

EVL CMB1-AIO210W - Bill of material

Sch. Ref.	Part No.	Case	Description	Supplier
C1	150N-X2	6.0 × 18.0 p15mm	X2 - FILM CAP - B32922C3154K	EPCOS
C2	470N-X2	9.0 × 18.0 p15mm	X2 - FILM CAP - B32922C3474K	EPCOS
C5	470N-X2	9.0 × 18.0 p15mm	X2 - FILM CAP - B32922C3474K	EPCOS
C7	1.5U - 520V	12.0 × 26.5.0 p22.5mm	520V - FILM CAP - B32673Z5155K	EPCOS
C10	2N2-Y1	p10mm	Y1 SAFETY CAP. DE1E3KX222M	MURATA
C11	2N2-Y1	p10mm	Y1 SAFETY CAP. DE1E3KX222M	MURATA
C12	180uF - 450V	Dia. 18X50 mm	450V ALUMINIUM ELCAP - BXW SERIES - 105°C	RUBYCON
C14	220P - 1kV	1206	1000V CERCAP	
C15	10N	0805	50V CERCAP - GENERAL PURPOSE	AVX
C16	6N8 - 500V	6x10.3 p.7.5 mm	500V - MKP FILM CAP - B32620A682J	EPCOS
C17	6N8 - 500V	6x10.3 p.7.5 mm	500V - MKP FILM CAP - B32620A682J	EPCOS
C20	100PF-630V	1206	630V CERCAP - GRM31A7U2J101JW31D	MURATA
C21	100N	0805	50V CERCAP - GENERAL PURPOSE	AVX
C23	100N	0805	50V CERCAP - GENERAL PURPOSE	AVX
C24	1uF	0805	50V CERCAP X7R - GENERAL PURPOSE	TDK
C25	1.8nF	0805	50V CERCAP - GENERAL PURPOSE	AVX
C26	4.7uF	0805	10V CERCAP - GENERAL PURPOSE	AVX
C27	220P	0805	50V - 5% - COG - CERCAP	AVX
C29	220P	0805	50V - 5% - COG - CERCAP	AVX
C28	1N	0805	50V CERCAP - GENERAL PURPOSE	AVX
C31	1N	0805	50V CERCAP - GENERAL PURPOSE	AVX
C30	470P	0805	50V - 5% - COG - CERCAP	AVX
C32	1uF	1206	50V CERCAP - X7R - 10%	TDK
C38	1uF	1206	50V CERCAP - X7R - 10%	TDK
C39	1uF	1206	50V CERCAP - X7R - 10%	TDK
C40	1uF	1206	50V CERCAP - X7R - 10%	TDK
C45	1uF	1206	50V CERCAP - X7R - 10%	TDK
C55	1uF	1206	50V CERCAP - X7R - 10%	TDK
C56	1uF	1206	50V CERCAP - X7R - 10%	TDK
C33	100uF-50V	DIA 8 x 11.5 p3.5mm	ALUMINIUM ELCAP - YXF SERIES - 105°C	RUBYCON
C34	100uF-50V	DIA 8 x 11.5 p3.5mm	ALUMINIUM ELCAP - YXF SERIES - 105°C	RUBYCON
C35	330uF 25V	D10.0 × H13.0 p5.0mm	25V OSCON ELCAP - SEPF SERIES - 105°C	PANASONIC
C36	330uF 25V	D10.0 × H13.0 p5.0mm	25V OSCON ELCAP - SEPF SERIES - 105°C	PANASONIC
C37	330uF 25V	D10.0 × H13.0 p5.0mm	25V OSCON ELCAP - SEPF SERIES - 105°C	PANASONIC
C44	330uF 25V	D10.0 × H13.0 p5.0mm	25V OSCON ELCAP - SEPF SERIES - 105°C	PANASONIC
C41	2N7	0805	50V CERCAP X7R - GENERAL PURPOSE	AVX
C42	2N7	0805	50V CERCAP X7R - GENERAL PURPOSE	AVX
C43	10uF	1206	35V CERCAP X5R - GENERAL PURPOSE	TDK
C46	8N2	0805	25V CERCAP - GENERAL PURPOSE	AVX
C49	560P	0805	50V CERCAP - GENERAL PURPOSE	AVX
C50	4N7	0805	50V - 5% - COG - CERCAP	AVX
C51	100N	1206	50V CERCAP - GENERAL PURPOSE	AVX
C53	2200uF 25V	D12.5 × H30.0 p5.0mm	25V ALU ELCAP - ZLH SERIES - 105°C	RUBYCON
C54	2200uF 25V	D12.5 × H30.0 p5.0mm	25V ALU ELCAP - ZLH SERIES - 105°C	RUBYCON
D1	D15XB60H	5S	SINGLE PHASE BRIDGE RECTIFIER	SHINDENGEN
D2	S1M	DO214AC	GENERAL PURPOSE RECTIFIER, SMT	FAIRCHILD
D3	S1M	DO214AC	GENERAL PURPOSE RECTIFIER, SMT	FAIRCHILD

