

**DFI®**

<b>MTBF (hrs):</b>	222,089
<b>Failure Rate:</b>	4502.70
<b>Temperature:</b>	55
<b>Environment:</b>	GB, GC - Ground Benign, Controlled

Assembly Name	Part Number	Quantity	Failure Rate (Fit)	MTBF (Hrs)
BW051	774-BW0511-000G	1	4502.70	222,089

**File Name:** BW051\_021.rfp  
**Assembly:** 774-BW0511-000G  
**Ref Des:**  
**Calculation Model:** Telcordia Issue 2



**MTBF (hrs):** 222,089  
**Failure Rate:** 4502.6999  
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Part Number	Description	Unit Failure Rate	Quantity	Total Failure Rate
113-500007-210S	IC TTL,Single Buffer/Driver,SN74LVC1G07DCKR/SC70(TI)	36.1269	1	54.3414
113-500008-210G	IC TTL,Single 2-Input Positive-AND Gate,SN74LVC1G08DCKR/SC70(TI)RoHS	36.1269	1	54.3414
113-500014-210S	IC TTL,Single Schmitt-Trigger Inverter Gate,SN74AHC1G14DBVR/SOT235P(TI)	36.1269	1	54.3414
113-833306-400G	IC TTL,Dual FET Bus Switch,SN74CB3Q3306ADCUR/VSSOP8(US8-DCU)(TI)RoHS	36.1269	2	97.8214
113-906408-400G	IC LOW-VOLTAGE 8-BIT I2C AND SMBus I/O EXPANDER, µQFN16, TCA6408ARSVR(TI)RoHS	36.1269	1	54.3414
121-000104-400G	TRANSLATING TRANSCEIVER,NTB0104GU12/XQFN12(NXP) RoHS	36.1269	2	97.8214
121-000204-400G	4-Bits Bidirectional Multi-Voltage Level Translator,LSF0204RUTR/UQFN12(TI)RoHS	36.1269	4	180.3957
121-009406-200G	IC, DUAL BIDIRECTIONAL I <sup>2</sup> C-bus and SMBus TRANSLATOR,TCA9406DCUR/micro SO8(TI)RoHS	36.1269	5	220.6702
121-081437-400G	IC RS232 Transceivers,F81437N/TQFN40(FINTEK) RoHS	36.1269	1	54.3414
121-081439-400G	IC RS232/RS422/RS485 Multiprotocol Transceivers,F81439N/TQFN40(FINTEK)RoHS	36.1269	1	54.3414
121-229660-200G	IC Power Switch,TPS22966DPUT/WSO8(TI)RoHS	112.2526	1	218.3001
122-108880-200G	AUDIO CODEC ALC888S-VD2-GR/LQFP48(REALTEK)	36.1269	1	54.3414
123-100341-200G	IC OP Amplifier,LMV341IDCK/SC70-6(TI)RoHS	36.1269	1	54.3414
135-302004-250S	EEPROM AT24C04D-XHM-T,4K(512*8bit)TSSOP8 (ATMEL)/HF	15.3614	1	23.8446
135-306400-206S	SPI SERIAL FLASH 64Mbit W25Q64FVSSIG/SO8 (Winbond)/HF	15.3614	1	23.8446
141-003460-400G	eDP to LVDS bridge PTN3460BS/F2,HVQFN56(NXP) RoHS	36.1269	1	54.3414
141-006790-400G	IC Synchronous Buck Converter,5.5-26Vin/5Vout,8A,NB679GD-Z/QFN12(MPS)RoHS	36.1269	1	54.3414
141-006800-400G	IC Synchronous Buck Converter,4.7-26Vin/3.3Vout,8A,NB680GD-Z/QFN12(MPS)RoHS	36.1269	1	54.3414
141-006850-401G	IC Synchronous Buck Converter,4.5-26Vin,12A,NB685AGQ/QFN16(MPS)RoHS	36.1269	1	54.3414
141-021880-400G	IC Synchronous Step-down Converter,MP2188GQA/QFN-16(MPS)RoHS	36.1269	1	54.3414
141-081750-400G	IC PWM CTRL RT8175AGQW/QFN32(RICHTEK)HF	36.1269	3	139.5546
147-002110-200G	IC CHIP,Giga LAN Ctrl,WGI211AT/QFN64(INTEL) RoHS	36.1269	1	54.3414
147-818030-200G	IC CHIP,F81803U-I/TQFP64(FINTEK)RoHS	36.1269	1	54.3414
171-205200-210S	DIODE Schottky ,30V ,200mA ,IR=1uA@V R=10V ,SCS520S-TG/SOD-523(WILLAS)	2.4683	11	30.1751
171-230502-200G	Ultra low capacitance bidirectional ESD protection diodes,VRWM=5.0V Vesd=10KV,SMD,SOT883 PESD5V0U2BM(NXP)RoHS	2.4683	1	3.4126

