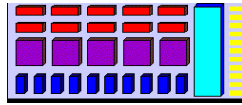


Standard Reliability Prediction Report

Part Number 27310100
Reference Des
Date June 15, 2013
Environment GB, GC - Ground Benign, Controlled
Temperature 55.00

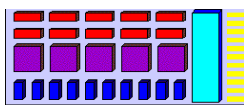


Description Threshold Detector
File Name Module 2 6-15-13.RPJ
Time 10:41 PM
Failure Rate 0.496524
MTBF 2,014,002

Assembly Name	Part Number	Ref Des	Qty	Failure Rate	MTBF
TD-30T-SHS-218-30DBAMP	27310100		1.00	0.496524	2,014,002
Driver Board	27310105		1.00	0.246746	4,052,748
PE2-40-0R218-5R0-12-SFF-TC	27303420		1.00	0.217309	4,601,741

Standard Reliability Prediction Report

Part Number 27310100
Reference Des
Date June 15, 2013
Environment GB, GC - Ground Benign, Controlled
Temperature 55.00

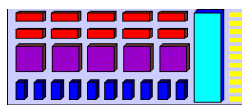


Description Top-level assembly
File Name Module 2 6-15-13.RPJ
Time 10:41 PM
Failure Rate 0.496524
MTBF 2,014,002

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
26610103-B	Connection		4.485118e-007	1.00	4.485118e-007
PL25-008	Capacitor	C1	0.003037	1.00	0.003037
PM45-059	Semiconductor	D1	0.004824	1.00	0.004824
PL30-025	Inductor	L1	0.000045	1.00	0.000045
PL80-098	Connection	J1	0.000523	1.00	0.000523
PL80-098	Connection	J2	0.000523	1.00	0.000523
PL75-100	Resistor		0.000836	2.00	0.001672
PL75-105	Capacitor		0.009599	2.00	0.019199
PL184-350	Resistor	TP1	0.001602	1.00	0.001602
PL80-099	Connection		0.000523	2.00	0.001045

Standard Reliability Prediction Report

Part Number 27310105
Reference Des
Date June 15, 2013
Environment GB, GC - Ground Benign, Controlled
Temperature 55.00

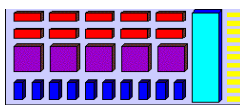


Description
File Name Module 2 6-15-13.RPJ
Time 10:41 PM
Failure Rate 0.246746
MTBF 4,052,748

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
PL184-XXX	Resistor		0.000647	20.00	0.012942
PL183414-XXX	Resistor	R3,7	0.000647	2.00	0.001294
26810106	Connection		2.213909e-008	1.00	2.213909e-008
PL55-567	Integrated Circuit	U7	0.015327	1.00	0.015327
PL25-253	Capacitor		0.006362	15.00	0.095430
PL25-527	Capacitor		0.000080	5.00	0.000402
PL25-550	Capacitor		0.005171	5.00	0.025856
PL25-553	Capacitor	C100	0.005171	1.00	0.005171
PL45-010	Semiconductor	D1,2	0.000482	2.00	0.000964
PL55-540	Integrated Circuit	U1,2	0.014893	2.00	0.029786
PL55-541	Integrated Circuit	U3	0.014893	1.00	0.014893
PL55-563	Integrated Circuit	U5,6,8	0.014893	3.00	0.044680

Standard Reliability Prediction Report

Part Number 27303420
Reference Des
Date June 15, 2013
Environment GB, GC - Ground Benign, Controlled
Temperature 55.00



Description
File Name Module 2 6-15-13.RPJ
Time 10:41 PM
Failure Rate 0.217309
MTBF 4,601,741

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
PL55-328	Semiconductor	D1	0.000545	1.00	0.000545
AMC45-105	Semiconductor	D2-4	0.000430	4.00	0.001722
PL184-395	Resistor	R1	0.007268	1.00	0.007268
PL184-394	Resistor	R2-4	0.007268	3.00	0.021804
PL55-135	Integrated Circuit	U1	0.014893	1.00	0.014893
PL55-397	Integrated Circuit	U2-4	0.014893	2.00	0.029786
PL25-270	Capacitor	C1	0.007827	1.00	0.007827
PL25-500	Capacitor	C2-4	0.007827	3.00	0.023481
PL25-253	Capacitor	C5-9	0.006362	5.00	0.031810
PL25-214	Capacitor	C10-16	0.004360	7.00	0.030517
PL25-105	Capacitor	C17-22,27	0.003417	7.00	0.023916
PL25-256	Capacitor	C23-25	0.004360	3.00	0.013079
PL25-168	Capacitor	C28,29	0.004360	2.00	0.008719
PL184-XXX	Resistor	R5,6,7	0.000647	3.00	0.001941