

EVL6564-50WFLB Bill-of-Material

Des.	Part type/ part value	Package	Description	Supplier
BR1	GBU4K	STYLE GBU	BRIDGE RECT. 4A 800V	VISHAY
CONN.1	Vac-IN	MKDS 1.5/2-5.08-PS.5.08	CONN.MKDS 1.5/2-5.08-PS.5.08	PHOENIX
CONN.2	Vdc-OUT	MKDS 1/2-3.81-PS.3.81	CONN.MKDS 1/2-3.81-PS.3.81	PHOENIX
C1	220nF	DWG	X2 FILMCAP-R46-560Vdc PS15	ARCOTRONICS
C3	220nF	DWG	X2 FILMCAP R46-560Vdc PS15-	ARCOTRONICS
C5	220nF	DWG	X2 FILMCAP R46-560Vdc PS15	ARCOTRONICS
C2	3300uF	DWG	ALUMINIUM ELCAP 105°C	PANASONIC
C4	3300uF	DWG	ALUMINIUM ELCAP 105°C	PANASONIC
C6	33uF	DWG	ALUMINIUM ELCAP 105°C	RUBYCON-
C7	2.2nF	DWG	CERCAP.X1/Y1+-20%B-PS10	VISHAY
C10	2.2nF	DWG	CERCAP.X1/Y1+-20%B-PS10	VISHAY
C11	2.2nF	DWG	CERCAP.X1/Y1+-20%B-PS10	VISHAY
C8	68uF	DWG	ALUMINIUM ELCAP 105°C	PANASONIC
C9	100uF	DWG	ALUMINIUM ELCAP 105°C	RUBYCON
C12	470pF	1206	ALUMINIUM ELCAP 105°C -X7R 10% 1206-SMD	AVX
C13	47pF	1206	CAP.HV-COG-NP0-10% EIA1206-SMD	AVX
C14	10nF	805	CERCAP X7R 10% EIA0805-SMD	MURATA
C26	470nF	805	CERCAP.X7R 10% EIA0805-SMD	MURATA
C16	1uF	805	CERCAP -X7R 10%-EIA0805-SMD	MURATA
C17	2.2uF	1206	CERCAP -X7R 10%-EIA1206-SMD	MURATA
C18	0.22uF	1206	CERCAP.X7R 10% EIA1206-SMD	KEMET
C20	3.3nF	805	CAP.X7R 10% EIA0805-SMD	KEMET
C21	2.2nF	805	CAP.X7R 10% EIA0805-SMD	KEMET
C22	10uF	1206	CERCAP -X5R 10%-EIA1206-SMD	MURATA
C23	1uF	1206	CERCAP -X7R 10%-EIA1206-SMD	MURATA
C28 *	150nF	1206	CERCAP -X7R 10%-EIA1206-SMD	MURATA
DZ1	1.5KE300A	DO201	TVS.-UNID.1500Wp	STMICROELECTRONICS
DZ2	BZV55-B18	SMD	DIODE-ZENER-2%-Sz 14.4mV/K-SMD	NXP
DZ4	BZV55-B18	SMD	DIODE-ZENER-2%-Sz 14.4mV/K-SMD	NXP
DZ3	BZV55-B27	SMD	DIODE-ZENER-2%-Sz 22.7mV/K-SMD	NXP
DZ6	BZV55-B5V1	SMD	DIODE-ZENER-2%-Sz 6.4mV/K-SMD	NXP