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171-360120-500G	DIODE TVS,12V,600W,SMBJ12CA/DO-214AA (LITTELFUSE)RoHS	2.4683	1	3.4126
171-404001-200S	TVS 4-CHANNEL ESD SOLUTION,TPD4E001DBVR/SOT23-6(TI)	36.1269	4	180.3957
171-404010-200S	TVS 4-CHANNEL ESD SOLUTION,TPD4S010DQAR/SON-DQA10(TI)	36.1269	5	220.6702
171-450150-200G	DIODE Zener,15V,UDZSTE-1715B/SOD323(ROHM) RoHS	2.4683	1	3.4126
171-505430-202S	DIODE Schottky,BAT54C/SOT23-3(FAIRCHILD)	2.4683	1	3.4126
172-223904-400G	TRANSISTOR NPN,MBT3904DW1T1G/SOT-363(ON) RoHS	7.1145	3	26.2979
172-223906-207S	TRANSISTOR PNP,PMBS3906/SOT23(NXP)	7.1145	1	10.0091
172-300138-200G	MOSFET Dual N-Ch,VDS:50V,ID:360mA,VGS:±20V,@10V Rds<1.6Ω,PJT138K/SOT363(PANJIT)RoHS	15.9713	18	318.2712
172-308013-200G	MOSFET Dual N-Ch,VDS:30V,VGS:±20V,@VGS=10V,RDS: 6.4mΩ/1.9mΩ,ID:13A/26A,FDPC8013S/POWER 33 (FAIRCHILD)RoHS	15.9713	3	60.8342
172-385301-200G	MOSFET N-Ch,VDS:20V,ID:5A,VGS:±10V,at 4.5V RDS:23mΩ,CSD85301Q2/WSO-8(TI)RoHS	15.9713	2	42.5386
172-443503-200G	MOSFET P-Ch,VDS:-30V,ID:-18A,VGS:±25V,@-10V,RDS:20mΩ,FDMC4435BZ/MLP 3.3x3.3 (FAIRCHILD)RoHS	15.9713	2	42.5386
172-522920-210G	Integrated Load Switch High action,RDS:5.3mΩ,@VIN=3.6V,DSBGA 8PIN,TPS22920YZ(TI)RoHS	15.9713	1	23.5211
174-210110-330G	LED Brilliant Green SMD0603,H=0.4mm,19-217/GHC -YR1S2/3T(EVERLIGHT)RoHS	101.5424	1	197.8233
213-151005-120C	MLCC 10pF/50V,NPO,J(5%),SMD 0201(None JP) RoHS	0.2177	3	0.7489
213-151005-200C	MLCC 10pF/50V,NPO,J(5%),SMD,0402,(None JP) RoHS	0.2177	2	0.5139
213-151015-200C	MLCC 101P/50V,NPO,J(5%),SMD,0402,(None JP) RoHS	0.2177	2	0.5139
213-151805-110C	MLCC 18pF/25V,NPO,J(5%),SMD 0201(None JP) RoHS	0.2177	2	0.5139
213-151805-200C	MLCC 18pF/50V,NPO,J(5%),SMD,0402,(None JP) RoHS	0.2177	4	0.9796
213-151815-200C	MLCC 181P/50V,NPO,J(5%),SMD,0402,(None JP) RoHS	0.2177	3	0.7489
213-152205-110C	MLCC 22pF/25V,NPO,J(5%),SMD 0201(None JP) RoHS	0.2177	1	0.2736
213-152215-200C	MLCC 221P/50V,NPO,J(5%),SMD,0402,(None JP) RoHS	0.2177	1	0.2736
213-152405-200C	MLCC 24pF/50V,NPO,J(5%),SMD,0402,(None JP) RoHS	0.2177	1	0.2736
213-152705-200C	MLCC 27pF/50V,NPO,J(5%),SMD,0402,(None JP) RoHS	0.2177	3	0.7489

