



SUB-ASSEMBLY															
USAGE	#		NO.					RELEASE DATE	03/05/18	P/L	REV.	REV.	Units to	Total	Cost per
393	1		TITLE	Model 393 Power Supply Primary PCB Assembly 80386				JOB#	N/A	3/5/2018	0		1	\$73.06	\$73.06
		# TO	MFGR	1				WORK ORDER #	N/A						
		NEXT	ASSY	4A-?????				NON STANDARD NOTATIONS							
DESIGNATOR	ITEM	QTY	EXT	STK	ROHS	DESCRIPTION		PART	MANUFAC	VENDOR	PURCH	UNIT	TOTAL	NEW	
NUMBER	#	REQ	QTY	CHK			#	TURER	VENDOR	PART #	QTY	PRICE		STOCK	
<b>Related Documents</b>															
	0.5	1	1			Schematic 10386 (80386), Model 393	1D20386 Rev.0	Designed by Andrey Filippov							
	20	1	1			Fabrication (80386), Model 393	4F20386 Rev.0								
	21	1	1			Artwork (80386), Model 393	4G20386 Rev.0								
<b>Integrated Circuits</b>															
U1	40	1	1		Y	PhotoMOS Relay, SPST NO, t=2.0mm, <b>100V, 120mA</b> , SOP-4-	AQY280SX	Panasonic	Digi-Key	255-3913-1-ND	1	1.67	1.67	0	
<b>Power Supply Modules</b>															
DC2	41	1	1		Y	DC-DC Converter, Isolated, Single Output, 9-36V input, <b>25W</b> , DIP8-1-32-BRICK-TH	ULT-3.3/7.5-D48N-C	Murata Power Solutions	Digi-Key	811-2332-ND	1	24	24	0	
DC1	42	1	1		Y	IEEE 802.3at PD Power-Over-Ethernet Interface Controller, DFN-12, marked as <b>4265</b>	LTC4265IDE#PBF	Linear Technology	Digi-Key		1	4.6	4.6	0	
<b>Transistors</b>															
Q2	43	1	1		Y	Transistor PNP, <b>2907</b> , <b>60V, 0.6A</b> , SOT-523, marked as <b>2F</b>	MMBT2907AT-7-F	Diodes Inc	Digi-Key	MMBT2907AT-FDICT-ND	1	0.39	0.39	0	
Q1	44	1	1		Y	INTELLIFET (T) Self-Protected N-channel MOSFET, <b>60V, 1.3A</b> , SOT-223, marked as <b>ZXMS/6004S</b>	ZXMS6004SGTA	Diodes Inc	Digi-Key		1	1.05	1.05	0	
<b>Diodes</b>															
CR4-CR5	45	2	2		Y	Schottky Diode, 1uA@100V@25C, t=1.0mm, <b>100V, 1A</b> , POWERDI-123	DFLS1100-7	Diodes Inc	Digi-Key	DFLS1100DICT-ND	2	0.36	0.72	0	
CR1	46	1	1		Y	Surface Mount Diode, 0.1uA@175V, <b>200V, 200mA</b> , SOD-123, marked as <b>33</b>	MMSD3070	Fairchild	Digi-Key	MMSD3070CT-ND	1	0.36	0.36	0	
CR2-CR3	47	2	2		Y	Schottky Diode Bridge, t=1.2mm, <b>1000V, 1A</b> , CD2320	CD2320-B11000	Bourns	Digi-Key	CD2320-B11000CT-ND	2	0.44	0.88	0	
Z1	48	1	1		Y	Zener Diode, <b>5.1V</b> , SOD-523F, marked as <b>58</b>	MM5Z5V1	Fairchild	Digi-Key	MM5Z5V1CT-ND	1	0.5	0.5	0	

