

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	Scanner	100495	SCS	100495				
1	13	C7,C14,C15,C25,C54,C55,C56,C57,C58,C59,C60,C61,C62	100PF,5%,50V,NPO,0603	Capacitor	C2C-50	Samsung	CL10C101JBNC	0.030	\$0.39	Garrett	CL10C101JBNC
2	24	C1,C4,C9,C10,C12,C13,C18,C20,C21,C23,C26,C27,C28,C33,C34,C36,C37,C38,C39,C40,C41,C42,C43,C44	100PF,5%100V,0805	Capacitor	C1C--50	Samsung	CL21C101JCNC	0.075	\$1.80	PUI	08051A101JAT2A
3	12	C2,C5,C6,C8,C11,C16,C22,C24,C29,	1UF, +80%-20%, 16V, Y5V, 0805	Capacitor	C1A-146	Samsung	CL21F105ZONE	0.050	\$0.60	Garrett	CL21F105ZONE
4	10	J0,J1,J2,J3,J4,J5,J6,J7,J8,J9	RF Edge Mount Connector	Connector	J10	Johnson Components	142-0701-871	5.000	\$50.00	Richardson	142-0701-871
5	25	L1,L2,L3,L4,L5,L6,L7,L8,L9,L10,L11,L12,L13,L14,L15, L16,L17,L18,L19,L20,L21,L22,L23,L24,L25	82nH,300mA,5%, 0805	Inductor	L12	Samsung	C1H21T82NJ	0.110	\$2.75	Stewart Marketing	C1H21T82NJ
6	1	P1	Connector, DB15M, Right Angle, PCB Mount	Connector	J11	Mouser	152-3315	0.980	\$0.98	Mouser	152-3315
7	1	PCB1	Printed Circuit Board	PCB	100520	RCM	100520	30.000	\$30.00	RCM	
8	9	Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8,Q9	NPN Transistor	Transistor	Q2	Diodes Inc.	MMBT3904	0.040	\$0.36	Future	
9	4	R10,R18,R19,R20	220, 5% , 2010	Resistor	R8-58	ROHM	MCR50J221	0.060	\$0.24	Garrett	MCR50J221
10	6	R1,R12,R13,R14,R15,R16	4.7K, 5%, 0805	Resistor	R1-90	ROHM	MCR10J472	0.020	\$0.12	Garrett	MCR10J472
11	3	R3,R8,R9	10K,5%0805	Resistor	R1-98	ROHM	MCR10J103	0.020	\$0.06	Garrett	MCR10J103
12	9	R2,R11,R17,R21,R22,R23,R24,R25, R26	100K,5%,0805	Resistor	R1-122	ROHM	MCR10J104	0.020	\$0.18	Garrett	MCR10J104
13	4	TP1,TP2,TP3,TP4	Test Point	Test Point	M16	E-Mark	02-1004	0.100	\$0.40		02-1004
14	9	U14,U15,U16,U17,U18,U19,U20,U21,U22	Low Pass Filter	Filter	U22	Soshin	GSF741-LPF0960	1.230	\$11.07	Sterling	GSF741-LPF0960
15	4	U5,U11,U12,U13	PIN Diode SP3T Switch	Switch	U23	KDI	SWX-03	8.800	\$35.20	Richardson	SWX-03
16	1	U6	Dual 2-to-4 Line Decoder	Decoder	U25	TI	SN74HCT139D	0.680	\$0.68	Future	
17	2	U4,U7	8-Channel Sink Driver	Driver	U26	Allegro Microsystems	A2595SLW	1.540	\$3.08	Newark	01F257
18	2	U3,U10	Resistor Array	Resistor Array	U27	CTS	745C101103JCT	0.280	\$0.56	Digi-Key	745C101103JCT-ND
19	3	U2,U8,U9	Tripple 3-input NOR Gate	Nor Gate	U56	TI	74HC27	0.306	\$0.92	Mouser	511-M74HC27M
20	1	U1	High Speed Comparator	Comparator	U45	National Semiconductor	LM319	0.780	\$0.78	Mouser	511-LM319D
21	REF		Assembly Procedure, Circuit Board Assembly, SP9	Procedure	100518	SCS	100518				
22	REF		Schematic Diagram, Circuit Board Assembly, SP9	Schematic	100519	SCS	100519				

Total Cost \$140.17