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213-153309-200C	MLCC 33pF/50V,NPO,J(5%),SMD,0402,(None JP) RoHS	0.2177	1	0.2736
213-251028-200C	MLCC 102P/50V,X7R,K(10%),SMD,0402,(None JP) RoHS	0.2177	3	0.7489
213-251038-200C	MLCC 103P/16V,X7R,K(10%),SMD,0402,(None JP) RoHS	0.2177	4	0.9796
213-251038-250C	MLCC 103P/50V,X7R,K(10%),SMD,0402,(None JP) RoHS	0.2177	1	0.2736
213-251039-130C	MLCC 103P/10V,X7R,K(10%),SMD,0201,(None JP) RoHS	0.2177	13	3.0261
213-251049-130J	MLCC 104P/10V,X5R,K(10%),0201,(JP)RoHS	0.2177	128	28.4796
213-251049-200J	MLCC 104P/16V,X7R,K(10%),SMD,0402,(JP)RoHS	0.2177	41	9.2736
213-251049-320J	MLCC 104P/50V,X7R,K(10%),SMD,0603,(JP)RoHS	0.2177	1	0.2736
213-251049-330J	MLCC 104P/25V,X7R,K(10%),SMD,0603,(JP)RoHS	0.2177	1	0.2736
213-251059-109G	MLCC 105P/6.3V,X5R,K(10%),SMD,0201,CC0201KRX5R5BB105(YAGEO) RoHS	0.2177	68	15.2514
213-251059-230J	MLCC 105P/16V,X5R,K(10%),SMD,0402(JP)RoHS	0.2177	25	5.7142
213-251059-350J	MLCC 105P/16V,X5R,K(10%),SMD,0603,(JP)RoHS	0.2177	1	0.2736
213-251068-200J	MLCC 106P/6.3V,X5R,M(20%),SMD,0402,(JP)RoHS	0.2177	48	10.8260
213-251068-300J	MLCC 106P/6.3V,X5R,M(20%),SMD,0603,(JP)RoHS	0.2177	1	0.2736
213-251069-320J	MLCC 106P/10V,X5R,K(10%),SMD,0603,(JP)RoHS	0.2177	7	1.6678
213-251069-540J	MLCC 106P/16V,X5R,K(10%),0805,(JP)RoHS	0.2177	12	2.8007
213-252249-270J	MLCC 224P/16V,X7R,K(10%),SMD,0402(JP)RoHS	0.2177	2	0.5139
213-252249-330C	MLCC 224P/25V,X7R,K(10%),SMD,0603,(None JP) RoHS	0.2177	5	1.2101
213-252259-200J	MLCC 225P/6.3V,X5R,M(20%),SMD,0402,(JP)RoHS	0.2177	1	0.2736
213-252259-330C	MLCC 225P/16V,X5R,K(10%),SMD,0603,(None JP) RoHS	0.2177	3	0.7489
213-252268-310J	MLCC 226P/6.3V,X5R,M(20%),SMD,0603,(JP)RoHS	0.2177	56	12.5977
213-253938-200C	MLCC 393P/10V,X7R,K(10%),SMD,0402,(None JP) RoHS	0.2177	1	0.2736
213-254715-200C	MLCC 471P/50V,NPO,J(5%),SMD,0402,(None JP) RoHS	0.2177	4	0.9796
213-254728-200C	MLCC 472P/50V,X7R,K(10%),SMD,0402,(None JP) RoHS	0.2177	2	0.5139
213-254749-240C	MLCC 474P/10V,X5R,K(10%),SMD,0402,(None JP) RoHS	0.2177	3	0.7489
213-254749-336S	MLCC 474P/25V,X7R,K(10%),SMD,0603,GRM188R71E474KA12D(MURATA)	0.2177	3	0.7489
213-254758-210J	MLCC 475P/6.3V,X5R,M(20%),SMD,0402,(JP)RoHS	0.2177	9	2.1224
213-254759-320C	MLCC 475P/10V,X5R,K(10%),SMD,0603,(None JP) RoHS	0.2177	8	1.8954
213-254759-510J	MLCC 475P/25V,X5R,K(10%),SMD,0805,(JP)RoHS	0.2177	2	0.5139
217-302278-326G	POLYMER(TAN)CAP 220uF/6.3V,45mΩ,1700mA,105°C/2000H,M(20%),B3528(1.9),T520B227M006ATE045(KEMET) RoHS	1.2250	6	8.2811

