





























































Config Menu (diagram)	
LV500 92V64-1 LV Setup Config Current Volta Limit	1st
Device Supply Termination Supply: Logic Families V1 V2 Ref	13)
Force High Voltage: GND	7
V1 V	

	Config Menu (LV512)	
H	UNITED STRATE STRATEGY CONTACT CONTACT	
	Device Supply (DSU) : ESCOL	
	Termination Supply: Duant Logic Families	13
	Ref [TTL/CHOR] Ref [TTL/CHOR]	j,
	Force High Voltaget CHD 2.480 GHD 4.580 Force Low Voltaget CHD 0.580 GHD 6.580	1
	Conpure Voltaget OHD 20480 OHD 20580	
	Sector Logic Selection	
-11		
	Convents	
	The PA PA PART PART PART	



DUT W	iring Menu	
LIV 500 SCU64-1 LV. Sett Logical Path Name	up DUT Kiring 1dle Legical Signal Have	Sector- DUT Channel Pin
	cir*	11.0
1		
2	10	
3	47	
	-	1274 10.4
3	-	2.9 10.5
6		12.01 (M.A.
7	142	10.71 10.7111
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		10.01
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They They	F4 CLEHR SPEC	-



Channel Menu (LV500)										
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Logical Signal	Channe1	Tiking	Column Hask							
	2.4	Group	orr							
	2.5	Group								
	2.6	Group								
	2.7	Group	orr							
	8.5	Group	OFF							
	2.9	Group	orr							
	2.0	Group	INCOME IN CONTRACTOR							
	2.6	(Brokel)	LOLUTI							
ettern strong	P4 DLEM PFE		POSPE CLT	- An						

Cha	Channel Menu (LV500)										
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There are a second seco			PONESE OFLETE	-							

















Pattern Menu										
Line	Telect	-		LUNI	1.		Expected			
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T AL	ti Marca	13 UCO	PA INST	Bert I			RELEVE			



S	uccessful T	est
LU 500 SQUE4-1	Display Pattern clr sel data sir cl L LL esseesse 113	Expected 1k en a H LL 00
0 # 	Simple test of the 299 sh H LL 00000000 LL H LL 00000000 HH H LH 10000000 HH H LH 11000000 HH H LH 11000000 HH H HL 10000001 HH H HL 10000001 HL H HL 0101010 LL H HL 0101001 HL H HL 01010011 HL	Lfter H LL 00 H LL 00 H LL 00 H LL 10 H LL 10 H LL 11 H LL 01 H LL 01
	15 F4 F5 URDO HWEK DEFTHE START FORMUT	DELETT LINE

	Fa	iled	Tes	t	
ine Select	clr sel	data pendata	sir cik	en q LL 00	Expected
1 clear 0 % 1 clear 2 shift 3 shift 4 shift 5 shift 6 shift 7 lood 8 9 shift 10 shift 11 shift 12 shift	Simple ter H LL H LL H LL H HL H HL H HL H HL H H	at of the 00000000 00000000 10000000 10000000 10000001 10000001 10010001 10101010	299 JAIFU LLL HH H H H H H H H H H H H H H H H H		
F3 F2 START SEARCH	F3 UHEO	F4 NARK STORT	FS DEFINE FORMUT		PELETE LINE























	Overview 🔳
	On every tester cycle the LV500:
	 Applies a set of signals to the DUT The data to "Force" is defined in the Pattern Which signals are "Forced" on this cycle is defined in the template When the data are applied is defined relative to the "clock phase" template
	The names of the signals and which tester channels they are on are defined in the DUT wiring menu
	 At the right time (defined in the template) the tester captures and compares the data from the DUT Compares against the data in the Pattern
-	











								D	ECOE	ible 4 IER S	2 TATUS			
					Inp	uts	1	atch	Statu	ns/Dec	oder (Dutputs		
	Table 4- PIN MAP FOR 74F54	3 17 DECO	DER	61- L	82- L	63 L	- 1		Tran	iparer	t Addr	iss inp	uts des	ode
Signal	Sector/Channel	DUT	Pin =	i	HH	Ľ,			Trate	sparer	Ad =	HIGH	00000	
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81	2.d		7	Ĥ	ĥ	Ľ		i i	Trans	sparer	x .			
aD	2.0		6	м	н	н		l	Store	ng -				
d0~	3.6		12		-{= 3	neene n	egative	-true l	logic)					
q1-	3.7		2											
dz-	3.8		1											
Q3-	3.9		19											
Q4-	3.8		18						Tal	ble 4-1	1	1.1.1.1		
00-	3.0		8				11	NTUP	TABL	E FOR	DECO	DER		
40-	3.0		9	_	Inne	-	0							
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■ 547 D	OUT Wiring		
Logical Path Name	Logical Signal Huma	Sector- Channel	but Pin
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	and the owner water w		12
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18	107	18.81	19
SCHOOL	5/6C		

		54	7 T	em	pla	te		
		SSAEAUUU I			Temple te			
	Templotet 12-0	litte_0	Lock1		Resolu	Lion1 [509)		
EUI	Group/Elignal Hane	Pin Function	Format	Clock Phase	10	- Length: Delay)l Waath
		FORCE	DHR2 L	04	×	0.0rs	TRACTOR	8074
		COMPHRE	EDGE T	04				-
		FORCE	DHRZ L	04	Ŭ	0.000		Ne
		FORCE	DHR2 L	01	×	0.014		19014
	en Clart Science	0.18	-	rd Sciuli		P6 RDW/E	DELETE	-

		54	7 Pa	tte	rn			
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0 0.04567.0	template_0 template_0 template_0 template_0 template_0 template_0 template_0 template_0	*====	67 pattern -0111111 1011111 1101111 1101111 1110111 1110111 1111101 1111101 11111101	data bi Uiti Uiti Uiti Uiti Uiti Uiti Uiti Ui	egina 1 H H H H H H H H	wre		
	t time	12 UC0	in the second se	eeri				









Templatet	064+1.	Lock1	orr	Resolu	ution1 500p		
Group/Signal	Function	Format	Clock Phose	10	Delay		Hidth
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data:		EDGE 1	00				eens.
a sara		DMP2 L	- M	×	e.ens		10010
cik		RO			40.005		10010
i en	FORCE	DHRZ I	1 1941	×	0.0ns	Land I	1.08-1
	CONFINE	EDGE	ti inti		0.0%		100-1
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74LS299 Pattern										
LU 500 Line Number Select	92064-1 clr	Sel LL	da to , eecceso	sir	c1k H	en. LL	ц 88	Expected		
0 		*****	test of the 00200000 0000000 1000000 1000000 1000000 1000000	22 JEEEEJJJJJEE		59333333333333	80 80 10 10 11 91 10 90 11 91			
AND CONTRACT		19 131 1 10	F4 INJEK STORT	PS DEPTH FORM	E.T.		•	FT DELETE LTHE	FB ROOL	