

F5X Power Supply BOM

for 1 channel

REFERENCE DESIGNATOR	QTY	Description	MFG	MFG PN	DIGIKEY/MOUSER PN	NOTES
Regulator Boards						
Regulator PCB set (1 panel)	1	PCB	xen-audio.com		-	
C1, C2, C3, C4	4	1000uF 35V	PANASONIC	EEU-FC1V102	P10305-ND	
D1, D2, D5, D7	4	Diode, 50V, 1A	FAIRCHILD	1N4001	1N4001FSCT-ND	
D4	1	BAW76	FAIRCHILD	BAW76	512-BAW76	
D3, D6	2	Zener 18V, 500mW	FAIRCHILD	1N5248	1N5248BFSCT-ND	See Build Notes on setting regulator voltage
J1, J3	2	4 pos Terminal Block	FCI	20020316-G041B01LF	609-3929-ND	
J2	1	3 pos header	MOLEX	22-11-2032	WM2701-ND	
K1	1	G6S Relay, 2C, 24V	OMRON	Z2608-ND	Z2608-ND	
R1, R3, R8, R10	4	1K OHM, 1%, 1/4W	PRP	PR9372-1/4T TC50 1K 1%	-	
R2, R9	2	220, 5%, 1W	VISHAY/BC	PRO1000102200JR500	PPC220W-1CT-ND	
R4, R5, R6, R7	4	27, 5%, 2W	VISHAY/BC	PRO2000202709JR500	PPC27W-2CT-ND	
Q1	1	N-MOSFET	TOSHIBA	2SK3497	-	
Q2	1	P-MOSFET	TOSHIBA	2SJ618	-	
HS1	2	Heatsink	TBD	TBD	-	
+VE Filters						
+VE Filter PCB	2	PCB	xen-audio.com		-	Part of Regulator PCB set
C10, C11	4	22000uF 35V	PANASONIC	ECO-S1VP223DA	P6921-ND	
J10, J11	4	4 pos Terminal Block	FCI	20020316-G041B01LF	609-3929-ND	
-VE Filters						
-VE Filter PCB	2	PCB	xen-audio.com		-	Part of Regulator PCB set
C20, C21	4	22000uF 35V	PANASONIC	ECO-S1VP223DA	P6921-ND	
J20, J21	4	4 pos Terminal Block	FCI	20020316-G041B01LF	609-3929-ND	
Transformers and Rectifiers (no PCB, handwire)						
D8-D11	4	Diode, 20A Ultra Fast	STMicroelectronics	STTH2002D	497-5276-5-ND	
Tx	1	600VA, 115/115 - 15/15		e.g. SumR RC0600 915 5	-	