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217-302778-400G	POLYMER(TAN) CAP 270uF/2V,9mΩ,3200mA,SMD,105°C/2000H,B-size 3528,M(20%),T528B277M002APE009(KEMET)RoHS	1.2250	4	5.6740
223-010220-810G	CHOKE 1uH,M (20%),RDC≤59mΩ,Irms≤2.7A,Isat≤2.7A,SMD, (2.5*2.0*1.2),CSCA2520D-1R0M-LRH(PDC)RoHS	1.2766	2	3.1033
223-015222-610G	CHOKE 1.5uH,M (20%),RDC≤15mΩ,Irms=9A,Isat=16A,SMD, (7.3*6.6*3.0),MCS0630-1R5MN2(PDC)RoHS	1.2766	1	1.6684
223-036121-700G	CHOKE 0.36uH,M (20%),DCR=12mΩ,Irms:9A,Isat:11A,SMD (4.5*4*1.8),GSTD4020PJ-R36M(GOTREND)RoHS	1.2766	2	3.1033
223-068121-710G	CHOKE 0.68uH,M (20%),RDC≤18mΩ,Irms=6A,Isat=9A,SMD (4.3*4.5),PCMB042T-R68MS(CYNTEC)RoHS	1.2766	1	1.6684
223-310221-800G	CHOKE 1.0uH,M (20%),RDC≤27mΩ,Irms:4.5A,Isat:7A,SMD (4.7*4.2*2),GSTD4020PE-1R0M(GOTREND)RoHS	1.2766	2	3.1033
223-310221-900G	INDUCTOR 1.0uH,M (20%),RDC≤14mΩ,Irms:7A,Isat:11A,SMD, (4.9*5.2*3),GSTC053P-1R0MS(GOTREND)RoHS	1.2766	1	1.6684
223-410040-501S	COMMON CHOKE Z≥90Ω,M (20%),RDC≤0.35Ω,Idc≤330mA,SMD, (2.05*1.25*1.2),CMM21T-900M-N(CHILISIN)	1.2766	5	7.2463
223-490020-500G	COMMON CHOKE 90Ω,M(20%),300mA,SMD(0805) (2012),ACM2012H-900-2P(TDK)RoHS	1.2766	4	5.8798
223-490090-500S	COMMON CHOKE USB3.0,90Ω,60-100Ω,350mA (Max),SMD0805(20*12mm),GLECM2012B-900QT (GOTREND)	1.2766	4	5.8798
231-107108-210G	LDO REGULATOR 150mA,GS7108UD1P2/uDFN4-1x1 (GSTEK)RoHS	112.2526	1	218.3001
231-107168-200G	REGULATOR 0.8A,GS7168TD-R/TDFN8(GSTEK)HF	112.2526	2	374.9448
231-171330-200G	REGULATOR GS7133TD-R,3A,TDFN10(GStek)RoHS	112.2526	1	218.3001
241-219206-700G	X'TAL 19.200Mhz,12pf,30ppm,TOPR=-40°C ~+85°C,SMD3225(4PAD),X32-19.200-12-30/30I (MEC)RoHS	3.2000	1	6.9898
241-225006-701G	X'TAL 25.000Mhz,18pf,30ppm,TOPR=-40°C ~+85°C,SMD3225(4PAD),X32-25.000-18-30/30I (MEC)RoHS	3.2000	1	6.9898
241-227006-701G	X'TAL 27.000Mhz,18pf,30ppm,TOPR=-40°C ~+85°C,SMD3225(4PAD),X32-27.000-18-30/30I (MEC)RoHS	3.2000	1	6.9898
241-432773-312G	X'TAL 32.768kHz,12.5pf,20ppm,TOPR=-40°C ~+85°C,SMD3215(2PAD),CM315D 32.768KDZF (CITIZEN)RoHS	3.2000	1	6.9898
242-248006-200G	OSC 48Mhz,3.3V,15pf,25ppm,TOPR=-40°C ~+85°C,SMD2520(4PAD),FCO-236A 48.000MAC (FUJICOM)RoHS	14.0000	1	42.3449
251-160808-083S	BEAD CORE 160808 80Ω,300mA,25%,SMT0603 SBK160808T-800Y-N(CHILISIN)	1.2766	2	3.1033