D1	STPS20H100CFP	TO220	DIODE-Schottky -Vf 0,77V@25°C 10A	STMICROELECTRONICS
D2	MRA4007	SMD	DIODE-RECT.SMD-MKR17	ON-MRA4007T3
D3	STTH108A	SMD	DIODE-ULTRAFAST-75nS-SMD-MK H08	STMICROELECTRONICS
D5	BAT46J	SMD	DIODE-Schottky-SMD-MK 46	STMICROELECTRONICS
D6	BAT46J	SMD	DIODE-Schottky-SMD-MK 46	STMICROELECTRONICS
D7	LL4148	SMD	DIODE-FAST-4nS-COL. B/G-SMD	FAIRCHILD
D8	LL4148	SMD	DIODE-FAST-4nS-COL. B/G-SMD	FAIRCHILD
D9	NM	Not Mounted		
F1	FUSE	DWG	FUSE 2A 250V 8.5x4-392/TE05-TIME-LAG	LITTELFUSE
HS1	HEAT SINK	DWG	HEAT SINK FOR BR1&Q1	MAGNETICA
HS2	HEAT SINK	DWG	HEAT SINK FOR D1	MAGNETICA
J1	PS20mm	JUMPER 0 ohm	JUMPER 0 ohm	
J2	PS12mm	JUMPER 0 ohm	JUMPER 0 ohm	
J3	PS5mm	JUMPER 0 ohm	JUMPER 0 ohm	
J6	PS5mm	JUMPER 0 ohm	JUMPER 0 ohm	
J9	PS5mm	JUMPER 0 ohm	JUMPER 0 ohm	
J4	PS10mm	PONTE 0 ohm	PONTE 0 ohm	
J5	PS21mm	JUMPER 0 ohm	JUMPER 0 ohm	
J7	PS7.5mm	JUMPER 0 ohm	JUMPER 0 ohm	
J8	PS7.5mm	JUMPER 0 ohm	JUMPER 0 ohm	
L1	19mH	DWG	COM.MODE CHOKES-270Vac max	MAGNETICA
L2	3uH	DWG	DIFF.CHOKES-DRUM CORE-10mOhm	MAGNETICA
L3	320uH	DWG	DIFFERENTIAL CHOKES	MAGNETICA
PTC1	680	805	PTC-680ohm 90°C SMD	Epcos
Q1	STF11NM80	TO220FP	MOSF-N-0.4 ohm-tr/17/15ns-Ins.2500Vdc	STMICROELECTRONICS
Q2	STN1HNK60	TO92	MOSF-N-8ohm-MK-N1HNK60	STMICROELECTRONICS
Q3	BC847C	SMD	BJT.NPN SMD-MK1G	NXP
R1	2.2M	PTH	RES.1%	VISHAY
R2	100K	PTH	RES.1%	VISHAY
R3	4.7M	1206	RES.1% -200Vac/dc-EIA1206-SMD	VISHAY
R4	4.7M	1206	RES.1% -200Vac/dc-EIA1206-SMD	VISHAY
R5	2.2M	1206	RES.1% -200Vac/dc-EIA1206-SMD	VISHAY
R8	2.2M	1206	RES.1% -200Vac/dc-EIA1206-SMD	VISHAY

R7	1.2K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R10	0.33	1210	RES.1% EIA1210-SMD	PANASONIC
R11	100	1206	RES.1% -200Vac/dc-EIA1206-SMD	VISHAY
R12	56K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R13	51K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R14	1M	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R15	1.5K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R16	1K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R17	10	1206	RES.1% -200Vac/dc-EIA1206-SMD	VISHAY
R19	22	1206	RES.1% -200Vac/dc-EIA1206-SMD	VISHAY
R20	0	1206	RES.1% -200Vac/dc-EIA1206-SMD	VISHAY
R21	100K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R22	10	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R23	10	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R25	0	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R26	470	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R28	33K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R29	6.2K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R30	2.2K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R31	4.7K	1206	RES.1% -200Vac/dc-EIA1206-SMD	VISHAY
R32	470K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R33	56K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R34	NM	Not Mounted		
R35	22K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R39	4.7K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R42	3.9K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
R43 *	10K	805	RES.1% -150Vac/dc-EIA0805-SMD	VISHAY
T1	1972.0008	Power Transformer	TRANSF. FLYBACK 24V/2.1A-50Khz-450uH	MAGNETICA
U1	ISP817XD	OPTOIS.35V CTR300-	OPTOIS.35V CTR300-600% PS.300mls	ISOCOM
U2	L6564	SSOP-10	TRANSITION-MODE PFC CONTROLLER	STMICROELECTRONICS
U4	TS2431A	SOT23	PROG. SHUNT VOLTAGE REFERENCE	STMICROELECTRONICS
VR1	275V	DWG	VDR-275Vac-350Vdc-40J(10/1000usec)D7mm	PANASONIC

*C28 and R43 have been added as a new reworking position.