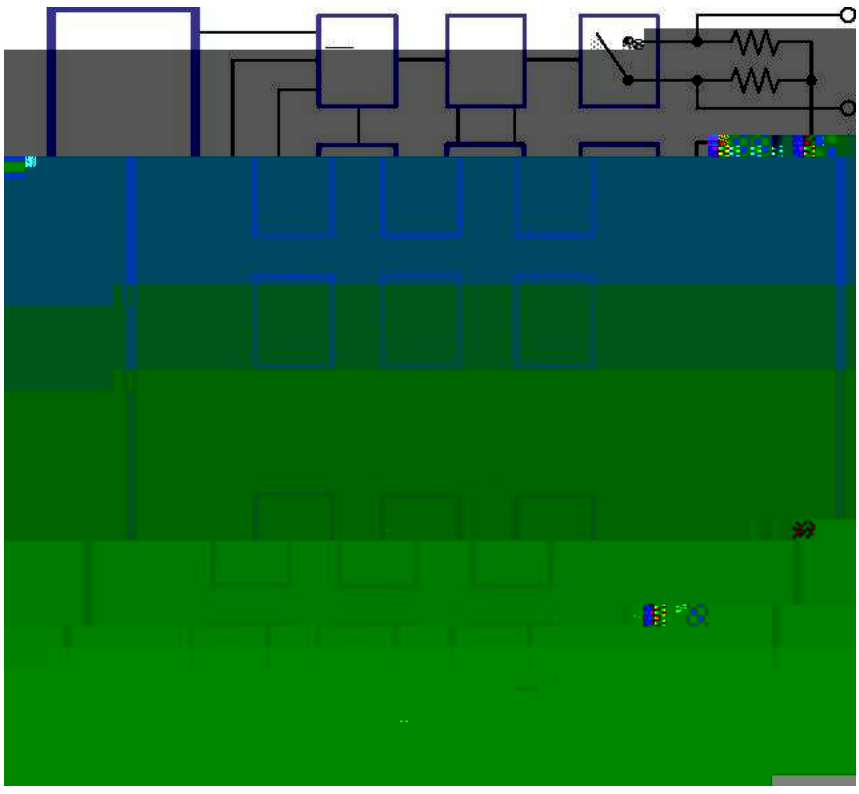

Parameter	Value
!	
" # $	' !
% &	( )*)*
+ , - . / 0!1	3

#bsolute $a%imum Ratin&s are those 'alues be(ond whi"h dama&e to the de'i"e ma(o""ur.)un"tional operation under these "onditions is not implied. *ontinuous operation of the de'i"e at the absolute ratin& le'el ma(affe"t de'i"e reliabilit(. #ll 'olta&es are referen"ed to de'i"e &round.

Sym	Parameter	Value
	+	
	$ $	'
	$ $	(
64	4 $	5
6	+	
%67	! " "	
8!	9 &	)*)*

Notes:

1. Power up/down sequence is arbitrary except GND must be powered-up first and powered-down last.
2. V_{SIG} must be within V_{NN} and V_{PP} or floating during power up/down transition.
3. Rise and fall times of power supplies V , V_{PP}, and V_{NN} should not be less than 1.!mse".

preliminar

DC Electrical Characteristics

+o'er re"ommended operatin& "onditions unless otherwise noted,

Sym	Parameter	0 C		!2" C			!#0 C		$nits	Con%itions	
		&in	&a'	&in	(yp	&a'	&in	&a'			
;9 %	%& + $ 9				'				Ω	6%67 : &!	: (
										6%67 : ' &!	: (

)C Electrical Characteristics

+o'er re"ommended operatin& "onditions, V **0 /.!**V, t_R **0** $t_)$ ≤ 5. ns! 5 **"** duty cyc#e! **$**

