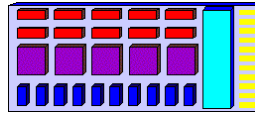


Standard Reliability Prediction Report

Part Number HE-HP2-V1-R1
Reference Des
Date June 7, 2004
Environment GB, GC - Ground Benign, Controlled
Temperature 30.00

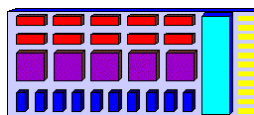


Description Top-level assembly
File Name HE-HP2.RPJ
Time 11:32 AM
Failure Rate 4.972255
MTBF 201,116

Assembly Name	Part Number	Ref Des	Qty	Failure Rate	MTBF
HE-HP2	HE-HP2-V1-R1		1.00	4.972255	201,116

Standard Reliability Prediction Report

Part Number HE-HP2-V1-R1
Reference Des
Date June 7, 2004
Environment GB, GC - Ground Benign, Controlled
Temperature 30.00

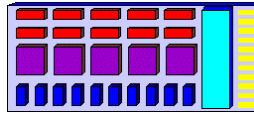


Description Top-level assembly
File Name HE-HP2.RPJ
Time 11:32 AM
Failure Rate 4.972255
MTBF 201,116

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
CAP-1206-0.1U	Capacitor	C27	0.013062	1.00	0.013062
CAP-0805-0.1U	Capacitor	C11,C12,C14,C15	0.013062	4.00	0.052249
CAP-0805-100P	Capacitor	C35	0.007015	1.00	0.007015
CAP-0805-1N	Capacitor	C24,C28	0.008630	2.00	0.017260
CAP-0805-330P	Capacitor	C21,23,25	0.007811	3.00	0.023432
CAP-1206-1U	Capacitor	C20,13,29,30	0.032465	4.00	0.129860
CAP-D-4U7	Capacitor	C6,8,22,26	0.008183	4.00	0.032730
DIODE-SI-UMELF	Semiconductor	D11,43,8,41,7,9,44,-45,46	0.020765	9.00	0.186884
DIODE-SMB-60V	Semiconductor	D1,2,3,4,14,15,16,17-,18,19,20,21,22,39,40	0.001895	15.00	0.028431
FET-DPAK-N	Semiconductor	Q1,2,12,13,3,8	0.186219	6.00	1.117312
FET-P-N-COMP	Semiconductor	Q7	0.434560	1.00	0.434560
FET-SO8-0.01R	Semiconductor	Q16	0.435187	1.00	0.435187
FET-SO8-P-.017	Semiconductor	Q17	0.435187	1.00	0.435187
FET-SOT23-N	Semiconductor	Q5,9	0.152315	2.00	0.304631
FUSE-SMF-10A	Miscellaneous	F1,F2	0.010000	2.00	0.020000
LED-SV-GRN	Semiconductor	LED1,2	0.001476	2.00	0.002953
OPTO-SO8-DUAL	Semiconductor	IC5	0.109121	1.00	0.109121
PCB-HE-HP2-V1	Connection	~	0.034000	1.00	0.034000
RES-0805-100R	Resistor	R4,5,6,7,11,14,15,16	0.016257	8.00	0.130057
RES-0805-10K0	Resistor	R3,17,9,12,18	0.016257	5.00	0.081285
RES-0805-130K	Resistor	R32	0.016257	1.00	0.016257
RES-0805-15K0	Resistor	R30	0.016257	1.00	0.016257
RES-0805-18K0	Resistor	R23,27	0.016257	2.00	0.032514
RES-0805-1K00	Resistor	R8,10,26	0.016257	3.00	0.048771
RES-0805-1K21	Resistor	R21	0.016257	1.00	0.016257
RES-0805-392R	Resistor	R13	0.016257	1.00	0.016257
RES-SL1-010	Resistor	R2,19	0.003658	2.00	0.007316
RES-SL1-020	Resistor	R37	0.003658	1.00	0.003658
RES-SL1-050	Resistor	R1,20	0.003658	2.00	0.007316
TR-SOT23-NPN	Semiconductor	Q6,Q11	0.001289	2.00	0.002579
TR-SOT23-PNP	Semiconductor	Q4,Q10	0.000096	2.00	0.000191
VR-LTC1159CS-5	Integrated Circuit	IC1,IC2	0.003939	2.00	0.007878
VR-LTC1266CS	Integrated Circuit	IC4	0.003142	1.00	0.003142
DIODE-SOT23-SINGLE1	Semiconductor	Z1	0.036266	1.00	0.036266
XORB-SMCJ43CA	Semiconductor	D28,29,30,31,32,33	0.000096	6.00	0.000573
CAP-OSCN-180U	Capacitor	C36,37	0.005614	2.00	0.011229
CAP-OSCN-33U	Capacitor	C2-5,16-19	0.003801	8.00	0.030404
CAP-OSCN-680U	Capacitor	C9,10,31,32	0.007622	4.00	0.030488
CAP-RAD-330U	Capacitor	C1,C7	0.006454	2.00	0.012909
CON-PCB-4POS-0.156	Connection	CN1,6	0.005200	1.00	0.005200
CON-PLUG4-MOLEX.156	Connection	Mate with CN1,6	0.248000	1.00	0.248000
CON-PCB-RA4-3.5	Connection	CN7	0.005200	1.00	0.005200
CON-PLUG4-3.5	Connection	Mate with CN7	0.248000	1.00	0.248000
CON-PCB-RA9-3.5	Connection	CN2-4	0.011700	1.00	0.011700
CON-PLUG9-3.5	Connection	Mate with CN2-4	0.558000	1.00	0.558000
TOR-5A-H-10U	Inductor	L2,5	0.000097	2.00	0.000193

Standard Reliability Prediction Report

Part Number HE-HP2-V1-R1
Reference Des
Date June 7, 2004
Environment GB, GC - Ground Benign, Controlled
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Description Top-level assembly
File Name HE-HP2.RPJ
Time 11:32 AM
Failure Rate 4.972255
MTBF 201,116

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
TOR-5A-H-50U	Inductor	L1,3,4,6,7	0.000097	5.00	0.000483