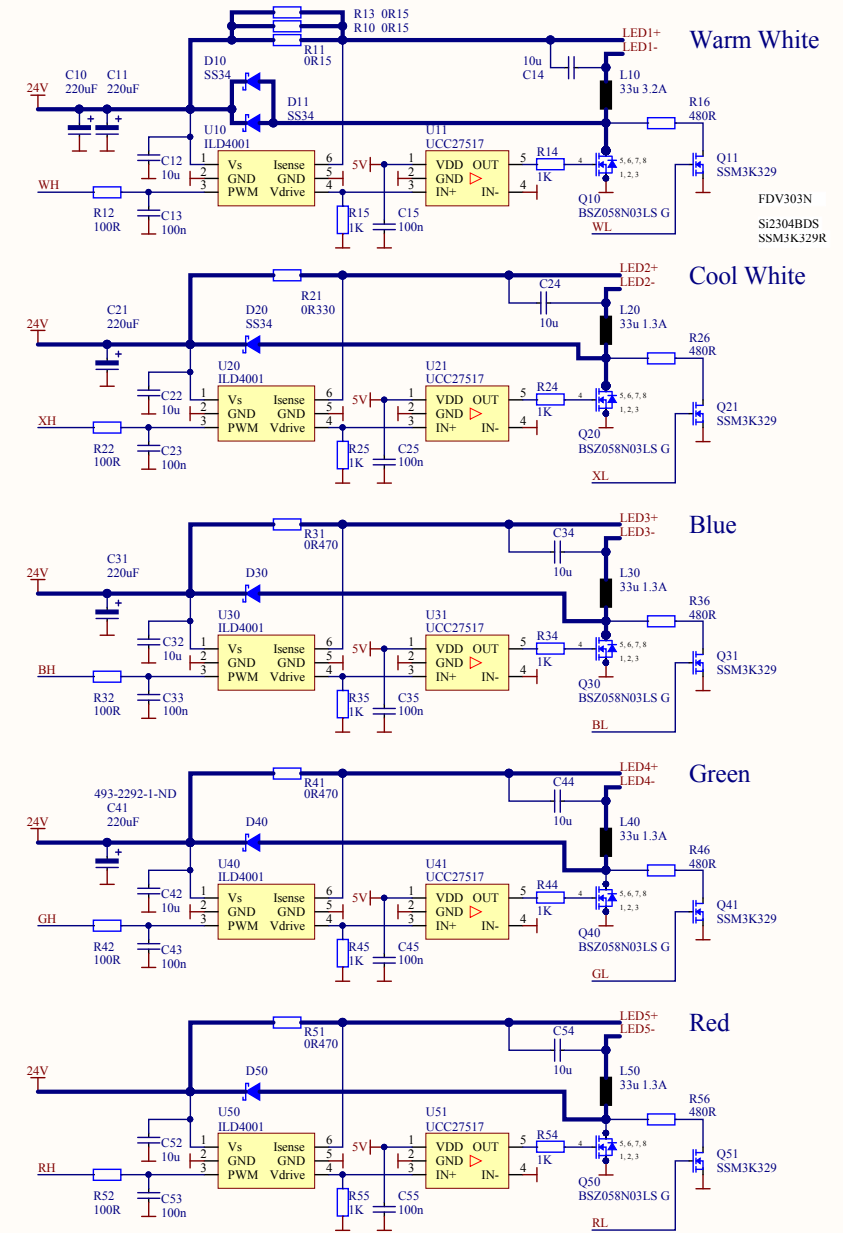
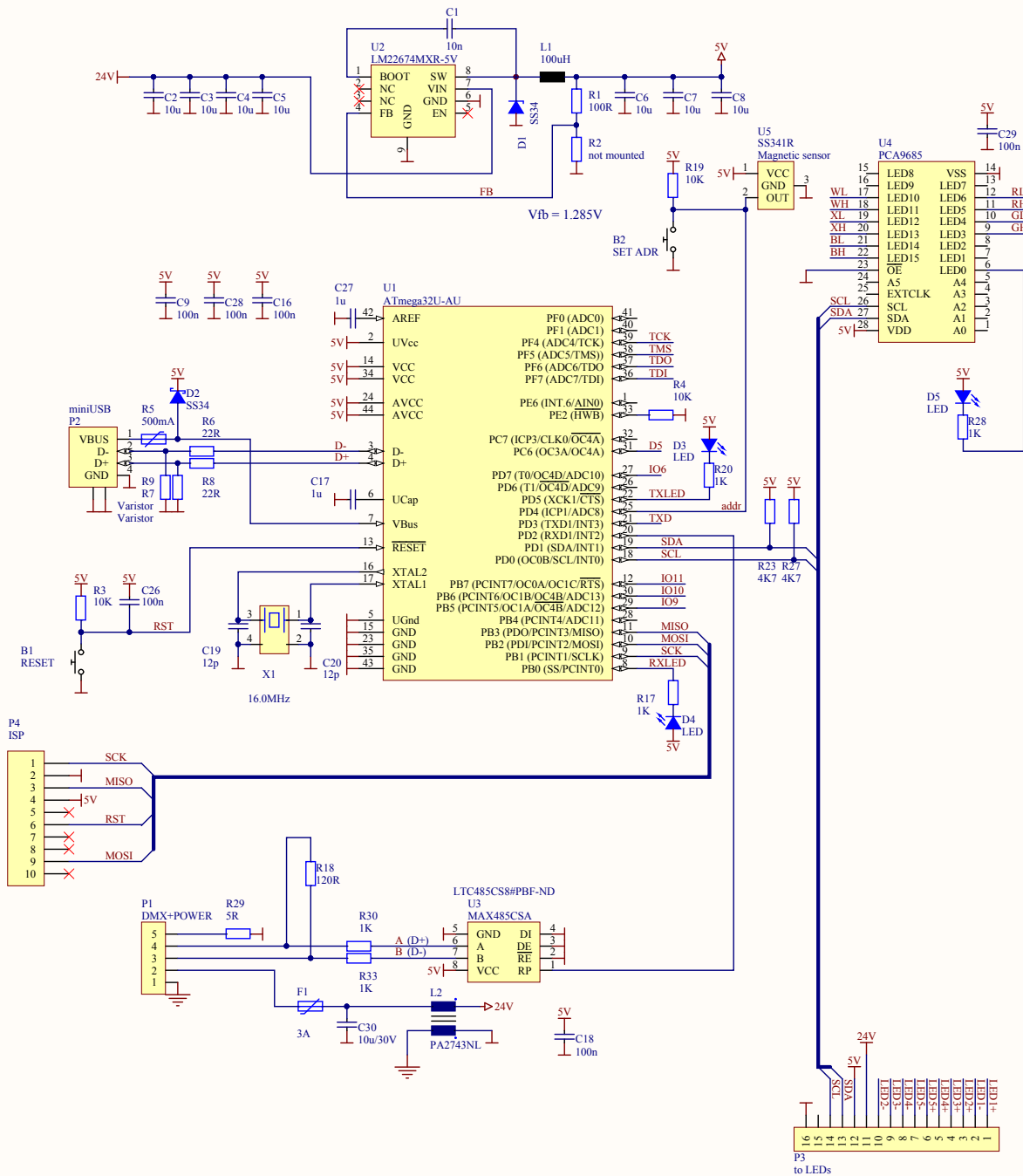
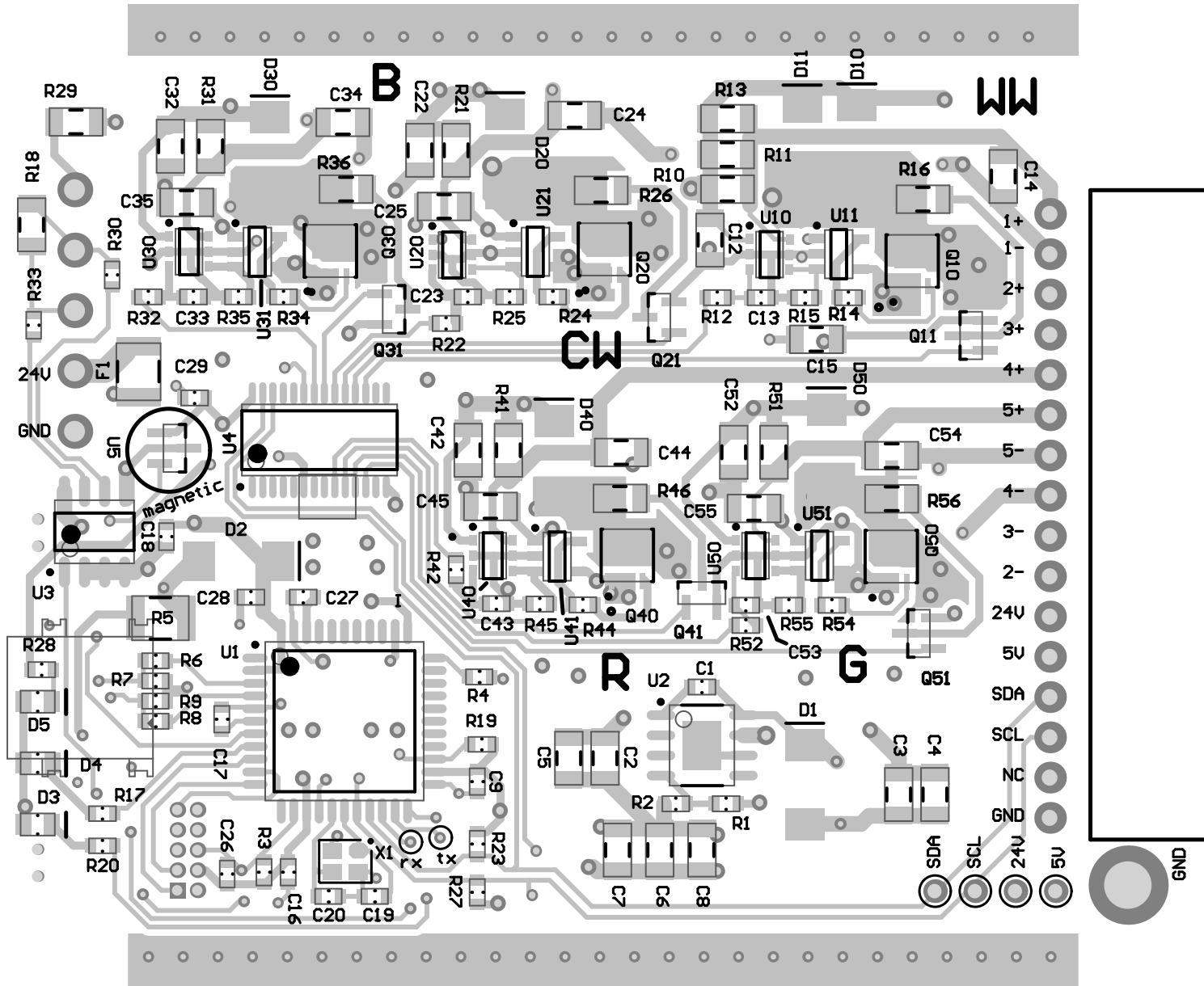
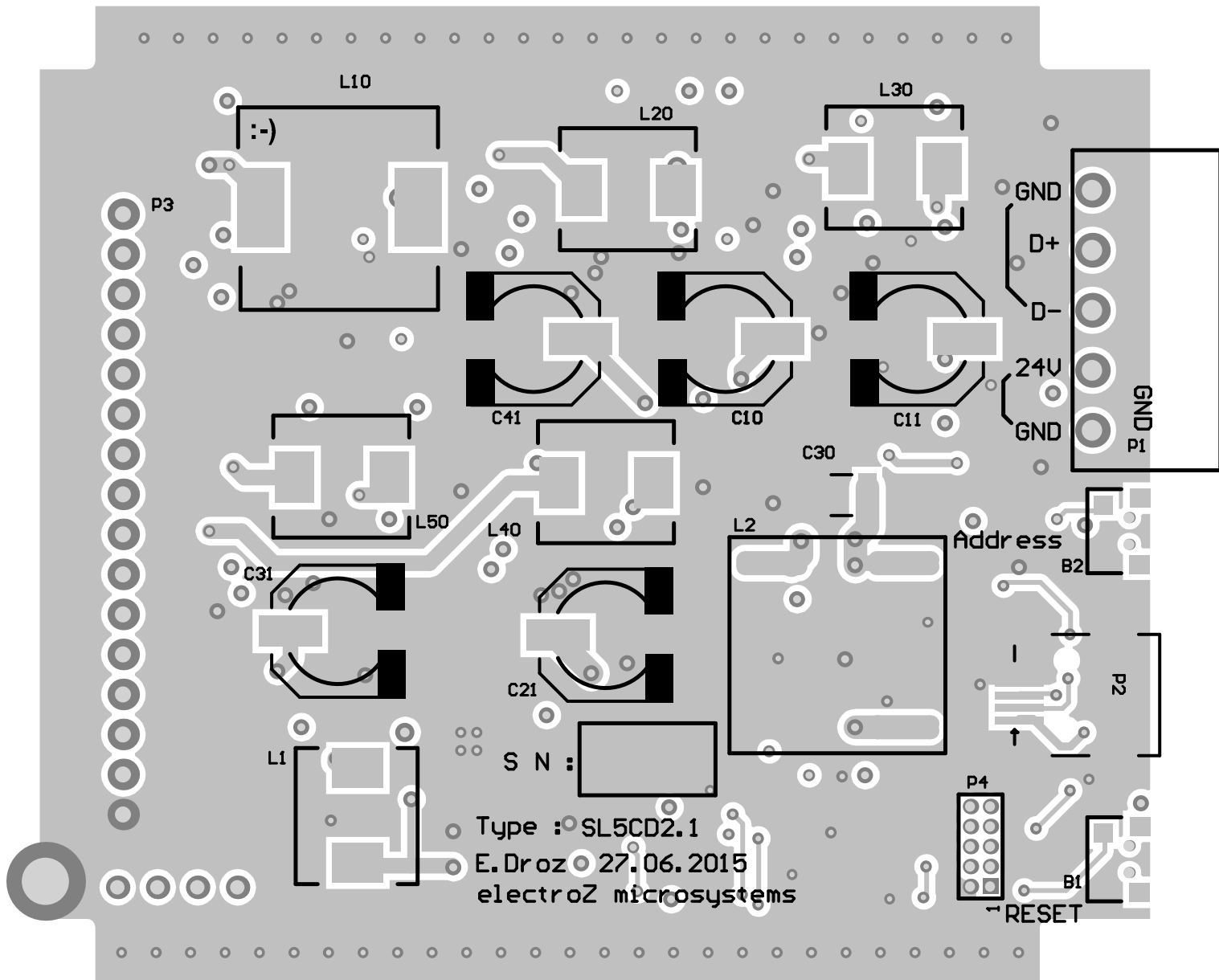


* See also ZXLD1352ET5TA, tps61165, ZXLD1356







Layer	Quantity	name	value	Comment	Designator	Description	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1
Bottom	1	10UF25V1206X5R	10u/30V	10u/30V	C30	Capacitor	Digi-Key	1276-1075-1-ND	0.102
Bottom	1	CON_phoenix_3.81_90_5x		DMX+ POWER	P1	Header, 8-Pin	Digi-Key	277-1209-ND	1.6157
Bottom	1	DR127-330-R	33u 3.2A	33u 3.2A	L10	Self	Digi-Key	513-1047-1-ND	1.378
Bottom	1	DR74-101	100uH	100uH	L1	Self	Digi-Key	513-1225-1-ND	1.3
Bottom	1	GRP8052VWVN-RC		ISP	P4	Header, 10-Pin	Digi-Key	S9015E-05-ND	0.554
