









Comment	Description Anten	Designator ANT1	Footprint PIN1	LibRef	Quantity
	Capacitor (Semiconductor SIM	C1, C2, C8, C12, C21,			
104	Model) Capacitor (Semiconductor SIM	C29, C30	C-0805	Cap Ceramic	
33pF	Model)	C3, C4, C16	C-0805	Cap Ceramic	
220nF	(Semiconductor SIM Model)	CS CS	C-0805	Cap Ceramic	
	Capacitor (Semiconductor SIM	_			
4.7uF	Model) Capacitor (Semiconductor SIM	06	C-0805	Cap Ceramic	
10nF	Model) Capacitor	C7	C-0805	Cap Ceramic	
2.2nF	(Semiconductor SIM Model)	C9	C-0805	Cap Ceramic	
	Capacitor (Semiconductor SIM				
Cap Ceramic	Model) Capacitor	C10	C-0805	Cap Ceramic	
1pF	(Semiconductor SIM Model)	C11	C-0402	Cap Ceramic	
4.7pF	(Semiconductor SIM Model)	C13	C-0402	Cap Ceramic	
	Capacitor (Semiconductor SIM				
22p	Model) Capacitor	C14, C15	C-0805	Cap Ceramic	
1.5pF	(Semiconductor SIM Model)	C17	C-0402	Cap Ceramic	
2.2uF	(Semiconductor SIM Model)	C18, C19, C25	C-0603	Cap Ceramic	
z.zur	(Samiconductor SIM	C10, C15, C25	00003		
2.2nF	Model) Capacitor	C20	C-0402	Cap Ceramic	
33nF	(Semiconductor SIM Model)	C22	C-0402	Cap Ceramic	
22nE	Capacitor (Semiconductor SIM Model)	C23, C24	C-0603	Cap Ceramic	
22pF	Midget Conformal Coated	us.), U24	J 4803	Celanic	
	Solid Tantalum Chip Capacitor: 1.5uF, 20% Tolerance, 15 WVDC @				
10uF	+85°C, Surge = 20V	C26, C27	C Tantalum S.A	C Tantalum S.A	
104	Capacitor (Semiconductor SIM Model)	C28	C-0603	Cap Ceramic	
104 FD	Model) Typical INFRARED GaAS	D1, D2, D4	LED-0805	LED.	
1N4007	T Amp General Purpose Rectifier	D3	1N4007 SMD	1N4007	
3.9nH	Inductor	и	1-0402	Inductor	
2.7nH 3.2nH	Inductor	L2 L3	I-0402 I-0402	Inductor	
7uH	Inductor	L4	1-0805	Inductor	
PWM .	Header, 3-Pin	P2, P7, P9, P11	HDR1X3	Header 3	
JART	Header, 4-Pin	P3	HDR1X4	Header 4	
Header 3	Header, 3-Pin	P6	HDR1X3	Header 3	
PROGRAMING	Header, 3-Pin	P12	CON3	Header 3	
	Header, 1 Pin	P13, P14, P15, P16	Drill	Header 1	
	Header, 1 Pin Header, 2-Pin	P13, P14, P15, P16 P17	Drill CON2	Header 1 Header 2	
SVDC					
SVDC inputCap	Header, 2-Pin	P17	CON2	Header 2	
SVDC inputCap	Header, 2-Pin Header, 3-Pin Header, 4-Pin Rectanguar Frick Film	P17 P18	CON2 HDR1X3	Header 2 Header 3	
Dril 5VDC InputCap InputCap	Header, 2-Pin Header, 3-Pin Header, 4-Pin Rectanguar - nick Fam Chip Resistor, 10 Ohm to 1M Ohm Range, 0.1%	P17 P18	CON2 HDR1X3	Header 2 Header 3	
SVDC inputCap inputCap	Header, 2-Pin Header, 3-Pin Header, 4-Pin Rectanguar i nick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 0.1% and 0.5% Tolerance, 1/8W	P17 P18 P19	CON2 HDR1X3 HDR1X4 R-0805	Header 2 Header 3 Header 4	
SVDC inputCap inputCap	Header, 3-Pin Header, 3-Pin Header, 4-Pin Header, 4-Pin Hectanguar rnex rnin Chip Resistor, 10 Ohmto 1M Ohm Range, 0.1% and 0.5% Tolerance, 1/8W Potentiometer Rectanguar rnex rnin Rectanguar rnex rnin Rectanguar rnex rnin	P17 P18 P19	CON2 HDR1X3 HDR1X4	Header 2 Header 3 Header 4	
SVDC inputCap inputCap	Header, 2-Pin Header, 3-Pin Header, 4-Pin Header, 4-Pin Header, 4-Pin Rectargust 1 max # m Chip Resistor, 10 Olmito 1M Chim Range, 0.1% and 0.5% Tolerance, 1/8W Potentiorneter Rectargust 1 max # m Chip Resistor, 10 Olmito Min Chim Resistor, 10 Olmito Min Min Range, 0.1%	P17 P18 P19	CON2 HDR1X3 HDR1X4 R-0805	Header 2 Header 3 Header 4	
