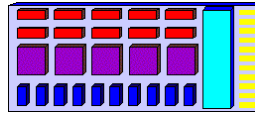


**Standard Reliability Prediction Report**

**Part Number** HEBC-V1-R1  
**Reference Des**  
**Date** June 10, 2004  
**Environment** GB, GC - Ground Benign, Controlled  
**Temperature** 30.00

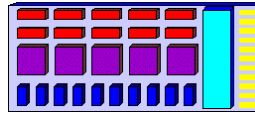


**Description** Top-level assembly  
**File Name** HEBC.RPJ  
**Time** 4:26 PM  
**Failure Rate** 1.370430  
**MTBF** 729,698

Assembly Name	Part Number	Ref Des	Qty	Failure Rate	MTBF
HEBC	HEBC-V1-R1		1.00	1.370430	729,698

**Standard Reliability Prediction Report**

**Part Number** HEBC-V1-R1  
**Reference Des**  
**Date** June 10, 2004  
**Environment** GB, GC - Ground Benign, Controlled  
**Temperature** 30.00



**Description** Top-level assembly  
**File Name** HEBC.RPJ  
**Time** 4:26 PM  
**Failure Rate** 1.370430  
**MTBF** 729,698

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
CAP-0805-.22U	Capacitor	C13	0.014023	1.00	0.014023
CAP-0805-0.1U	Capacitor	C1,C3,C8,C12,C15,- C16,C18,C19,C20,C- 21,C22,C23,C24,C2- 5,C26	0.013062	15.00	0.195935
CAP-0805-100P	Capacitor	C2,C7,C11	0.007015	1.00	0.007015
CAP-0805-1N	Capacitor	C14	0.008630	1.00	0.008630
CAP-0805-2U2	Capacitor	C10	0.017252	1.00	0.017252
CAP-0805-4N7	Capacitor	C9	0.009920	1.00	0.009920
CAP-D-47U	Capacitor	C17	0.028861	1.00	0.028861
CAP-D-4U7	Capacitor	C27	0.008183	1.00	0.008183
DIODE-SI-UMELF	Semiconductor	D6	0.020765	1.00	0.020765
DIODE-SMB-60V	Semiconductor	D1,D2,D3,D4	0.001895	4.00	0.007582
FET-DPAK-P	Semiconductor	Q3	0.151439	1.00	0.151439
FET-SOT23-J-PCH	Semiconductor	Q1	0.057118	1.00	0.057118
IC-LT1620CS8	Integrated Circuit	IC1	0.051008	1.00	0.051008
IC-PIC16F876-04/SO	Integrated Circuit	IC4	0.226486	1.00	0.226486
IC-SP232AEN	Integrated Circuit	IC3	0.054568	1.00	0.054568
LED-SV-GRN	Semiconductor	LED1,LED2	0.001476	2.00	0.002953
OSC-SMD-4.0RES	Miscellaneous	XTAL1	0.038000	1.00	0.038000
PCB-HEBC	Connection		0.054400	1.00	0.054400
RES-0805-100K	Resistor	R10	0.016257	1.00	0.016257
RES-0805-10K0	Resistor	R22	0.016257	1.00	0.016257
RES-0805-130K	Resistor	R13	0.016257	1.00	0.016257
RES-0805-15K0	Resistor	R1	0.016257	1.00	0.016257
RES-0805-191K	Resistor	R7	0.016257	1.00	0.016257
RES-0805-1K00	Resistor	R11	0.016257	1.00	0.016257
RES-0805-20K	Resistor	R3,R4,R5,R18	0.016257	4.00	0.065028
RES-0805-243K	Resistor	R17	0.016257	1.00	0.016257
RES-0805-392R	Resistor	R20,R21	0.016257	2.00	0.032514
RES-0805-3K32	Resistor	R19	0.016257	1.00	0.016257
RES-0805-47K5	Resistor	R6,R8	0.016257	2.00	0.032514
RES-0805-49K9	Resistor	R14,R15	0.016257	2.00	0.032514
RES-0805-4K99	Resistor	R16	0.016257	1.00	0.016257
RES-0805-78K7	Resistor	R2	0.016257	1.00	0.016257
RES-SL1-017	Resistor	R9	0.003658	1.00	0.003658
VR-LTC1149CS	Integrated Circuit	IC2	0.003939	1.00	0.003939
VR-SO-78L05	Integrated Circuit	Q2	0.053343	1.00	0.053343
CAP-OSCN-180U	Capacitor	C4	0.005614	1.00	0.005614
CAP-OSCN-33U	Capacitor	C5,6	0.003801	2.00	0.007601
CON-PCB-2POS-0.156-RA	Connection	CN2	0.002600	1.00	0.002600
CON-PCB-5POS-0.156-RA	Connection	CN1	0.006500	1.00	0.006500
CON-PIN-0.1-6POS	Connection		0.007800	1.00	0.007800
TOR-5A-50U	Inductor	L1	0.000097	1.00	0.000097