

MTBF Report of TSR-2900-40-2AC

No	Material ID	Item	Specification and Model	Quantity	πG_i	πQ_i	πS_i	πT_i	$\lambda B B_i(10-9)$	$\lambda B B$
1	WGICC-CON0018	CY2305SXC-1HT	SOIC-8	1	0.5	1	1	1	0.5	0.5
2	WGICC-CON0073	XR16L2552IJ-F	PLCC44, 3.3V	1	0.5	1	1	1	0.5	0.5
3	WGICC-CON0189	RTL8201CL-LF	LQFP48	2	0.5	1	1	1	0.5	1
4	WGICC-CON0187	SL811HST-AXC	TQFP48	1	0.5	1	1	1	0.5	0.5
5	WGICC-CON0196	SP6132	MSOP10	1	0.5	1	1	1	0.5	0.5
6	WGICC-CPU0027	MPC8250AVRIHBC	PBGA_516,200/166/66MHZ	1	0.5	1	1	1	0.5	0.5
7	WGICC-DRI0071	SN74LVC245APWRE4	TSSOP-20	18	0.5	1	1	1	0.5	9
8	WGICC-DRI0105	ADM3311EARSZ	SSOP28, RS232 drive, 3-transmit-and-5-accept	2	0.5	1	1	1	0.5	1
9	WGICC-DRI0116	DS1819AR-10+T&R		1	0.5	1	1	1	0.5	0.5
10	WGICC-DRI0145	MIC2015-0.8YM6	SOT23-6	1	0.5	1	1	1	0.5	0.5
11	WGICC-DRI0151	NTD4815NT4G	DPAK	2	0.5	1	1	1	0.5	1
12	WGICC-MEM0092	JS28F320J3D75	TSOP-56	2	0.5	1	1	1	0.5	1
13	WGICC-OTH0083	SRV05-4.TCT	SOT23-6	3	0.5	1	1	1	0.5	1.5
14	WGICC-PLD0017	LC4064V-75TN100C	TQFP100	1	0.5	1	1	1	0.5	0.5
15	WGSCC-AUD0017	BCP56T1G NPN 60V,0.5W	SOT-223	1	0.5	1	1	1	0.5	0.5
16	WGSCC-CAP0032	Monolithic capacitance 105/16	0805, $\pm 20\%$	1	0.5	1	1	1	0.5	0.5
17	WGSCC-CAP0035	Tantalum capacitance 226/25	7343, $\pm 20\%$	4	0.5	1	1	1	0.5	2
18	WGSCC-CAP0043	Monolithic capacitance 152/100	0805, $\pm 20\%$	1	0.5	1	1	1	0.5	0.5
19	WGSCC-CAP0044	Ceramic capacitance 102/3kv	direct insertion, $\pm 20\%$, RAD 200mil	2	0.5	1	1	1	0.5	1
20	WGSCC-CAP0062	electrolytic capacitance 330uF/16V	RAD8*11,WL, 100KHz	12	0.5	1	1	1	500	6000
21	WGSCC-CAP0064	electrolytic capacitance 470uF/35V	RAD10*21,WL, 100KHz	4	0.5	1	1	1	500	2000
22	WGSCC-CAP0081	Monolithic capacitance 0.1uF/16	0603, $\pm 10\%$	139	0.5	1	1	1	0.5	69.5
23	WGSCC-	Monolithic capacitance	0603, $\pm 10\%$	3	0.	1	1	1	0.5	1.5