SVDC inputCap inputCap inputCap 4.7K	Header, 2-Pin Header, 3-Pin Header, 4-Pin Kectarguar i rack ram Onip Resistor, 10 Ohm to Mit Omn Range, 0.1% and 0.5% Tolerance, 1/6W Potentiorneter Kectarguar i rack ram Onip Resistor, 10 Ohm to Mit Ohm Range, 0.1% and 0.5% Tolerance, 1/6W 1/6W 1/6W 1/6W 1/6W 1/6W 1/6W 1/6W	P17 P18 P19	CON2 HDR1X3 HDR1X4 R-0805	Header 2 Header 3 Header 4	
SVDC inputCap inputCap inputCap 4.7K	Header, 2-Fin Header, 3-Fin Header, 4-Fin Neccuriguari mask rein Nick Resistor, 10 Olym to Mil Ohm Resistor, 10 Olym to Mil Ohm Ramage, 0.1% and 0.5% Tolerance, 1/6W Potensioneter Neccuringuari mask rein Ohip Resistor, 10 Olym to Mil Ohm Ramage, 0.1% And 0.5% Tolerance, 1/6W Neccuringuari mask rein Ohip Resistor, 10 Olym to No Presistor, 10 Olym to	P17 P18 P19 R1, R2 R3, R4, R5	CON2 HDR1X3 HDR1X4 R-0805 VR5	Header 2 Header 3 Header 4 RES RPot	
SVDC rippuCap rippuCap 4.7K RPot	Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 4-Pin Recompaguar 1 ris. r v iii Chip Resistor, 10 Olem to sand 0.5% Tolerance, 1/8W Potentionreter Necularystr 1 ris. r v iii Chip Resistor, 10 Olem to and 0.5% Tolerance, 1/8W Necularystr 1 ris. r v iii Necularys	P17 P18 P19 R1, R2 R3, R4, R5	CON2 HDR1X3 HDR1X4 R-0805 VR5	Header 2 Header 3 Header 4 RES RPot	
SVDC rippuCap rippuCap 4.7K RPot	Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5	CON2 HDR1X3 HDR1X4 R-0805 VRS	Header 2 Header 3 Header 4 RES RPot	
SVDC reputCap reputCap At A TK Reput At A TK	Header, 2-Pin Header, 3-Pin Header, 4-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16	CON2 HDR1X3 HDR1X4 R-0805 R-0805	Header 2 Header 3 Header 4 RES RPot RES	
5VDC InputCap	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5	CON2 HDR1X3 HDR1X4 R-0805 VRS	Header 2 Header 3 Header 4 RES RPot	
SVDC reputCap reputCap At A TK Reput At A TK	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16	CON2 HDR1X3 HDR1X4 R-0805 R-0805	Header 2 Header 3 Header 4 RES RPot RES	
SVDC imputCap 1.7K RPot 330	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16	CON2 HDR1X3 HDR1X4 R-0805 R-0805	Header 2 Header 3 Header 4 RES RPot RES	
SVDC imputCap 1.7K RPot 330	Header, 2-Pin Header, 3-Pin Header, 4-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16	CON2 HIGRIXA HIGRIXA R-0805 VRS R-0805 R-0805	Header 2 Header 3 Header 4 RES RES RES RES	
БУЮС 170 —	Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9	CON2 HIGRIXA HIGRIXA R-0805 VRS R-0805 R-0805	Header 2 Header 3 Header 4 RES RES RES RES	
БУЮС 170 —	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16	CON2 HURTIXS HURTIX4 R-0805 R-0805 R-0805 R-0805	Header 2 Header 3 Header 4 RES RES RES RES	
SVIDC (1970) (19	Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10	CON2 HDR1X3 HDR1X4 R-0805 VR5 R-0805 R-0805 R-0805 R-0805	Header 2 Header 3 Header 4 RES RES RES RES RES	
EVDC inputCap inputCap 4.7K RPbs 3330	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9	CON2 HURTIXS HURTIX4 R-0805 R-0805 R-0805 R-0805	Header 2 Header 3 Header 4 RES RES RES RES	