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251-160808-615S	BEAD CORE 160808 600Ω,1000mA,SMD0603,PBY160808T-601Y-N (CHILISIN)	1.2766	1	1.6684
251-647000-301S	BEAD CORE 47Ω,0.4A 160808 SMD0603,SBK160808T-470Y-N(CHILISIN)	1.2766	7	9.9418
251-915470-200G	FERRITE BEAD 47Ω,300mA,25%,BLM15BB470SN1D/0402(MURATA) RoHS	1.2766	5	7.2463
253-100115-501S	POLYSWITCH 1.1A/6V,0805 0805L100(Littelfuse) RoHS	0.4000	3	1.6363
253-100265-404S	POLYSWITCH 2.6A/8V,SMD1812 PTC,1812L260THDR(LITTELFUSE)/HF	0.4000	1	0.6546
253-115002-200G	FUSE 15A/65V SMD2410,0451015.MRL (LITTLEFUSE)RoHS	0.4000	1	0.6546
261-361515-200C	RES NET 150Ω 8P4R 5%,0402*4,(None JP)RoHS	0.6576	2	1.6758
261-364725-200C	RES NET 4.7KΩ 8P4R 5%,0402*4,(None JP)RoHS	0.6576	1	0.9145
263-180005-100C	RES 0Ω,J(5%),SMD,0201(None JP)RoHS	0.6576	65	44.7451
263-180005-200C	RES 0Ω,,SMD,0402 (None JP)RoHS	0.6576	44	30.5804
263-180005-300C	RES 0Ω,J(5%),SMD,0603,(None JP)RoHS	0.6576	9	6.6624
263-180005-500C	RES 0Ω,J(5%),SMD,0805 (None JP)RoHS	0.6576	6	4.5639
263-180100-110C	RES 10Ω,F(1%),SMD,0201,(None JP)RoHS	0.6576	5	3.8532
263-180100-210C	RES 10Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	6	4.5639
263-180200-210C	RES 20Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	3	2.4126
263-180220-110C	RES 22Ω,F(1%),SMD,0201,(None JP)RoHS	0.6576	3	2.4126
263-180220-210C	RES 22Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-180330-210C	RES 33Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	4	3.1369
263-180519-310C	RES 5.1Ω,F(1%),SMD,0603,(None JP)RoHS	0.6576	1	0.9145
263-180750-110C	RES 75Ω,F(1%),SMD,0201,(None JP)RoHS	0.6576	16	11.5138
263-180750-210C	RES 75Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	3	2.4126
263-181000-110C	RES 100Ω,F(1%),SMD,0201,(None JP)RoHS	0.6576	7	5.2703
263-181000-210C	RES 100Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	5	3.8532
263-181001-110C	RES 1KΩ,F(1%),SMD,0201,(None JP)RoHS	0.6576	15	10.8247
263-181001-210C	RES 1KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	10	7.3603
263-181002-110C	RES 10KΩ,F(1%),SMD,0201,(None JP)RoHS	0.6576	54	37.3341
263-181002-210C	RES 10KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	34	23.8052
263-181003-110C	RES 100KΩ,F(1%),SMD,0201,(None JP)RoHS	0.6576	14	10.1345
263-181003-210C	RES 100KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	19	13.5757
263-181004-210C	RES 1MΩ,F(1%),SMDM0402,(None JP)RoHS	0.6576	5	3.8532
263-181005-210C	RES 10MΩ,F(1%),SMDM0402,(None JP)RoHS	0.6576	1	0.9145
263-181101-210C	RES 1.1KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	3	2.4126
263-181130-310C	RES 113Ω,F(1%),SMD,0603,(None JP)RoHS	0.6576	1	0.9145
263-181131-210C	RES 1.13KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-181333-210C	RES 133KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	3	2.4126
263-181402-210C	RES 14KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-181500-210C	RES 150Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	7	5.2703
263-181501-210C	RES 1.5KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-181820-210C	RES 182Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	2	1.6758



