
Bill Of Materials for gs100main.sch on Sun May 31 21:25:40 2020

Item	Qty	Reference	Part Name	Manufacturer	Description
1	1	U5	7404	ti	HEX INV
2	2	D7-8	1P5KE8V	any	V SUPPRESSOR, 7.02V
3	10	Q1-10	2SC1815,KRC105	Any Vendor	EBC -bottom view npn
4	3	J2-3J5	5042-2P		
5	1	J8	5045_3P		
6	3	J1J7J11	5045_6P		
7	1	U22	93C46		
8	1	R6	AR9,10K		
9	1	U4	ATMEGA128		
10	13	BC1-3BC9-11BC13-19	BC,104	ANY VENDOR	bypass C DIP
11	2	L5L19	BEAD	any	EMI BEAD CORE
12	6	C3C9C11-13C23	CAP-K05,104	?	CERAMIC C, CK05
13	1	C14	CAP-R09,391	any	znr
14	2	C2C21	CAP-R09,472	any	DECOUP CAP 1KV
15	3	C7-8C43	CAPP,470uF	KEMET	CX12 CASE 'B'
16	1	C10	CAPP,47uF	KEMET	CX12 CASE 'B'
17	1	J9	CON_15P		
18	2	D1D12	DIODE	any	1A/1000V
19	4	EM1-4	EMI_FILTER1		
20	1	F1	FUSE-PCB,???	LITTELFUSE 345-101	FUSE HOLDER, PCB MOUNT, 1.25 X .25" FUSES
21	1	J4	HEAD2X5_50MIL		
22	2	L1-2	IND-MOLDED,???		MOLDED INDUCTOR, 0.5" PIN SPACING
23	2	L3-4	IND-UPRIGHT, 100uH	any	INDUCTOR WITH CORE
24	1	U9	IRM_10_12	MEAN WEL	10W 12V PCB Power
25	2	JP1JP8	JUMP3P	DEVICE MART / ANY VENDOR	Single 1x40Pin Straight(2.54mm)
26	4	LE1-2LE5L	LED-3PI	DEVICE MART /	300000000000
27	2	E9		ANY VENDOR	
28	1	U7-8	LM2576		
29	1	U3	LM2902	MOTOROLA	QUAD DIFFERENTIAL INPUT OPERATIONAL AMPLIFIER
30	6	U1	MAX232	DEVICE MART/ ANY VENDOR	+5V POWERED RS-232 DRIVER/RECEIVER
31	1	MTHOLE1-4 MTHOLE6-7	MTHOLE350		
32	9	U6	OP-07DP	NATIONAL SEMICONDUCTOR	LOW OFFSET, LOW DRIFT OP AMP
33	1	R7-14R39	RES-1/4W,100, 5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500
34	13	R29	RES-1/4W,100K, 5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500
		R3R19-20R 24R30-31R	RES-1/4W,10K, 5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500

		35R37R40R			
		42-45			
35	2	R27R33	RES-1/4W,120K,5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500
36	8	R15-18R21	RES-1/4W,1K,5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500
		R23R25-26			
37	2	R32R34	RES-1/4W,20K,5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500
38	1	R22	RES-1/4W,250K,5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500
39	1	R41	RES-1/4W,2K,5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500
40	2	R1R4	RES-1/4W,330,5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500
41	4	R2R5R28R3	RES-1/4W,5K,5%	DEVICE MART / ANY VENDOR	RES BODY:100 CENTERS:500
		8			
42	1	RA1	RES-SIP5P4R,10K		
43	2	K1-2	RY_1C,JW1FSN	NAiS	10A 1C RELAY
44	2	D6D24	SB340A-1,3A/50V	DEVICEMART / DIODES	SCHOTTKY BARRIER RECTIFIER (SMA)
45	1	U2	SN75176BP,SN75176BP	TI	RS485 DIP
46	1	XTAL1	SOC_06		
47	5	S1-5	SW_ITS_1103D	DEVICE MART / ANT VENDOR	Push button
48	4	C1C4-6	TANTAL-DIP,10uF	DEVICE MART / ANY VENDOR	Tantal Dip
49	2	C15-16	TANTAL-DIP,22uF	DEVICE MART / ANY VENDOR	Tantal Dip
50	1	R47	VRES-TOP-ADJ	any	TOP ADJUST, VR
51	1	R36	VRES-TOP-ADJ,WIW1036-20K		TOP ADJUST TYPE
52	1	FND1	WCN4_0056SR_C11R		
53	2	J6J10	YH396_02V		
54	4	D2-5	ZENER-DIODE		GENERIC ZENER-DIODE