Bottom	1	Header_fem_16x1_90deg		to LEDs	P3	Header, 4-Pin, Dual row			
Bottom	1	miniUSB		miniUSB	P2	USB plug			
Bottom	1	PA2743NL		PA2743NL	L2	Common mode choke filter	Digi-Key	553-2181-ND	1.197
Bottom	1	smallButton		RESET	B1				
Bottom	1	smallButton		SET ADR	B2				
Bottom	4	DR73-330-R	33u 1.3A	33u 1.3A	L20, L30, L40, L50	Self	Digi-Key	513-1047-1-ND	1.378
Bottom	5	C220uF35V8x10_105deg	220uF	220uF	C10, C11, C21, C31, C41	Capacitor	Digi-Key	493-2292-1-ND	0.32212
Top	1	1210L050YR	500mA	500mA	R5	Polyfuse	Digi-Key	S9015E-05-ND	0.554
Top	1	ATmega32U-AU		ATmega32U-AU	U1	8-bit AVR Microcontroller, 2.7-5.5V, 16MHz, 32KB Flash, 1KB EEPROM, 2.5KB SRAM, USB Controller, 44-pin TQFP, Industrial Grade -40°C to 85°C, Int RC	Digi-Key	ATMEGA32U4-AU-ND	4.6737
Top	1	C0603Set	10n	10n	C1	Capacitor			
Top	1	LM22674MXR-5V		LM22674MXR-5V	U2		Digi-Key	553-2181-ND	2.65
Top	1	MAX485CSA		MAX485CSA	U3		Digi-Key	PBF-ND	1.7
Top	1	PCA9685		PCA9685	U4		Digi-Key	568-8366-5-ND	1.71
Top	1	PolyF3A1206	3A	3A	F1	Polyfuse	Digi-Key	F2571CT-ND	0.7182
Top	1	Q16MHz_NX2520	16.0MHz	16.0MHz	X1	Crystal	Digi-Key	644-1200-1-ND	1.0716
Top	1	R0603Set	120R	120R	R18	Resistor			
Top	1	R0603Set	5R	5R	R29	Resistor			
Top	1	R0603Set	not mounted	not mounted	R2	Resistor			
Top	1	RLP73K2BR15JTD	0R470	0R470	R51	Resistor	Digi-Key	A109858C1-ND	0.1235
Top	1	RLP73K2BR33JTD	0R330	0R330	R21	Resistor	Digi-Key	A109854C1-ND	0.1235
Top	1	SS341R		SS341R	U5		Digi-Key	480-5346-1-ND	0.9143