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Z3	49	1	1		Y	Zener Diode, <b>20V</b> , SOD-523F, marked as <b>5N</b>	MM5Z20V	Fairchild	Digi-Key	MM5Z20VCT-ND	1	0.22	0.22	0
Z2	50	1	1		Y	Transient Voltage Suppressor, Unidirectional, <b>60V</b> , SMA, marked as	SMAJ60A-13-F	Diodes Inc	Digi-Key	SMAJ60A-FDICT-ND	1	0.77	0.77	0
						<b>Resistors</b>								
R8	51	1	1		Y	Resistor, <b>30.9Ω, ±1%</b> , SMD 0402, marked as <b>30R9</b>	ERJ-2RKF30R9X	Panasonic	Digi-Key	P124LCT-ND	10	0.098	0.98	9
R1	52	1	1		Y	Resistor, <b>124Ω, ±1%</b> , SMD 0402, marked as <b>1240</b>	ERJ-2RKF1240X	Panasonic	Digi-Key	P124LCT-ND	10	0.098	0.98	9
R6-R7	53	2	2		Y	Resistor, <b>10KΩ, ±1%</b> , SMD 0402, marked as <b>1002</b>	RC0402FR-0710KL	Yageo	Digi-Key	311-10.0KLRCT-ND	10	0.094	0.94	8
R4-R5	54	2	2		Y	Resistor, <b>100KΩ, ±1%</b> , SMD 0402, marked as <b>1003</b>	RC0402FR-07100KL	Yageo	Digi-Key	311-100KLRCT-ND	10	0.094	0.94	8
R2-R3, R9	55	3	3		Y	Resistor, <b>442KΩ, ±1%</b> , SMD 0402, marked as <b>4423</b>	RC0402FR-07442KL	Yageo	Digi-Key	311-442KLRCT-ND	10	0.094	0.94	7
						<b>Capacitors</b>								
C9	56	1	1		Y	Capacitor, Ceramic Chip, X6S,20%, t=1.6mm, <b>100μF, 4V</b> , C-1206	C3216X6S0G107M160AC	TDK	Digi-Key	445-6012-1-ND	1	1.25	1.25	0
C2	57	1	1		Y	Capacitor, Ceramic Chip, <b>0.068μF, 100V</b> , C-1206HV	C1206C683K1RACTU	Kemet	Digi-Key	399-1803-1-ND	10	0.601	6.01	9
C8	58	1	1		Y	Capacitor, Ceramic Chip X7R, <b>0.1μF, 100V</b> , C-0603	GRM188R72A104KA35D	Murata	Digi-Key	490-3285-1-ND	1	0.2	0.2	0
C1	59	1	1		Y	Capacitor, Ceramic Chip, <b>1μF, 100V</b> , C-1206	GRM31CR72A105KA01	Murata	Digi-Key	490-3909-1-ND	10	1.007	10.07	9
C3-C4	60	2	2		Y	Capacitor, Ceramic Chip, X7S,20%, t=1.25mm, <b>1μF, 100V</b> , C-0805	CGA4J3X7S2A105M125AE	TDK	Digi-Key	445-7961-1-ND	2	0.49	0.98	0
C7	61	1	1		Y	Capacitor, Ceramic Chip, t=1.9mm, <b>4.7μF, 100V</b> , C-1206	12061Z475KAT2A	AVX Corporation	Digi-Key	478-8718-1-ND	1	1.85	1.85	0
C5-C6	62	2	2		Y	Capacitor, Ceramic Chip, X7R,10%, t=1.7mm, <b>47nF, 1000V</b> , C-1210	VJ1210Y473KXGAT5Z	Vishay	Digi-Key	720-1059-1-ND	2	2.84	5.68	0
						<b>Inductors and LC filters</b>								
L2	63	1	1		Y	SMD Inductor,3.0mm x 3.0mm x 1.0mm, <b>15μHn, 800mA</b> , SRN3010	SRN3010-150M	Bourns	Digi-Key	SRN3010-150MCT-ND	1	0.34	0.34	0
L1	64	1	1		Y	SMD Common Mode Choke, CAN-bus, <b>2.2mHn, 500mA</b> , CC2824D225R	CC2824D225R-10	Steward	Digi-Key	240-2451-1-ND	2	0	0	1
						<b>Connectors</b>								
J4	65	1	1		Y	Connector header, Micro-Fit 3.0, SMT, Right-Angle, 4 contacts, <b>250V, 5A</b> , 43650-0410	43650-0410	Molex	Digi-Key	43650-0410	1	4.04	4.04	0
J1	66	1	1		Y	Pin Header 2mm, 6 pins, double row, 3.5mm mating length, <b>500V, 2A</b> , MTMM-103-D	MTMM-103-02-F-D-140	Samtec	Samtec	MTMM-103-02-F-D-140	1	0.46	0.46	0

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J2	67	1	1		Y	Pin Header 2mm, 6 pins, double row, 6mm mating length, <b>500V, 2A</b> , MTMM-103-D	<a href="#">MTMM-103-05-F-D-230</a>	Samtec	Samtec	MTMM-103-05-F-D-230	1	0.46	0.46	0
J3	68	1	1		Y	DC Power Jack 5.5mm/2.5mm, <b>8A</b> , PJ-063	<a href="#">PJ-063BH</a>	CUI	Digi-Key	CP-063BH-ND	1	1.78	1.78	0