Sym	Parameter	0 C		!2" C			!#0 C		$nits	Con%itions
		&in	&a'	&in	(yp	&a'	&in	&a'		
%	% & > G	'		'			'			
3 G	8 & + $ G	(			(		(			:
		'			'		'			:
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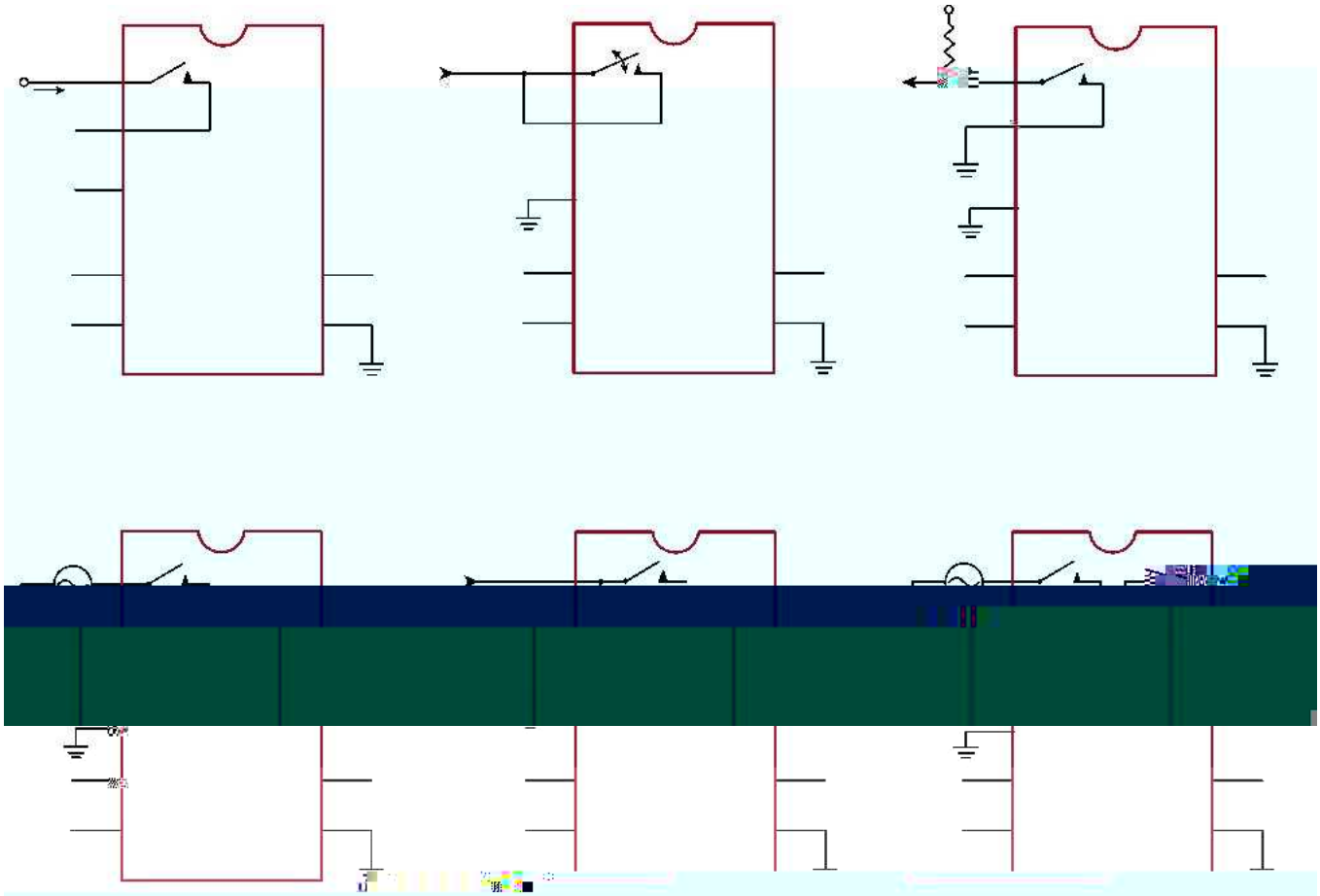
[redacted]



*ogic +unction (a,le

D0	D1	---	D#	D.	---	D1"	*E	C*/	S00	S01	---	S0#	S0.	---	S01"

Notes:

1. .he 13 swit"hes operate independentl(.
2. Serial data is "lo"4ed in on the **1** to **5** transition of the ***16**.
3.



Pin Description

48-Lead LQFP (FG)

Pin #	Function	Pin #	Function	Pin #	Function	Pin #	Function
1	NC	13	VNN	25	SW15B	37	SW10B
2	NC	14	NC	26	SW15A	38	SW10A
3	SW4B	[redacted]	[redacted]	27	SW14B	39	SW9B
4	SW4A	16	NC	28	SW14A	40	SW9A
5	SW3B	[redacted]	[redacted]	29	SW13B	41	SW8B
6	SW3A	18	VDD	30	SW13A	42	SW8A
7	SW2B	[redacted]	[redacted]	31	SW12B	43	SW7B
8	SW2A	20	CLK	32	SW12A	44	SW7A
9	SW1B	[redacted]	[redacted]	33	SW11B	45	SW6B
10	SW1A	22	CLR	34	SW11A	46	SW6A
11	SW0B	[redacted]	[redacted]	35	NC	47	SW5B
12	SW0A	24	RGND	36	NC	48	SW5A

premiinary

Pro%uct &arking



2.3*ea% *4+P 5+67
(top view)



YY = Year Sealed
WW = Week Sealed
L = Lot Number