

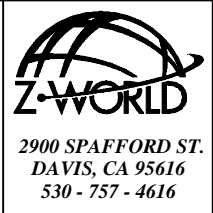
PROPRIETARY INFORMATION
 Z-World, Inc. Davis, CA.
 This information constitutes a
 Trade Secret of Z-World.

REVISION HISTORY			REVISION APPROVAL			
REV	ECO	DESCRIPTION	PROJECT ENGINEER	APPROVAL DATE	DOCUMENT CONTROL	APPROVAL DATE
A	E11276	INITIAL RELEASE TO PRODUCTION	J. FENG	4/18/01	KIS	4/18/01
B	E11564	CHANGED PE7 TO OUTPUT INHIBIT, J1, J2 FORMAT	DM	28JUN01	KIS	7/17/01
C	E12145	CHANGE R64 ON SR9420 OPTION (STUFFING CHART).	JFENG	11/21/02	KIS	11/19/02

NOTES: UNLESS OTHERWISE SPECIFIED;
 1. ALL RESISTOR VALUES ARE IN OHMS, 1/10W, 5%
 2. ALL CAPACITORS ARE 50VDC OR HIGHER.
 3. THE ORIGIN SOURCE OF A VOLTAGE IS REPRESENTED BY (VCC), AND ALL REFERENCES TO THAT VOLTAGE ARE REPRESENTED BY (VCC).

- D/A_SEN0 1 → J1:A
- D/A_OUT0 2 → J1:B
- D/A_SEN1 3 → J1:C
- D/A_OUT1 4 → J1:D
- D/A_SEN2 5 → J1:E
- GND 6 → J1:F
- D/A_SEN3 7 → J1:G
- D/A_OUT2 8 → J1:H
- D/A_SEN4 9 → J1:I
- D/A_OUT3 10 → J1:J
- AGND 11 → J1:K
- D/A_OUT4 12 → J1:L
- D/A_SEN5 13 → J1:M
- D/A_OUT5 14 → J1:N
- D/A_SEN6 15 → J1:O
- D/A_OUT6 16 → J1:P
- AGND 17 → J1:Q
- D/A_OUT7 18 → J1:R
- AGND 19 → J1:S
- D/A_SEN7 20 → J1:T

APPEND THE FOLLOWING DOCUMENTS WHEN CHANGING THIS DOCUMENT:		DRAWING CONTENT:		TITLE	
		DRAWN BY: (INITIAL RELEASE) J. FENG	3/1/2001	SCHEMATIC DIAGRAM SR9400 Digital to Analog Converter	
		REVISED BY: K.SCHALLER	11/19/02		
APPROVALS: INITIAL RELEASE				SIZE	DWG NO.
		PROJECT ENGINEER: J. FENG	4/18/2001	B	090-0121
		ENGINEERING MANAGER: R.MATTHEWS	7/20/01		
SIGNATURES		DATE		SCALE	NONE
				RELEASE DATE	4/18/2001
				SHEET	1 OF 2



STUFFING TABLE

PART	SR9400	SR9410	SR9420
	0 - +10.24V D/A CONVERTER	-10.24 - +10.24V D/A CONVERTER	4 - 20mA D/A CONVERTER
R63	7.87K 1% 0603	7.87K 1% 0603	15.8K 1% 0603
R64	2.62K 1% 0603	7.87K 1% 0603	11.0K 1% 0603
R65	2.80K 1% 0603	2.80K 1% 0603	0 ohm 0603
R66	2.00K 1% 0603	2.00K 1% 0603	NOT INSTALLED
R7	137K 1% 0603	137K 1% 0603	165K 1% 0603
R8	137K 1% 0603	137K 1% 0603	165K 1% 0603
R11	137K 1% 0603	137K 1% 0603	165K 1% 0603
R12	137K 1% 0603	137K 1% 0603	165K 1% 0603
R55	137K 1% 0603	137K 1% 0603	165K 1% 0603
R56	137K 1% 0603	137K 1% 0603	165K 1% 0603
R59	137K 1% 0603	137K 1% 0603	165K 1% 0603
R60	137K 1% 0603	137K 1% 0603	165K 1% 0603
R17	825K 1% 0603	825K 1% 0603	8.25K 1% 0603
R18	NOT INSTALLED	NOT INSTALLED	8.25K 1% 0603
R19	NOT INSTALLED	NOT INSTALLED	8.25K 1% 0603
R20	825K 1% 0603	825K 1% 0603	8.25K 1% 0603
R27	825K 1% 0603	825K 1% 0603	8.25K 1% 0603
R28	NOT INSTALLED	NOT INSTALLED	8.25K 1% 0603
R29	NOT INSTALLED	NOT INSTALLED	8.25K 1% 0603
R30	825K 1% 0603	825K 1% 0603	8.25K 1% 0603
R43	825K 1% 0603	825K 1% 0603	8.25K 1% 0603
R44	NOT INSTALLED	NOT INSTALLED	8.25K 1% 0603
R45	NOT INSTALLED	NOT INSTALLED	8.25K 1% 0603
R46	825K 1% 0603	825K 1% 0603	8.25K 1% 0603
R49	825K 1% 0603	825K 1% 0603	8.25K 1% 0603
R50	NOT INSTALLED	NOT INSTALLED	8.25K 1% 0603
R51	NOT INSTALLED	NOT INSTALLED	8.25K 1% 0603
R52	825K 1% 0603	825K 1% 0603	8.25K 1% 0603