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263-181872-210C	RES 18.7KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-181910-210C	RES 191Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	2	1.6758
263-182000-210C	RES 200Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	4	3.1369
263-182001-210C	RES 2KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	3	2.4126
263-182002-210C	RES 20KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	7	5.2703
263-182003-210C	RES 200KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-182052-210C	RES 20.5KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	3	2.4126
263-182055-200C	RES 2MΩ,J(5%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-182201-110C	RES 2.2KΩ,F(1%),SMD,0201,(None JP)RoHS	0.6576	12	8.7504
263-182202-110C	RES 22KΩ,F(1%),SMD,0201(None JP)RoHS	0.6576	6	4.5639
263-182208-210C	RES 2.2Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	3	2.4126
263-182208-310C	RES 2.2Ω,F(1%),SMD,0603,(None JP)RoHS	0.6576	9	6.6624
263-182212-210C	RES 22.1KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-182320-210C	RES 232Ω,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-182401-210C	RES 2.4KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	3	2.4126
263-182491-210C	RES 2.49KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	2	1.6758
263-182492-210C	RES 24.9KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-182802-210C	RES 28KΩ,F(1%),SMD,0402,(None JP)RoHS	0.6576	1	0.9145
263-183000-110C	RES 300Ω,F(1%),SMD,0201(None JP)RoHS	0.6576	5	3.8532
263-183000-210C	RES 300Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	3	2.4126
263-183000-310C	RES 300Ω,F(1%),SMD,0603(None JP)RoHS	0.6576	1	0.9145
263-183300-210C	RES 330Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	2	1.6758
263-183301-110C	RES 3.3KΩ,F(1%),SMD,0201(None JP)RoHS	0.6576	3	2.4126
263-183301-210C	RES 3.3KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	4	3.1369
263-183303-210C	RES 330KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-183305-100C	RES 33Ω,J(5%),SMD,0201(None JP)RoHS	0.6576	2	1.6758
263-183308-310C	RES 3.3Ω,F(1%),SMD,0603(None JP)RoHS	0.6576	2	1.6758
263-183335-200C	RES 33KΩ,J(5%),SMD,0402(None JP)RoHS	0.6576	2	1.6758
263-183901-210C	RES 3.9KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-183920-210C	RES 392Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-183922-210C	RES 39.2KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-184020-210C	RES 402Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	5	3.8532
263-184022-210C	RES 40.2KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-184120-210C	RES 412Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-184530-210C	RES 453Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	3	2.4126
263-184700-110C	RES 470Ω,F(1%),SMD,0201(None JP)RoHS	0.6576	8	5.9733
263-184701-110C	RES 4.7KΩ,F(1%),SMD,0201(None JP)RoHS	0.6576	16	11.5138
263-184701-210C	RES 4.7KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	18	12.8892
263-184702-110C	RES 47KΩ,F(1%),SMD,0201(None JP)RoHS	0.6576	8	5.9733
263-184871-210C	RES 4.87KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	3	2.4126
263-184872-210C	RES 48.7KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-184990-210C	RES 499Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-184991-210C	RES 4.99KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-184999-210C	RES 49.9Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	4	3.1369
263-185101-210C	RES 5.1KΩ,F(1%),SMD,0402(None JP)RoHS (RALEC)	0.6576	1	0.9145
263-185103-210C	RES 510KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	3	2.4126

