	1206 (3216)	LED 2mA Green	ReliaPro	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Lig	https://lcsc.com/product-detail/Lig	6	6
DIP1	user	2.54mm 6 DIP switch (DSIC06LSGET)	KE	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/DIP	https://lcsc.com/product-detail/DIP	1	1
F1	1210 (3225)	1 amp Fast Acting	LittleFuse	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Surf	https://lcsc.com/product-detail/Surf	1	1
F2, F3	1210 (3225)	4 amp Fast Acting	LittleFuse	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Surf	https://lcsc.com/product-detail/Surf	2	1
JP1, JP2	3x 2.54 pitch	2.54mm 1*20P Straight Headers Pins	ReliaPro	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Mal	https://lcsc.com/product-detail/Mal	2	2
2x1 jumper	2x 2.54 pitch	2.54mm Short hood	ReliaPro	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Shu	https://lcsc.com/product-detail/Shu	2	2
P1	4x 5.08 pitch socket	WJ2EDGVC-5.08-4P	ReliaPro	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/2ED	https://lcsc.com/product-detail/2ED	1	1
P1	4x 5.08 pitch Connecto	WJ2EDGKB-5.08-4P Connector	ReliaPro	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/2ED	https://lcsc.com/product-detail/2ED	1	1
P2	12x 2.54 pitch	2.54mm 1*12P Straight Headers Pins	ReliaPro	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Mal	https://lcsc.com/product-detail/Mal	1	1
P3 – P34	15x 2.54 pitch	2.54mm 1*15P Straight Headers female Pins	ReliaPro	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Ferr	https://lcsc.com/product-detail/Ferr	32	32
P35, P36	15x 2.54 pitch edge						2	0
R1	1206 (3216)						1	0
R4-R17, R25, R26	1206 (3216)	1 Kohm Current Limters	FH	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Chi	https://lcsc.com/product-detail/Chi	16	16
R18	1206 (3216)	1 Mohm Current Limiter	FH	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Chi	https://lcsc.com/product-detail/Chi	1	1
R2, R3, R19 – R24	1206 (3216)	430 ohm LED Drivers	Uniroyal	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Chi	https://lcsc.com/product-detail/Chi	8	8
R27, R29, R31	1206 (3216)	Voltage Divider High (R1 = 300 ohm)	FH	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Chi	https://lcsc.com/product-detail/Chi	3	2
R28, R30, R32	1206 (3216)	Voltage Divider Low (R2 = 100ohm)	UniOhm	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Chi	https://lcsc.com/product-detail/Chi	3	2
R33, R34, R35	1206 (3216)	0ohm jumper for Voltage Regulator Bypass	UniOhm	LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Chi	https://lcsc.com/product-detail/Chi	3	0
TVS1, TVS2, TVS3	SOD323						3	0
U1, U3	To-263-3	UZ1084		LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Line	https://lcsc.com/product-detail/Line	2	2
U5	To-263-3	AMS1084		LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Low	https://lcsc.com/product-detail/Low	1	1
U2, U4, U6	T0-220	LM1084		LCSC	https://datasheet.lcsc.com/lcsc/product-detail/Low	https://lcsc.com/product-detail/Low	3	0
Z1, Z2, Z3	D-SMB	Zener Diodes					3	0
HeatSink	To-263-3 – heatsinked	573300D00000G	Aavid	Mouser	https://www.aavid.com	http://ca.mouser.com/Search/Prod	6	6
PCB			EasyEDA	EasyEDA		https://easyeda.com	1	1

Unpopulated (optional)