

350W CCM PFC DEMO BOARD WITH L4984

Des.	Part Type/ Part Value	CASE STYLE /PACKAGE	DESCRIPTION	Supplier	Note	Mod
C1	220nF-520V	7.5X26.5 mm	520V - FLM CAP - B32673T5224	EPCOS		
C2	1uF-520V	10.5X26.5 mm	520V - FLM CAP - B32673Z5105	EPCOS		
C3	100uF - 450V	Dia. 18X40 mm	450V - ALUMINIUM ELCAP - KXG SERIES - 105°C	NIPPON CHEMICON		
C4	100uF - 450V	Dia. 18X40 mm	450V - ALUMINIUM ELCAP - KXG SERIES - 105°C	NIPPON CHEMICON		
C5	470nF-X2	10.5X26.5 mm	X2 - FLM CAP - B32923A3474M	EPCOS		
C6	1uF-X2	11X26.5 mm	X2 - FLM CAP - B32923C3105	EPCOS		
C8	68N	0805	100V CERCAP - GENERAL PURPOSE - X7R - 10%	AVX		
C9	470N	1206	100V CERCAP - GENERAL PURPOSE - X7R - 10%	KEMET		
C10	100uF-35V	Dia. 8X11 mm	50V - ALUMINIUM ELCAP - YXF SERIES - 105°C	RUBYCON		
C11	680N	0805	25V CERCAP - GENERAL PURPOSE - X7R - 10%	KEMET		
C12	10N	0805	50V CERCAP - GENERAL PURPOSE - X7R - 10%	KEMET		
C13	330pF	0805	50V CERCAP - GENERAL PURPOSE - COG - 5%	EPCOS		
C14	680pF	0805	50V CERCAP - GENERAL PURPOSE - COG - 5%	EPCOS		
C15	1uF	1206	50V CERCAP - GENERAL PURPOSE - X7R - 10%	TDK		
C16	2N2	0805	50V CERCAP - GENERAL PURPOSE - X7R - 10%	KEMET		
C17	470nF-520V	7X26.5 mm	520V - FLM CAP - B32673Z5474K**	EPCOS		
D1	1N5406	DO-201	RECTIFIER - GENERAL PURPOSE	VISHAY		
D2	D15XB60H	DWG	SINGLE PHASE BRIDGE RECTIFIER	SHINDENGEN		
D3	STTH8S06FP	TO-220	ULTRAFAST HIGH VOLTAGE RECTIFIER	STMICROELECTRONICS		
D6	LL4148	MINIMELF	HIGH SPEED SIGNAL DIODE	VISHAY		
D7	LL4148	MINIMELF	HIGH SPEED SIGNAL DIODE	VISHAY		
F1	FUSE T6.3A	4x8.5 mm Pitch 5.08 mm	SUBMINIATURE FUSE 392/TE5 - TIME DELAY 6.3A	LITTELFUSE		
HS1	HEAT-SINK	DWG	HEAT SINK FOR D2	MECCAL		
HS2	HEAT-SINK	DWG	HEAT SINK FOR Q1, Q2 & D3	MECCAL		
J1	09-65-2038	DWG	KK PCB CONN. - STRAIGHT - PITCH 3.96MM - 3 PINS (Central removed)	MOLEX		
J2	10-16-1051	DWG	KK PCB CONN. - STRAIGHT - PITCH 5.08MM - 5 PINS (Central removed)	MOLEX		
J3	22-27-2031	DWG	KK PCB CONNECTOR, STRAIGHT, PITCH 2.54MM - 3 PINS	MOLEX		
JPX1	SHORTED	WIRE	WIRE JUMPER	-		
JPX2	SHORTED	WIRE	WIRE JUMPER	-		
JPX3	SHORTED	WIRE	WIRE JUMPER	-		
JPX4	SHORTED	WIRE	WIRE JUMPER	-		
JPX5	SHORTED	WIRE	WIRE JUMPER	-		
L1	70uH - 7A	DWG	DM INDUCTOR - 1119.0013	MAGNETICA		
L2	3mH - 7A	DWG	EMI FILTER - 1606.0007	MAGNETICA		
L3	700uH	DWG	PFC INDUCTOR - 2097.0002	MAGNETICA		
L4	2743005112	DWG	FERRITE BEAD dia. 3.5x6mm VERTICAL	FAIR RITE		
Q1	STF21N65M5	TO-220FP	N-CHANNEL POWER MOSFET	STMICROELECTRONICS		
Q2	STF21N65M5	TO-220FP	N-CHANNEL POWER MOSFET	STMICROELECTRONICS		
R1	750K	1206	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY		
R2	NTC 1R0-S237	dia. 15x7 p. 7.5 mm	NTC RESISTOR P/N B57237S0109M000	EPCOS		
R3	750K	1206	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY		
R4	750K	1206	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY		
R5	3M3	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R6	2M2	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R8	2M2	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R10	3M3	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R12	1M0	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R13	2M2	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R14	3M3	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R16	1M0	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R17	56K	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R18	160K	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R19	6R8	0805	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY		
R20	3R9	0805	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY		
R21	100K	0805	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY		
R22	1M0	1206	SMD STANDARD FILM RES - 1/4W - 1% - 100ppm/°C	VISHAY		
R23	56K	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY		
R24	24K	0805	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY		
R25	6R8	0805	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY		
R26	3R9	0805	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY		
R27	0R33	PTH	RSMF1TB - METAL FILM RES - 1W - 2% - 250ppm/°C	AKANEOHM		
R28	1M0	0805	SMD STANDARD FILM RES - 1/8W - 1% - 100ppm/°C	VISHAY		
R29	1K0	0805	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY		
R30	0R33	PTH	RSMF1TB - METAL FILM RES - 1W - 2% - 250ppm/°C	AKANEOHM		
R31	0R33	PTH	RSMF1TB - METAL FILM RES - 1W - 2% - 250ppm/°C	AKANEOHM		
R32	10R	0805	SMD STANDARD FILM RES - 1/8W - 5% - 250ppm/°C	VISHAY		
R33	100R	1206	SMD STANDARD FILM RES - 1/4W - 5% - 250ppm/°C	VISHAY		
RV1	300Vac	dia. 15x5 p. 7.5 mm	300V METAL OXIDE VARISTOR - B72214S0301K101	EPCOS		
U1	L4984D	SSOP10	CCM PFC CONTROLLER	STMICROELECTRONICS		
Z1	PCB REV. 1					