SVDC (1994) (199	Header, 2-Pin Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10	CON2 HDR1X3 HDR1X4 R-0805 VR5 R-0805 R-0805 R-0805 R-0805	Header 2 Header 3 Header 4 RES RES RES RES RES	
SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDCE SVID SVIDCE	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10	CON2 HDR1X3 HDR1X4 R-0805 VR5 R-0805 R-0805 R-0805 R-0805	Header 2 Header 3 Header 4 RES RES RES RES RES	
SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDCE SVID SVIDCE	Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10 R11	CORC WHORKS WHORKS R-0805	Heeder 2 Heeder 3 Heeder 4 Heeder 3 Heeder 4 RES RES RES RES RES RES	
90 PV	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10 R11	CORC WHORKS WHORKS R-0805	Heeder 2 Heeder 3 Heeder 4 Heeder 3 Heeder 4 RES RES RES RES RES RES	
90 PV	Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10 R11	CORC WORTH	Heeder 2 Heeder 3 Heeder 4 RES RES RES RES RES RES RES RES	
POPUTO CONTROL	Header, 2-Pin Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10 R11	CORC WORTH WORTH WORTH R-0805	Hender 2 Hender 3 Hender 4 RES RES RES RES RES RES RES RES RES	
SVICC (1994) (19	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10 R11 R12 R13 R14 R15	CONC HURRIYAS HURRIYAS HURRIYAS HURRIYAS R-0805 R-0805 R-0805 R-0805 R-0805 R-0805 R-0805 R-0805 R-0805	Header 2 Header 3 Header 4 RES	
DVDC	Header, 2-Pin Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10 R11 R12 R13 R14 R15 S1, S2 S51	CONC HURRIYA HURRIYA HURRIYA HURRIYA RO805	Header 2 Header 3 Header 4 Header 4 RES	
SVICE SVICE STATE	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R10 R11 R12 R13 R14 R15 S15, S2 S881 U1	CORC CO	Hender 2 Hender 3 Hender 4 RES	
SVIDC (1970) (19	Header, 2-Pin Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10 R11 R12 R13 R14 R15 S1, S2 S51	CONC HURRIYA HURRIYA HURRIYA HURRIYA RO805	Header 2 Header 3 Header 4 Header 4 RES	
SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVIDC SVID SVID SVID SVID SVID SVID SVID SVID	Header, 2-Pin Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R10 R11 R12 R13 R14 R15 S15, S2 S881 U1	CORC CO	Hender 2 Hender 3 Hender 4 RES	
SVICC (1994) (19	Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 P19 P1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10 R11 R12 R13 R14 R15 S1, S2 SS1 U1 U2	CONC HORRIXA HORIXA HORIXA HORIXA HORIXA R-0805 VRS R-0805	Header 2 Header 3 Header 4 RES	
SVICE SV	Header, 2-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R10 R11 R12 R13 R14 R15 S15, S2 S881 U1	CORC CO	Hender 2 Hender 3 Hender 4 RES	
SYNCC SYNCE SYNCE	Header, 2-Pin Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R9 R10 R11 R12 R13 R14 R15 S1, S2 S81 U1 U2	CONC HORE HO	Heeder 2 Heeder 3 Heeder 4 RES	
SVICE SVICE STATE	Header, 2-Pin Header, 2-Pin Header, 3-Pin Header, 3-Pin Header, 3-Pin Header, 4-Pin He	P17 P18 P19 R1, R2 R3, R4, R5 R6 R7, R8, R16 R7 R10 R11 R11 R12 R13 R14 R15 S1, S2 S81 U1 U2	CORC HORIXA R-0805 R-080	Hender 2	