

Name: DC-DC Converter
Number: 100524

SCS CORPORATION

Revision: -
Revision Date:

ITEM NO.	QTY	REF. DES.	DESCRIPTION	SIMPLE DESCRIPTION	SCS P/N	MANUFACTURER	PART NO.	UNIT COST	EXTENDED COST	DISTRIBUTORS	DIST. PART NO.
0	NEXT		U519 Scanner	U519	100495	SCS	100495				
1	1	C1	100UF,100V,Feed-Thru Electrolytic	Capacitor	EC1	XICON	ERSL100V100	0.60	\$0.60	Mouser	140-ERSL100V100
2	1	C2	1000UF,25V,Feed-Thru Electrolytic	Capacitor	EC2	XICON	ERSL25V1000	0.63	\$0.63	Mouser	140-ERSL25V1000
3	2	C3,C5	1.0UF,+80%-20%,16V,Y%V,0805	Capacitor	C1A-146	Samsung	CL21F105ZONE	0.06	\$0.12	Garrett	CL21F105ZONE
4	2	C4,C6	0.01UF,10%,50V,X7R,0805	Capacitor	C1C-98	Samsung	CL21B103KNBC	0.03	\$0.06	PUI	08051C103KAT2A
5	2	D1,D2	SCHOTTKY Rectifier	Rectifier	D13	Motorola	MBRS360T3	0.42	\$0.84		
6	1	J1	2 Pin Right Angle Header	Connector	J59	AMP	1-350942-0	0.81	\$0.81	Mouser	571-13509420
7	1	J2	4 Pin Right Angle Header	Connector	J33	Molex	705-53-0003-P	1.25	\$1.25	Digi-Key	WM4902-ND
8	1	L1	100UH,3A,Feed-Thru, Power Choke Inductor	Inductor	L13	Coil Craft	PVC-2-104-03	2.35	\$2.35		
9	1	R1	3.3K,5%,0805	Resistor	R1-86	ROHM	MCR10J332	0.01	\$0.01	Garrett	MCR10J332E
10	1	R2	1K,5%,0805	Resistor	R1-74	ROHM	MCR10J102	0.12	\$0.12	Garrett	MCR10J102E
11	1	U1	3A Voltage Regulator	Regulator	U57	Micrel	LM2576BU	2.25	\$2.25	Future	
12	1	PCB1	Printed Circuit Board	PCB	100528	RCM	100528	16.25	\$16.25	RCM	
13	5		Lock Washer, spl;it ring, #4, SS	Lock Washer	HW10			0.01	\$0.05	Pellmell	
14	2		Nut, hex, machine thread4-40, 1/4" span, SS	Nut	HW12			0.02	\$0.04	Pellmell	
15	3		Screw, machine thread 4-40 x 1/4", pan head, Phillips, S	Screw	HW8			0.02	\$0.06	Pellmell	
16	2		Standoff, hex, 0.5", male-female 4-40 thread	Standoff	HW30	DigiKey	8401K-ND	0.32	\$0.64		
17	1		Fabrication Drawing, Heat Sink	Heat Sink	100531	Krewsun	100531	\$10.00	\$10.00		
18	REF		Assembly Procedure, Circuit Board Assembly, DC-DC C	Procedure	100526		100526				
19	REF		Test Procedure, Circuit Board Assembly, DC-DC Conve	Procedure	100525		100525				
20	REF		Schematic Diagram, DC-DC Converter	Schematic	100527		100527				

Total Cost \$36.08