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	CAP0082	0.01uf/16			5						
24	WGSCC-CAP0091	Tantalum capacitance 107/16	7343, ±20%	1	0.5	1	1	1	0.5		0.5
25	WGSCC-CAP0095	Ceramic capacitance 100pF/16	0603, ±10%	1	0.5	1	1	1	0.5		0.5
26	WGSCC-CAP0111	Monolithic capacitance 33pF/16	0603, ±10%	8	0.5	1	1	1	0.5		4
27	WGSCC-CAP0114	Tantalum capacitance 22uF/16	6032, ±10%	18	0.5	1	1	1	0.5		9
28	WGSCC-CAP0115	Monolithic capacitance 3.3nF/16	0603, ±10%	1	0.5	1	1	1	0.5		0.5
29	WGSCC-CAP0116	Monolithic capacitance 47nF/16	0603, ±10%	2	0.5	1	1	1	0.5		1
30	WGSCC-CAP0119	Monolithic capacitance 220pF/16	0603, ±10%	1	0.5	1	1	1	0.5		0.5
31	WGSCC-CAP0124	Monolithic capacitance 1200pF/16	0603, ±10%	1	0.5	1	1	1	0.5		0.5
32	WGSCC-CAP0128	Tantalum capacitance 10uF/16	CASE-A, 10%	3	0.5	1	1	1	0.5		1.5
33	WGSCC-CAP0140	Monolithic capacitance 22pF/16	0603, ±10%	1	0.5	1	1	1	0.5		0.5
34	WGSCC-CAP0158	Ceramic capacitance LMK325BJ226MM-T	1210	7	0.5	1	1	1	0.5		3.5
35	WGSCC-DIO0063	BAT54HT1G	SOD323	1	0.5	1	1	1	0.5		0.5
36	WGSCC-DIO0064	BZT52H-C5V6	SOD123F	2	0.5	1	1	1	0.5		1
37	WGSCC-IND0004	1206 magnetic bead	MCP1206P121	5	0.5	1	1	1	0.5		2.5
38	WGSCC-IND0006	70uH inductance	direct insertion, 60mA, 0.3V, single layer	1	0.5	1	1	1	0.5		0.5
39	WGSCC-IND0011	inductance (15A)	direct insertion, custom	1	0.5	1	1	1	0.5		0.5
40	WGSCC-IND0020	0603 inductance	1uH	1	0.5	1	1	1	0.5		0.5
41	WGSCC-IND0012	0805 inductance	0805, 1UH	1	0.5	1	1	1	0.5		0.5
42	WGSCC-IND0028	4.7uH, 9.3A	SMD	1	0.5	1	1	1	0.5		0.5
43	WGSCC-LED0004	dual green LED with socket	direct insertion, Φ3, round pin, high illumination	1	0.5	1	1	1	0.5		0.5
44	WGSCC-LED0006	HT15-21VGC/TR8	1206, high illumination	4	0.5	1	1	1	0.5		2
45	WGSCC-LED0009	vertical insertion, green diode, A1844B/4G	4 LEDs per row	1	0.5	1	1	1	0.5		0.5
46	WGSCC-NRS0029	RN4P—22R	SMD, independent resistance	6	0.5	1	1	1	0.5		3
47	WGSCC-NRS0037	RN4P—4K7	SMD, independent resistance	33	0.5	1	1	1	0.5		16.5

