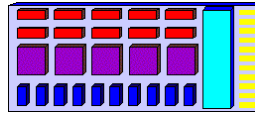


Standard Reliability Prediction Report

Part Number TMZ104-V2.0
Reference Des CPU1
Date May 20, 2004
Environment GB, GC - Ground Benign, Controlled
Temperature 30.00

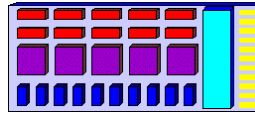


Description Top-level assembly
File Name TMZ104-V20.RPJ
Time 9:52 AM
Failure Rate 4.813819
MTBF 207,735

Assembly Name	Part Number	Ref Des	Qty	Failure Rate	MTBF
TMZ104-V2.0	TMZ104-V2.0	CPU1	1.00	4.813819	207,735

Standard Reliability Prediction Report

Part Number TMZ104-V2.0
Reference Des CPU1
Date May 20, 2004
Environment GB, GC - Ground Benign, Controlled
Temperature 30.00

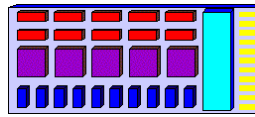


Description Top-level assembly
File Name TMZ104-V20.RPJ
Time 9:52 AM
Failure Rate 4.813819
MTBF 207,735

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
CAP-0603-0.1U	Capacitor	C9,10,12,13,14,15,2-1,23,32,44,45,46,47-,54,55,56,57,58,59,-60,61,62,63,64,82,119,120,121	0.013062	28.00	0.365745
CAP-0603-1U	Capacitor	C94	0.016070	1.00	0.016070
CAP-0603-220PF	Capacitor	C66,67,68,69,70,71,-72,73,74,75,76,77,7-8,79,80, 81	0.007531	16.00	0.120492
CAP-0603-20P	Capacitor	C144,145	0.006069	2.00	0.012138
CAP-0603-390P	Capacitor	C24	0.007929	1.00	0.007929
CAP-0805-10U	Capacitor	C3,4,11,17,18,19,25-,26,27,65,83	0.019771	11.00	0.217477
CAP-0805-10U-B	Capacitor	C28,86,87,88,89,90,-91,92	0.019771	8.00	0.158165
CAP-0805-1.0U	Capacitor	C36,37,38,39,40,41,-42,43,48,49,50,51,5-2,53	0.016070	14.00	0.224982
CAP-1206-22U	Capacitor	C2,100	0.042878	2.00	0.085756
CAP-POSCAP_D-330U/6-V3	Capacitor	C22	0.045184	1.00	0.045184
CAP-POSCAP_D-470U/2-V5	Capacitor	C20	0.018153	1.00	0.018153
CAP-B-TANT-100U	Capacitor	C1,16	0.016531	2.00	0.033063
CAP-B-TANT-22U	Capacitor	C102	0.008977	1.00	0.008977
CON-EDGE-20	Connection	CN8,9	0.026000	1.00	0.026000
CON-EDGE-26	Connection	CN5,7	0.033800	2.00	0.067600
CON-EDGE-34	Connection	CN6	0.044200	1.00	0.044200
CON-EDGE-40	Connection	CN12	0.052000	1.00	0.052000
CON-PIN2-2MM	Connection	JP4	0.002600	1.00	0.002600
CON-PIN3-2MM	Connection	JP1,5	0.003900	2.00	0.007800
CON-RA30-0.5MM	Connection	J1	0.000002	1.00	0.000002
CON-SO-DIMM144	Connection	CN15	0.043766	1.00	0.043766
DIODE-SI-UMELF	Semiconductor	D1,12,13,30	0.020765	4.00	0.083059
FERRITE-0805-100R	Inductor	F4,6	0.000097	2.00	0.000193
FERRITE-0805-39R	Inductor	F1,2,3,5,7,8,10	0.000097	7.00	0.000676
FET-SOT23-N	Semiconductor	Q6	0.152315	1.00	0.152315
IC-74HC(T)2G00	Integrated Circuit	IC24,26	0.039189	2.00	0.078379
IC-74HC(T)2G02	Integrated Circuit	IC25	0.039189	1.00	0.039189
IC-74HC(T)2G32	Integrated Circuit	IC27	0.039189	1.00	0.039189
IC-74LVC1G04	Integrated Circuit	IC7	0.048490	1.00	0.048490
IC-AAT4625	Semiconductor	IC1	0.036266	1.00	0.036266
VR-FAN1537A	Integrated Circuit	IC6	0.049300	1.00	0.049300
FET-FDR8308P	Semiconductor	IC3	0.434560	1.00	0.434560
FET-FDS6898A	Semiconductor	Q2	0.434560	1.00	0.434560
IC-ICS9248-192	Integrated Circuit	U1	0.003120	1.00	0.003120
IC-KBMF01SC6	Semiconductor	U2,3	0.000096	2.00	0.000191
VR-MAX1953	Integrated Circuit	IC5	0.024680	1.00	0.024680
IC-MAX6358TY	Integrated Circuit	IC2	0.007240	1.00	0.007240
IC-SP213CA	Integrated Circuit	IC12,13	0.084869	2.00	0.169738