D4	1N5406	DO201	GENERAL PURPOSE RECTIFIER	VISHAY
D5	STTH5L06	DO201	ULTRAFAST HIGH VOLTAGE RECTIFIER	ST
D6	1N4148WS	SOD-323	HIGH SPEED SIGNAL DIODE	VISHAY
D7	1N4148WS	SOD-323	HIGH SPEED SIGNAL DIODE	VISHAY
D8	1N4148WS	SOD-323	HIGH SPEED SIGNAL DIODE	VISHAY
D11	1N4148WS	SOD-323	HIGH SPEED SIGNAL DIODE	VISHAY
D19	1N4148WS	SOD-323	HIGH SPEED SIGNAL DIODE	VISHAY
D12	MMSZ4700T1G	SOD-123	ZENER DIODE	DIODES
D13	STPS2H100A	SMA	POWER SCHOTTKY DIODE	ST
D16	MMSZ5259B-7-F	SOD-123	ZENER DIODE	DIODES
D17	SMAJ40CA	SMA	Transient Voltage Suppression Diode SMAJ Series	ST
D18	SMAJ40CA	SMA	Transient Voltage Suppression Diode SMAJ Series	ST
F1	FUSE T4A	8.5x4 p.5.08mm	FUSE 4A - TIME LAG - 3921400	LITTELFUSE
HS1	HEAT SINK	DWG	HEAT SINK FOR D1, Q1	
HS2	HEAT SINK	DWG	HEAT SINK FOR Q2 - Q3	
HS3	HEAT SINK	DWG	HEAT SINK FOR Q7 - Q8	
JPX3	SHORTED		WIRE JUMPER	
JPX5	SHORTED		WIRE JUMPER	
JPX6	SHORTED		WIRE JUMPER	
JPX7	SHORTED		WIRE JUMPER	
JPX9	SHORTED		WIRE JUMPER	
JPX10	SHORTED		WIRE JUMPER	
JPX11	SHORTED		WIRE JUMPER	
JPX12	SHORTED		WIRE JUMPER	
JPX13	SHORTED		WIRE JUMPER	
JPX14	SHORTED		WIRE JUMPER	
JPX15	SHORTED		WIRE JUMPER	
JPX16	SHORTED		WIRE JUMPER	
JPX17	SHORTED		WIRE JUMPER	
JPX4	SHORTED		WIRE JUMPER	
JPX18	SHORTED		WIRE POWER JUMPER	
JPX19	SHORTED		WIRE POWER JUMPER	
J1	MKDS 1,5/ 3-5,08	DWG	PCB TERM. BLOCK, SCREW CONN. 5MM - 3 W.	PHOENIX CONTACT
J2	FASTON M 90	DWG	FASTON - CONNECTOR	
J3	FASTON M 90	DWG	FASTON - CONNECTOR	
L1	VOTC2506501000A	DWG	TOROIDAL EMI CM FILTER	YUJING
L2	VITC2707501950A	DWG	TOROIDAL EMI CM FILTER	YUJING
L4	250uH QP2925V	DWG	PFC INDUCTOR 250uH	YUJING
Q1	STF25N60M2-EP	TO-220FP	N-CHANNEL POWER MOSFET	ST
Q2	STF15N60M2-EP	TO-220FP	N-CHANNEL POWER MOSFET	ST
Q3	STF15N60M2-EP	TO-220FP	N-CHANNEL POWER MOSFET	ST
Q4	MMBT2907A	SOT-23	PNP SMALL SIGNAL BJT	VISHAY
Q5	BC847C	SOT-23	NPN SMALL SIGNAL BJT	VISHAY
Q6	BC847C	SOT-23	NPN SMALL SIGNAL BJT	VISHAY
Q7	STP220N6F7	TO-220	N-CHANNEL POWER MOSFET	ST
Q8	STP220N6F7	TO-220	N-CHANNEL POWER MOSFET	ST
R1	0R10	PTH	RSMF1TB - METAL FILM RES - 1W - 2% - 200ppm/°C	AKANE OHM
R72	0R10	PTH	RSMF1TB - METAL FILM RES - 1W - 2% - 200ppm/°C	AKANE OHM
R2	0R0	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R21	0R0	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R38	0R0	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R62	0R0	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R73	0R0	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R3	NTC 1R0-S237	dia. 15x7 p. 7.5 mm	NTC RESISTOR P/N B5723750109M000	EPCOS
R4	2M7	PTH	PTH STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R5	2M7	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY
R6	2M7	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY
R7	51K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R10	22R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R60	22R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R11	12R	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R12	100K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY

R15	100K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R18	100K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R13	15R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R16	15R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R14	56R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R17	56R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R19	100R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R20	33R	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R22	2K4	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R23	2K4	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R24	56K	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R25	56K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R27	2K7	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R28	33K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R34	33K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R57	33K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R29	3K9	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R30	220R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R32	220R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R31	270R	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R33	0R0	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R35	10K	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R36	10R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R37	4K7	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R39	22R	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY
R40	22R	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY
R41	100R	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY
R42	100R	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY
R50	5mOhm	2010	SMD current sense resistor WSLP	VISHAY
R51	5mOhm	2010	SMD current sense resistor WSLP	VISHAY
R52	910R	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R53	1K8	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R55	270K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R56	120K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R58	680K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R59	18K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY
R61	1K0	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY
R71	6K2	0805	SMD STANDARD FILM RES - 1/8W - 5% - 200ppm/°C	VISHAY
R74	1K2	1206	SMD STANDARD FILM RES - 1/4W - 5% - 200ppm/°C	VISHAY
R75	10R	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY
T1	LP3925H	DWG	RESONANT POWER TRANSFORMER - LP3925H	YUJING
U1	STCMB1	SO20W	TM PFC & LLC RESONANT COMBO CONTROLLER	ST
U2	SFH617A-4	DIP-4 10.16MM	OPTOCOUPLER	VISHAY
U3	SEA05L	SOT23-6L	CV/CC CONTROLLER WITH LED DRIVER	ST
U5	SRK2001	SSOP10	SRK2001 SR CONTROLLER	ST