PART	SR9400	SR9410	SR9420
	0 - +10.24V D/A CONVERTER	-10.24 - +10.24V D/A CONVERTER	4 - 20mA D/A CONVERTER
R15	NOT INSTALLED	NOT INSTALLED	0 ohm 0603
R22	NOT INSTALLED	NOT INSTALLED	0 ohm 0603
R25	NOT INSTALLED	NOT INSTALLED	0 ohm 0603
R31	NOT INSTALLED	NOT INSTALLED	0 ohm 0603
R42	NOT INSTALLED	NOT INSTALLED	0 ohm 0603
R47	NOT INSTALLED	NOT INSTALLED	0 ohm 0603
R48	NOT INSTALLED	NOT INSTALLED	0 ohm 0603
R53	NOT INSTALLED	NOT INSTALLED	0 ohm 0603
R16	0 ohm 0603	0 ohm 0603	NOT INSTALLED
R21	0 ohm 0603	0 ohm 0603	NOT INSTALLED
R26	0 ohm 0603	0 ohm 0603	NOT INSTALLED
R32	0 ohm 0603	0 ohm 0603	NOT INSTALLED
R35	0 ohm 0603	0 ohm 0603	NOT INSTALLED
R36	0 ohm 0603	0 ohm 0603	NOT INSTALLED
R39	0 ohm 0603	0 ohm 0603	NOT INSTALLED
R40	0 ohm 0603	0 ohm 0603	NOT INSTALLED
C13	0 ohm 0805	100nF 0805	0 ohm 0805
C21	0 ohm 0805	100nF 0805	0 ohm 0805
C22	0 ohm 0805	100nF 0805	0 ohm 0805
U9	NOT INSTALLED	LM2675-12, IC	NOT INSTALLED
D1	NOT INSTALLED	1N5819, DIODE	NOT INSTALLED
D3	NOT INSTALLED	1N5819, DIODE	NOT INSTALLED
D4	NOT INSTALLED	1N5819, DIODE	NOT INSTALLED
C11	NOT INSTALLED	330 uF 16V CAP	NOT INSTALLED
C12	NOT INSTALLED	10nF 0805	NOT INSTALLED
C14	NOT INSTALLED	47uF 50V CAP	NOT INSTALLED
L2	NOT INSTALLED	100uH, IND	NOT INSTALLED
R14	100 ohm 0603	100 ohm 0603	10.0 ohm 0603
R23	100 ohm 0603	100 ohm 0603	10.0 ohm 0603
R24	100 ohm 0603	100 ohm 0603	10.0 ohm 0603
R33	100 ohm 0603	100 ohm 0603	10.0 ohm 0603
R34	100 ohm 0603	100 ohm 0603	10.0 ohm 0603
R37	100 ohm 0603	100 ohm 0603	10.0 ohm 0603
R38	100 ohm 0603	100 ohm 0603	10.0 ohm 0603
R41	100 ohm 0603	100 ohm 0603	10.0 ohm 0603

POWER TABLE

REF DES	DEVICE	DEVICE VOLTAGE INFORMATION					DEVICES: FILTER CAP REF DES(S)
		AGND	GND	+5V	+12V	-12V	
U8	24C04		4	8			C10
U10	LM324A				4	11	C19, C21
U6	74VHC574		10	20			C8
U2	TLV5618	5		8			C2
U7	74VHC125		7	14			C9
U3	TLV5618	5		8			C3
U4	TLV5618	5		8			C4
U11	LM324A				4	11	C20, C22
U5	TLV5618	5		8			C5