**File Name:** BW051\_021.rfp  
**Assembly:** 774-BW0511-000G  
**Ref Des:**  
**Calculation Model:** Telcordia Issue 2



**MTBF (hrs):** 222,089  
**Failure Rate:** 4502.6999  
**Temperature:** 55  
**Environment:** GB, GC - Ground Benign, Controlled

Part Number	Description	Unit Failure Rate	Quantity	Total Failure Rate
263-185231-210C	RES 5.23KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-185600-210C	RES 560Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-185601-210C	RES 5.6KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-185621-210C	RES 5.62KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-185761-210C	RES 5.76KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-185900-210C	RES 590Ω,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-185901-210C	RES 5.9KΩ,F(1%),SMD,0402(None JP)RoHS	0.6576	1	0.9145
263-186800-210C	RES 680Ω,F(1%),SMD,0402 (None JP)RoHS	0.6576	3	2.4126
263-186981-210C	RES 6.98KΩ,F(1%),SMD,0402 (None JP)RoHS	0.6576	3	2.4126
263-188069-210C	RES 80.6Ω,F(1%),SMD,0402 (None JP)RoHS	0.6576	1	0.9145
263-188201-210C	RES 8.2KΩ,F(1%),SMD,0402 (None JP)RoHS	0.6576	2	1.6758
263-188451-210C	RES 8.45KΩ,F(1%),SMD,0402 (None JP)RoHS	0.6576	1	0.9145
263-188661-210C	RES 8.66KΩ,F(1%),SMD,0402 (None JP)RoHS	0.6576	1	0.9145
263-188871-210C	RES 8.87KΩ,F(1%),SMD,0402 (None JP)RoHS	0.6576	1	0.9145
263-189091-210C	RES 9.09KΩ,F(1%),SMD,0402 (None JP)RoHS	0.6576	1	0.9145
263-189092-210C	RES 90.9KΩ,F(1%),SMD,0402 (None JP)RoHS	0.6576	2	1.6758
263-189532-210C	RES 95.3KΩ,F(1%),SMD,0402 (None JP)RoHS	0.6576	1	0.9145
273-010400-300G	THERM RES 100KΩ,0603(B:25/85=3950,3%)RoHS	4.1368	3	19.2538
273-047300-201G	THERM RES 47KΩ 1%,0402(B:25/50=4050,1%) TSM0B473F4051RZ(TKS)RoHS	4.1368	3	19.2538
273-100402-301S	THERM RES 10KΩ0603(B:25/85=3435,3%) TSM1A103J34D3RZ(TKS)	4.1368	2	13.8754
341-020010-100G	DC JACK ,5.5X2.5mm,R/A,W/WASH&SCREW,655-125(SHEN MING)RoHS	8.6677	1	15.0072
342-101904-200G	HDMI CONN 19P Female R/A,SMD,15μ",282-1921Q30243(BETACONN)RoHS	8.6677	1	15.0072
343-500642-111G	Giga LAN CONN RJ45 30μ,W/Transformer&LED,24-000939N13-1(UDE)RoHS	8.6677	1	15.0072
343-503600-100S	USB 3.0*2 ,A Type,30u,UEA1112C-8FS6-4F (FOXCONN)	8.6677	1	15.0072
344-002003-600G	Mini JUMPER BLACK 2.0mm,200-72-PBGB03 (PINREX)RoHS	8.6677	1	15.0072
344-002003-610G	Mini JUMPER RED 2.0mm,200-72-PBGR0B(PINREX) RoHS	8.6677	1	15.0072
346-110520-200G	PIN PLUG 1*5/2.0mm,180D,BLACK,SMD,222-96-05GBE1(PINREX)RoHS	8.6677	1	15.0072
346-120320-800S	PIN PLUG 2*3 /2.0mm SMD,W/CAP,222-97-03GBE1 (R)(PINREX)	8.6677	1	15.0072
346-120520-821G	PIN PLUG 2*5/2.0mm,W/Pick & CAP,SMD,222-97-05GBE1(PINREX)RoHS	8.6677	2	26.2647
346-120521-810G	PIN PLUG 2*5-1(K9)/2.0mm SMD W/cap,222-97-05GBE2(PINREX),OOOOO/OOOOX,RoHS	8.6677	1	15.0072
346-220320-200G	PIN PLUG 2*3/2.0mm,90D,SMD,BLACK,22W-97-03GBBD(PINREX)RoHS	8.6677	1	15.0072
346-221020-200G	PIN PLUG 2*10/2.0mm,90D,SMD,22W-97-10GBBD (PINREX)RoHS	8.6677	1	15.0072
346-510223-102G	BOX HEADER 1*2P,2.0mm,WHITE,DIP,721-81-02TW00(PINREX)RoHS	8.6677	1	15.0072



