

Standard Reliability Prediction Report

Part Number System
Reference Des
Date 1/28/2002
Environment GB, GC - Ground Benign,
Temperature 30.00



Description Top-level assembly
File Name sena tech-2.RPJ
Time 5:01 PM
Failure Rate 13.192129
MTBF 75,803

Assembly Name	Part Number	Ref Des	Qty	Failure Rate	MTBF
ps400	System		1.00	13.192129	75,803

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Part Number	Category	Subcategory	Description	Quantity	Failure Rate
SIPEX310ACT	Integrated Circuit	Linear	RS232	1.00	1.286455
39SF020-55-4C-WH	Integrated Circuit	Memory	FLASH	2.00	0.011430
BS62LV1025SC55	Integrated Circuit	Memory	SRAM	1.00	0.005715
XC61AN16(SOT23)	Integrated Circuit	Logic, CGA	LOW	1.00	0.003120
XC61AC46(SOT23)	Integrated Circuit	Logic, CGA	LOW	1.00	0.003120
FDV302P (SOT23)	Semiconductor	Si FET	FET	2.00	0.018690
RTL8019AS	Other	User	ETHERNE-	1.00	0.000000
RABBIT 2000	Integrated Circuit	Microproce-	MICRO	1.00	0.015281
SM8578BV	Integrated Circuit	Logic, CGA	REAL	1.00	0.003120
AT93C46C-10S	Integrated Circuit	EEPROM	EEPROM	1.00	0.018256
MC74HC574ADW	Integrated Circuit	Logic, CGA	TTL(LATC -	3.00	0.174861
LM2575M-5.0	Integrated Circuit	Linear	REGULA-	1.00	0.055696
SP213ECA	Integrated Circuit	Linear	RS232	4.00	0.162751
SP485CN	Integrated Circuit	Linear	RS485	8.00	10.003241
XF10BASE-COMBO1-- 4S	Semiconductor	Transistor	RJ45 JACK	1.00	0.000096
29.4912MHz (DIP)	Other	User	X-TAL	1.00	0.000000
20MHz (DIP)	Semiconductor	Transistor	X-TAL	1.00	0.000096
32.768KHz (SMD)	Other	User	X-TAL	1.00	0.000000
2N7002	Semiconductor	Si FET	N-Channel	1.00	0.152315
MMBT3904	Semiconductor	Transistor	Small	2.00	0.002122
1N4733	Semiconductor	Diode	ZENNER	1.00	0.043107
1N5819	Semiconductor	Diode	Axial Lead	7.00	0.057611
1N914	Semiconductor	Diode	Diode,	1.00	0.010425
FCI 2012-R10K (SMD2012)	Inductor	Coil	FERRITE	6.00	0.000193
330uH 1A	Inductor	Coil	INDUCTO-	1.00	0.000032
ITA-1102V-A	Switching Device	Toggle or	SWITCH(1.00	0.100391
POWER SWITCH	Switching Device	Toggle or	SWITCH(1.00	0.100391
5V (2.0)	Connection	General	DC JACK	2.00	0.002188
	Other	User	POWER	1.00	0.000000
2*1(GREEN,GREEN)/- SEC-0122	Semiconductor	Detector,	LED	4.00	0.001074
2*1(GREEN,BLANK)/S- EC-0120	Semiconductor	Detector,	LED	2.00	0.012838
2*1(RED,BLANK)/SEC- -0110	Semiconductor	Detector,	LED	1.00	0.006419
D-SUB 9 (MALE)	Connection	General	SERIAL	5.00	0.005471
CR2023/200mA	Miscellaneous	Battery	BATTERY	1.00	0.000000
COIN TYPE(CR2032)	Other	User	BATTERY	1.00	0.000000
0 Ohm	Resistor	Film (RL,	RESISTOR -	3.00	0.010974
0 Ohm	Resistor	Film (RL,	RESISTOR -	2.00	0.007316
100 Ohm	Resistor	Film (RL,	RESISTOR -	3.00	0.010974
200 Ohm	Resistor	Film (RL,	RESISTOR -	1.00	0.003658
330 Ohm	Resistor	Film (RL,	RESISTOR -	1.00	0.005024
470 Ohm	Resistor	Film (RL,	RESISTOR -	2.00	0.002904
660 Ohm	Resistor	Film (RL,	RESISTOR -	9.00	0.492994
1K	Resistor	Film (RL,	RESISTOR -	1.00	0.003658
4.7K	Resistor	Film (RL,	RESISTOR -	1.00	0.003658
10k	Resistor	Film (RL,	RESISTOR -	9.00	0.032922
22K	Resistor	Film (RL,	RESISTOR -	1.00	0.003658
47K	Resistor	Film (RL,	RESISTOR -	42.00	0.153637

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300K	Resistor	Film (RL,	RESISTOR -	1.00	0.003695
1M	Resistor	Film (RL,	RESISTOR -	2.00	0.007316
10pF	Capacitor	General	CAPACIT-	34.00	0.058156
15pF	Capacitor	General	CAPACIT-	1.00	0.001710
24pF	Capacitor	General	CAPACIT-	2.00	0.003421
33pF	Capacitor	General	CAPACIT-	2.00	0.003421
2200pF	Capacitor	General	CAPACIT-	2.00	0.003421
10nF(103)	Capacitor	General	CAPACIT-	1.00	0.001710
100nF(104)	Capacitor	General	CAPACIT-	54.00	0.092365
1uF(105)	Capacitor	General	CAPACIT-	1.00	0.001710
10nF(103)/1KV	Capacitor	Chip,	HIGH	4.00	0.013822
330uF/16V (DIP)	Capacitor	Chip, Elec	ELECTRIC	1.00	0.000136
100UF/50V(DIP)	Capacitor	Chip, Elec	ELECTRIC	1.00	0.000136
1uF/16V(TC7343)	Capacitor	Solid, Elec,	TANTAL	3.00	0.013228