

OrCAD New Enhancements



13/Aug/2013

Topic

GraserWARE FrontendPack

erence

- Replace BUS Alias
- Import/Export Properties
- Design NC-Part Setting
- Design Compare
- Graser Allegro Netlist

Replace BUS Alias

Rename BUS Alias

- By Selection
- By Page
- By Design

B <u>MS</u> RD	45 44			DSP_D[013]	(DSP_D[013]
WR		<<^DSP_WR		COR DAT	
3561	21	DSP D0		apture Replace Bus Allas	
A0	22	CDSP_D1		Find Name DSD A	73.
A1	23	DSP_D2		Replace Name DSP_A	GC ² To
A2	24	DSP_D3		-Scope	
AJ AJ	25	DSP_D4		Replace By Selection	Gra
	27	DSP_D5	610	Replace By Page	
A6	28	DSP_D6		Replace By Design	
A7	30	DSP_D7		14 wire(s) effected	Replace Close Help
	31			This utility handle Net Alias of Bu	is only.
A8	32			You can handle Bus Name, Hierard	chical Ports,Offpage
A9	33	DSP D10	15	(Menu: Edit->Global Replace)	rarchical Pins name by Global Replace
A10	34	DSP D11		SEP	
A11	635	DSP D12			13
A12	36	DSP_D13	∕ ∟		rase.
A13		65356			aser
	2105	5 0			Gra

Replace BUS Alias

Rename BUS Alias

- By Selection
- By Page
- By Design

	· · · · · · · · · · · · · · · · · · ·	1117
	U20 PD0	2
PD0 2	PD1	3 A1
PD1 3	A1 B1 17 DSP D0 PD2	4 A2
PD2 4	AZ BZ 16 DSF_D1 PD3	5 A3
PD3	Capture Replace Bus Alias	6 A4
PD4 6	PD5 S	7 A5
PD5 7	Af Find Name XD	8 47
PD6 8	AT PD7	9 48
	Al Replace Name PD 0 10 7	10
10	Scope SET HC114	19 G · · ·
	G Replace By Selection	
· DSP_RD{{ →	DI Replace By Page	74410
	74 Replace By Design	74ALC
· · · Gra · · · ·	48 wire(s) effected Replace Close Help	1122
		2
PD0 2	This utility handle Net Alias of Bus only.	3 A1
PD1 3	A 1 Tou can handle Bus Name, Filerarchical Ports, Olipage PC_A2	4 A2
PD2 4	A2 Connectors (release at v10.0), riterarchical Phils fiame by Global Replace	5 A3
PD3 5		6 A4
PD4 6		7 A5
PD5 7		8 47
<u>OPD6</u> 8	A7 B7 $aa < 0 SP D14$ PC A8	9 48
<u>PD7 9</u>	$A8 B8 \longrightarrow DSP D15$	
🤤	NUC NOT AND	
		7.000

Import/Export Part Properties

- Is the property editor in Schematic always annoying??
- Export Design Properties to Excel