**File Name:** BW051\_021.rfp  
**Assembly:** 774-BW0511-000G  
**Ref Des:**  
**Calculation Model:** Telcordia Issue 2



**MTBF (hrs):** 222,089  
**Failure Rate:** 4502.6999  
**Temperature:** 55  
**Environment:** GB, GC - Ground Benign, Controlled

Part Number	Description	Unit Failure Rate	Quantity	Total Failure Rate
346-600750-101S	BOX HEADER 7Pin SATA3,15u/DIP,LE18077-Z54D-4H(FOXCONN)	8.6677	1	15.0072
346-808080-200G	HEADER 0.8mm BTB CONN,40pinx2,M,10u",BLACK,SMD,POSTx2,QSE-040-01-L-D-A-K-TR(SAMTEC)RoHS	8.6677	1	15.0072
347-114000-200G	WAFER 14PIN/1.25mm,White,R/A,SMD,0110-3221140(E-CALL)	8.6677	1	15.0072
347-150051-210G	WAFER CONN 5Pin,R/A,1.25mm,SMD,0110-3221050(E-CALL)RoHS	8.6677	1	15.0072
348-652047-210G	DDR-III SO DIMM 1*204P,10u,H=8.0mm 1.5V,SMD,RVS,AS0A626-H8RN-7H(FOXCONN) RoHS/HF	8.6677	1	15.0072
348-660525-200G	SOCKET MINI PCI-EXPRESS 52Pos/0.8P H=6.8mm 10u SMD AS0B226-S68Q-7H(FOXCONN)RoHS	4.7278	2	13.6398
391-232032-500G	BATTERY CR2032u 3V 220mAh W/CABLE 150mm&TAPE, BAT-CR2032-I-CT-2PI-W-002 (POWERTRONICS)RoHS	25.0000	1	34.9638
143-10160D-400G	CPU Intel SOC Braswell N3710 1.6GHz,QK0G,FCBGA-1170(INTEL)RoHS	224.0000	1	224.0000
292-301000-500S	BUZZER 3V,10Ω,2.4Khz SMD5.5*5.5mm SMT-G5030A(KEPO)	600.0000	1	600.0000
314-BW0511-026G	PCB BW051 R.2(12L 120x174x1.6mm/2)ENIG (ALLIED)RoHS	3.0000	1	3.0000