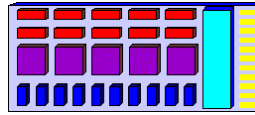


**Standard Reliability Prediction Report**

**Part Number** System  
**Reference Des**  
**Date** May 20, 2004  
**Environment** GB, GC - Ground Benign, Controlled  
**Temperature** 30.00

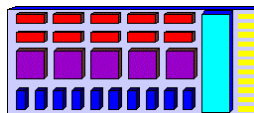


**Description** Top-level assembly  
**File Name** IR104\_32\_75.RPJ  
**Time** 11:26 AM  
**Failure Rate** 17.445784  
**MTBF** 57,320

| Assembly Name | Part Number | Ref Des | Qty  | Failure Rate | MTBF   |
|---------------|-------------|---------|------|--------------|--------|
| IR104-32      | System      |         | 1.00 | 17.445784    | 57,320 |

**Standard Reliability Prediction Report**

**Part Number** System  
**Reference Des**  
**Date** May 20, 2004  
**Environment** GB, GC - Ground Benign, Controlled  
**Temperature** 30.00



**Description** Top-level assembly  
**File Name** IR104\_32\_75.RPJ  
**Time** 11:26 AM  
**Failure Rate** 17.445784  
**MTBF** 57,320

| Part Number        | Category           | Ref Des | Failure Rate, Unit | Quantity | Failure Rate |
|--------------------|--------------------|---------|--------------------|----------|--------------|
| CAP-0805-0.1U      | Capacitor          | C1-20   | 0.013062           | 20.00    | 0.261246     |
| CAP-1206-1U        | Capacitor          | C21,22  | 0.032465           | 2.00     | 0.064930     |
| CAP-D-100U         | Capacitor          | C23,25  | 0.041964           | 2.00     | 0.083928     |
| CAP-D-100U-16V     | Capacitor          | C24     | 0.034334           | 1.00     | 0.034334     |
| CON-PC104-16-SR    | Connection         | J2      | 0.052000           | 1.00     | 0.052000     |
| CON-PC104-8        | Connection         | J1      | 0.083200           | 1.00     | 0.083200     |
| CON-PCB-RA20-3.5   | Connection         | CN1,2   | 0.000300           | 2.00     | 0.000600     |
| CON-PIN-0.1-40-RA  | Connection         | CN4     | 0.000600           | 1.00     | 0.000600     |
| CON-PLUG20-3.5     | Connection         | CN1,2   | 1.240000           | 2.00     | 2.480000     |
| DIODE-SMA-40V      | Semiconductor      | D1-20   | 0.008230           | 20.00    | 0.164603     |
| FET-SOT23-N        | Semiconductor      | Q1-20   | 0.151877           | 20.00    | 3.037537     |
| IC-ISPLSI2096-80LT | Integrated Circuit | IC1     | 0.117472           | 1.00     | 0.117472     |
| OPTO-SO8-DUAL      | Semiconductor      | IC2-11  | 0.109121           | 10.00    | 1.091209     |
| PCB-IR104-V02      | Connection         | ~       | 0.017000           | 1.00     | 0.017000     |
| RES-1206-20K       | Resistor           | R1-40   | 0.021303           | 40.00    | 0.852126     |
| RLY-5A-SPST-5VDC   | Relay              | RLY1-20 | 0.455250           | 20.00    | 9.104999     |