Top	15	R0603Set	1K	1K	R14, R15, R17, R20, R24, R25, R28, R30, R33, R34, R35, R45, R54, R55	Resistor			
Top	16	R0603Set	100n	100n	C9, C13, C15, C16, C18, C23, C25, C26, C28, C29, C33, C43, C45, C53, C55	Capacitor			
Top	17	10UF25V1206X5R	10u	10u	C2, C3, C4, C5, C6, C7, C8, C12, C14, C22, C24, C32, C34, C42, C44, C52, C54	Capacitor	Digi-Key	1276-1075-1-ND	0.05993
Top	24	2176056-1	0R470	0R470	R31, R41	Resistor	Digi-Key	A109858C1-ND	0.09476
Top	2	C0603Set	12p	12p	C19, C20	Capacitor			
Top	2	C0603Set	1u		C17, C27	Capacitor			
Top	2	CG0603MLC-05E		Varistor	R7, R9	Resistor			
Top	2	R0603Set	22R	22R	R6, R8	Resistor			
Top	2	R0603Set	4K7	4K7	R23, R27	Resistor			
Top	3	LEDRed0805		LED	D3, D4, D5	Diode			
Top	3	R0603Set	10K	10K	R3, R4, R19	Resistor			
Top	3	RLP73K2BR15JTD	0R15	0R15	R10, R11, R13	Resistor	Digi-Key	A109846C1-ND	0.096
Top	5	BSZ058N03LS G		BSZ058N03LS G	Q10, Q20, Q30, Q40, Q50	PowerMOSFET 30V VDS 40A ID - 55 to 150 degC, PG-TSDSON-8-1, Reel, Green	Digi-Key	BSZ058N03LSGINCT-ND	0.33792
Top	5	ILD4001-E6327		ILD4001	U10, U20, U30, U40, U50		Digi-Key	ILD 4001 E6327CT-ND	0.45353
Top	5	RLP73K2BR15JTD	480R	480R	R16, R26, R36, R46, R56	Resistor			
Top	5	SSM3K329		NMOS_123	Q11, Q21, Q31, Q41, Q51		Digi-Key	SSM3K329R FCT-ND	0.1575
Top	5	UCC27517		UCC27517	U11, U21, U31, U41, U51		Digi-Key	296-30370-1-ND	1.03
Top	6	R0603Set	100R	100R	R1, R12, R22, R32, R42, R52	Resistor			
Top	8	SS34		SS34	D1, D2, D10, D11, D20, D30, D40, D50	Diode Zener, Diode, Diode, Diode			