G	Im	port & Expo	ort Property V1.0	•					01		16P	
F	Expor	t Import	3ra		13.			0			32	cadence
	Docic	D:/Test	tDSN/com_pare/RENC		V DSN			-				
	Desig	III. [0./Tes		Tamalata :	V.05IV						Grat	
Mode © Instance © Occurrence		l emplate •	Template : C:\Program Files (x86)\GraserWARE\FrontendPack\graser.tpr							Foo		
		C:\Program					Property Edito	r L D L D D L	Parata Pinta Pinta and	torin		
	-	-		Part	Part Pin Flat N	et		612	New Property	Display Delete	Property Privat Prilter by: < Lurrent properties >	and
	Scop	e BENCH ALLE	GRO NEW	ID						A		v t t t t t t t t t t t t t t t t t t t
		GA	В	C	D	Е	F	G G	Н	I BENCH: B:C3	J K L	M
	1	Design	D: \TestDSN	\com_pare\H	BENCH_ALLEGE	RO_NEW.DSN						
	2	HEADER	ID	Page	Name	Part Reference	PCB Footprint	Value	Part Number	Tolerance	Description	
	3	PARTINST	:BE 3338083398:U9	А	I-956883898	U9	dip16_3	74ALS138	20-00045		IC, 74ALS138, multiplexer, Standard input, In	verted, totem ouput
	4	PARTINST	:BE3338083401:U8	А	I-956883895	U8	dip20_3	74ALS273	20-81432		IC, 74ALS273 OCTAL D POS EDGE TRIG	G 20 DIP
	5	PARTINST	:BE3338083402:U1	(A	I-956883894	U10	dip20_3	74ALS245	20-003297		IC, 74ALS245 (N)OCTL TRI-ST TRANSCV	R 20DIP
	6	PARTINST	:BE3338083403:D1	А	I-956883893	D1	SMDLED	RA-LED	40-00017	EP	LED Red	
	7	PARTINST	:BE 3338083404:U1	1A	I-956883892	U11	plcc28	22V10	20-00033		Bipolar PLD Device	
	8	PARTINST	:BE3338083405:U6	A	I-956883891	U6	dip16_3	7201	20-00042		FIFO Status Flag Expandable 512x9	
	9	PARTINST	:BE3338083406:U3	А	I-956883890	U3	dip16_3	7201	20-00042		FIFO Status Flag Expandable 512x9	
	10	PARTINST	:BE3338083407:U5	А	I-956883889	U5	dip20_3	6264	20-00062		CMOS Static RAM 8Kx8	EF
	11	PARTINST	:BI 3338083408:U2	Λ	I 956883888	U2	dip20_3	6264	20 00062		CMOS Static RAM 8Kx8	37
	12	PARTINST	:BE3338083409:U1	А	I-956883887	U1	dip20_3	6264	20-00062		CMOS Static RAM 8Kx8	
	13	PARTINST	:BE3338083410:U4	A	I-956883886	U4	dip20_3	6264	20-00062	r	CMOS Static RAM 8Kx8	
	14	PARTINST	:BE3338083411:U7	A	I-956883885	U7	dip20_3	6264	20-00062		CMOS Static RAM 8Kx8	
Ľ	15	PARTINST	:BE 3338083412:TP	1A	I-956883884	TP1	TP20	TESTPOINT	60-00038		Header, 1 row, 1 pin	
	16	PARTINST	:BE3338083413:P1	А	I-956883883	P1	headx12x45	HEADER12	60-00037		Header, 2 row x 6 pin	
	17	PARTINST	:BE3338083414:R2	А	I-956883882	R2	smdres	100	ERJ-2GEJ101X	5%	Carbon Film Resistor 100 OHM 1/16W 5% 04	402 SMD
	18	PARTINST	:BE3338083415:R1	А	I-956883881	R1	smdres	100	ERJ-2GEJ101X	5%	Carbon Film Resistor 100 OHM 1/16W 5% 04	402 SMD
	19	PARTINST	:BE3338083416:R3	А	I-956883880	R3	res400	10K	ERJ-8GEYJ103	5%	Carbon Film Resistor 10K OHM 1/8W 5% 12	06 SMD

Import/Export Part Properties

Import Part Properties from Excel to Design



ADE User APE Conference

NC-Part Setting

Design component sets are not present

- Manually add strings in Value
- Add a new field in the part property and then add a string to display on the page



NC-Part Setting

GraserWARE NC-Part Setting

- Simply set up part status
- Auto Parts, increase Value string or BOM_IGNORE property and change part color
- New BOM Export

Graservvar	7% NC-Part Export V1.1		
Apps NC-Part Viewer	BOM File Name: D:/TestDSN/OCC2INST/BENCH_ALLEGRO.csv Template: Graser(Graser.nct)		
NC-Part Export	Export Properties Unselected Selected		282u Grase
Help	Source Library Tolerence	Graser Graser	
· · · · · · <u>·</u>			

Capture Design Compare

Design version1 and version 2
 How do you know which part or Net-list is different??



Capture Design Compare

Design Compare

- By Part
- By Net



Graser Allegro Netlist

• Using the OrCAD Create Netlist, the schematic of the parts or net properties can be transferred to Allegro Board File.

Create Netlist PCB Editor EDIF 2 0 0 INF Layout 1 Part Value Combined property string: {Value}	PCB Footprint Combined property string: {PCB Footprint}	PCB PCB xnet.dat	
Formatters: GraserALGV21.exe allegro.dll GraserALGV21.exe oraccel.dll oralgorex.dll orApplbrav.dll orApplbrav.dll orApplleap.dll orCadnetix.dll Version: User-created formatter Netlist File 1: View Output d:\testdsn\com_pare\bench_allegro_new1.NE Netlist File 2: View Output d:\testdsn\com_pare\bench_allegro_new1.CN I Use Config File Netlist Canfig	BENCH.net - 記事本 福葉() 編輯() 橋和() 儀報 'c115' 'c116' 'c1 'c115' 'c16' 'c17' 'c15' 'c16' 'c17' 'c24' 'c25' 'c26' 'c35' 'c37' 'c38' 'c45' 'c46' 'c47' 'c54' 'c55' 'c56' 'c64' 'c65' 'c66' 'c73' 'c74' 'c75' 'c83' 'c84' 'c85' 'c92' 'c93' 'c94' voltage '100v';'c120' 'c12' voltage '6.3v';'c123' 'c12' voltage '25v';'c33' \$NETS \$A_PROPERTIES differential_pair 'pms_ld \$END	IIII IIII IIII IIII IIIIIIIIIIIIIIIII	SER Grase
Grasen	Browse 隆定 取消 説明	Graser Graser A	013 Graser UGB User APEL Conference