Standard Reliability Prediction Report

Part Number TMZ104-V2.0
Reference Des CPU1
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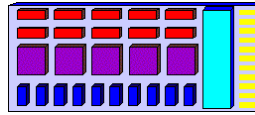


Description Top-level assembly
File Name TMZ104-V20.RPJ
Time 9:52 AM
Failure Rate 4.813819
MTBF 207,735

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
IC-ST1284-01A8	Semiconductor	U4	0.000096	1.00	0.000096
IC-TM5500-667	Integrated Circuit	IC20	0.070000	1.00	0.070000
IC-USBDF01W5	Semiconductor	U5	0.000096	1.00	0.000096
IC-VT82C686B	Integrated Circuit	IC21	0.045310	1.00	0.045310
MEM-FLASH16-TSSOP40	Integrated Circuit	IC19	0.004458	1.00	0.004458
OSC-14.31818MHZ	Miscellaneous	XTAL1 (SUNTSU:SCD18A-48-14.31818MHz)	0.050352	1.00	0.050352
OSC-32K768	Miscellaneous	XTAL2	0.012457	1.00	0.012457
PCB-TMZ104-V2.0	Connection	PCB1	0.081600	1.00	0.081600
RES-0603-0R0	Resistor	R56, 149, 152, 153	0.003658	4.00	0.014632
RES-0603-100R	Resistor	R85	0.014902	1.00	0.014902
RES-0603-10K0	Resistor	R44,54,64,66,87,151	0.014902	6.00	0.089413
RES-0603-10R	Resistor	R95,99	0.014902	2.00	0.029804
RES-0603-12K	Resistor	R102	0.014902	1.00	0.014902
RES-0603-18K7	Resistor	R96	0.014902	1.00	0.014902
RES-0603-1K0	Resistor	R57,70,71,81,90,100	0.014902	6.00	0.089413
RES-0603-1K2	Resistor	R47,59	0.014902	2.00	0.029804
RES-0603-1M0	Resistor	R58,154	0.014902	2.00	0.029804
RES-0603-200R	Resistor	R104	0.014902	1.00	0.014902
RES-0603-22R0	Resistor	R49,92,103	0.014902	3.00	0.044706
RES-0603-23K	Resistor	R69	0.014902	1.00	0.014902
RES-0603-23K2	Resistor	R98	0.014902	1.00	0.014902
RES-0603-2K05	Resistor	R97	0.014902	1.00	0.014902
RES-0603-2K15	Resistor	R3	0.014902	1.00	0.014902
RES-0603-2K8	Resistor	R4	0.014902	1.00	0.014902
RES-0603-33R	Resistor	R5,50	0.014902	2.00	0.029804
RES-0603-3K6	Resistor	R89	0.014902	1.00	0.014902
RES-0603-470R	Resistor	R78	0.014902	1.00	0.014902
RES-0603-4K7	Resistor	R17,30,51,52,77	0.014902	5.00	0.074510
RES-0603-500K	Resistor	R91,94	0.014902	2.00	0.029804
RES-0603-5K6	Resistor	R83	0.014902	1.00	0.014902
RES-0603-7K8	Resistor	R88	0.014902	1.00	0.014902
RES-PAK4-10K	Resistor	R1,6,7,9,10,11,12,13,- ,14,15,18,19,20,40,- 41,60,67 ,86,101	0.004946	19.00	0.093982
RES-PAK4-15K	Resistor	R84	0.004946	1.00	0.004946
RES-PAK4-1K0	Resistor	R39,61	0.004946	2.00	0.009893
RES-PAK4-220R	Resistor	R16	0.004946	1.00	0.004946
RES-PAK4-22R	Resistor	R73	0.004946	1.00	0.004946
RES-PAK4-2K7	Resistor	R2,42,43	0.004946	3.00	0.014839
RES-PAK4-330R	Resistor	R38	0.004946	1.00	0.004946
RES-PAK4-33R	Resistor	R72,93,110,111,112,- ,113,114	0.004946	7.00	0.034625
RES-PAK4-3K3	Resistor	R55	0.004946	1.00	0.004946
RES-PAK4-470R	Resistor	R62	0.004946	1.00	0.004946
RES-PAK4-4K7	Resistor	R21,22,23,24,25,26,- 27,28,29,31,32,33,3- 4,35,36 ,37,46,63	0.004946	18.00	0.089035

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Description Top-level assembly
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Time 9:52 AM
Failure Rate 4.813819
MTBF 207,735

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
TOR-D73C-1.0UH	Inductor	L2	0.000097	1.00	0.000097
TR-SOT23-NPN	Semiconductor	Q1	0.001289	1.00	0.001289
CON-PC104-16PF	Connection	CN13	0.052000	1.00	0.052000
CON-PC104-8PF	Connection	CN14	0.276120	1.00	0.276120
CON-SOC16-STRIP-PF	Integrated Circuit	IC23	0.002768	2.00	0.005535
TERM-2-3.5MM	Connection	CN4	0.126600	1.00	0.126600
CON-COINBAT-HLDR	Connection	BAT1	0.001094	1.00	0.001094