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48	WGSCC-RES0175	RJ4K7	0603, ±5%, 1/16W	32	0.5	1	1	1	0.5		16
49	WGSCC-RES0177	RJ49R9	0603, ±1%, 1/16W	11	0.5	1	1	1	0.5		5.5
50	WGSCC-RES0178	RJ300R	0603, ±5%, 1/16W	10	0.5	1	1	1	0.5		5
51	WGSCC-RES0184	RJ22R	0603, ±5%, 1/16W	17	0.5	1	1	1	0.5		8.5
52	WGSCC-RES0188	RJ75R	0603, ±5%, 1/16W	8	0.5	1	1	1	0.5		4
53	WGSCC-RES0204	RJ0R	0603, ±5%, 1/16W	6	0.5	1	1	1	0.5		3
54	WGSCC-RES0213	RJ100k	0603, ±5%, 1/16W	1	0.5	1	1	1	0.5		0.5
55	WGSCC-RES0214	RJ30R	0603, ±5%, 1/16W	1	0.5	1	1	1	0.5		0.5
56	WGSCC-RES0218	RJ22K1	0603, ±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
57	WGSCC-RES0250	RJ3K	0603, metal film,±5%, 1/16W	1	0.5	1	1	1	0.5		0.5
58	WGSCC-RES0255	RJ15K	0603, metal film,±5%, 1/16W	5	0.5	1	1	1	0.5		2.5
59	WGSCC-RES0258	RJ27K4	0603, metal film,±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
60	WGSCC-RES0262	RJ1M	0603, metal film,±5%, 1/16W	2	0.5	1	1	1	0.5		1
61	WGSCC-RES0274	Resistance RJ2.2R	0603, ±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
62	WGSCC-RES0277	Resistance RJ750R	0603, ±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
63	WGSCC-RES0279	Resistance RJ10K	0603, ±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
64	WGSCC-RES0282	Resistance 6.04K	0603, ±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
65	WGSCC-RES0308	RJ221K	0603, ±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
66	WGSCC-RES0321	RJ2K	0603, ±1%, 1/16W	2	0.5	1	1	1	0.5		1
67	WGSCC-RES0328	RJ71K5	0603, ±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
68	WGSCC-RES0329	RJ41K2	0603, ±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
69	WGSCC-RES0374	RJ5R11	0603, ±1%, 1/16W	1	0.5	1	1	1	0.5		0.5
70	WGSCC-TRA0063	CM1084CN220/CX1084ADJ	TO-220, adjustable	1	0.5	1	1	1	0.5		0.5
71	WGSCC-TRA0081	HST-0041S		2	0.5	1	1	1	0.5		1
72	WGSCC-TRA0110	MP-2307DN-LF-Z	Step-Down Converter SOIC8N	1	0.5	1	1	1	0.5		0.5

73	WGSCC-XAL0038	crystal oscillator 66M/3.3V	SMD, ±50ppm	1	0.5	1	1	1	0.5		0.5
74	WGSCC-XAL0042	crystal 25M/2P	direct insertion,50ppm	2	0.5	1	1	1	0.5		1
75	WGSCC-XAL0052	crystal 18.432M/2P	direct insertion,±30ppm	1	0.5	1	1	1	0.5		0.5
76	WGSCC-XAL0081	crystal 48M	2-pin pluggable installation, ±50ppm	1	0.5	1	1	1	0.5		0.5
77	WGSOC-CNN0024	Single-row direct pin: 40	40-pin space-between: 2.54mm	0.2	0.5	1	1	1	0.5		0.1
78	WGSOC-CNN0048	SDRAM slot DIMM168	71251-0012	1	0.5	1	1	1	0.5		0.5
79	WGSOC-CNN0110	A-style 154-pin shield socket (F)	2mm circuit board connector, 064176	2	0.5	1	1	1	0.5		1
80	WGSOC-CNN0113	HS101-08	8-core socket(space between: 3.96mm)	1	0.5	1	1	1	0.5		0.5
81	WGSOC-CNN0115	Directly insertive fin of the transformer	direct insertion, L=25mm, blackened	1	0.5	1	1	1	0.5		0.5
82	WGSOC-CNN0130	PLCC32 socket	pluggable installation	1	0.5	1	1	1	0.5		0.5
83	WGSOC-CNN0267	E5908-57A121DKL	RJ45,2*2 without LED	1	0.5	1	1	1	0.5		0.5
84	WGSOC-CNN0292	E8144-A01321	4P DIP USB A plug-in	1	0.5	1	1	1	0.5		0.5
85	WGSOC-CNN0304	0600000S35F	CF CARD CONNECTOR	1	0.5	1	1	1	0.5		0.5
86	WXMACSCRO018	M3*6 round headed bolt galvanization		1	0.5	1	1	1	0.5		0.5
87	WGICC-MEM0055	SST39VF040-70-4C-NH	Commercial MEMRORY of SST	1	0.5	1	1	1	0.5		0.5
88	WXBOA-PCB0690	PCB-TSR-2900-40	6 layers, 2mm, 344.5mm*220mm	1	0.5	1	1	1	0.5		0.5
MTBF (hours)									121823.455		