

Your Partner with the needed Experience  
NX-Schematics / NX-Routing

**LTX**  
Software

Your success is  
our goal!

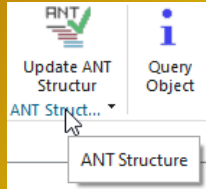
Cad-OasEs Int. GmbH  
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You have to be unique, different,  
and shine in your own way



## 2D Schematic (Electrical Diagram / Full BOM Structure)



Assembly Navigator

Descriptive Part Name	Info	RIL_MCI
Sections		
[-] schematics_ant_test (Order: Chronological)		
[-] 115E05200 x 11		
[-] AWG_22_Yellow		
[-] AWG_22_Green		
[-] AWG_22_Red		
[-] 8006-d38999-26me35sn-000usm000_00 x 4		
[-] Cable_AWG_22_Red_Blue_Yellow		test1
[-] M39029_106-615 x 32		

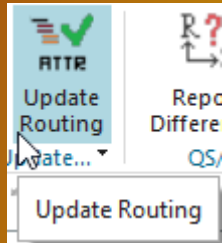
Everything in your Schemata comes into the ANT as component with all the Attributes.

RIL_CIRLABEL	C4
RIL_CMPVAL	TRUE
RIL_FROM_DEVICE	Roland
RIL_FROM_PIN	G
RIL_TO_DEVICE	Ottilia
RIL_TO_PIN	C

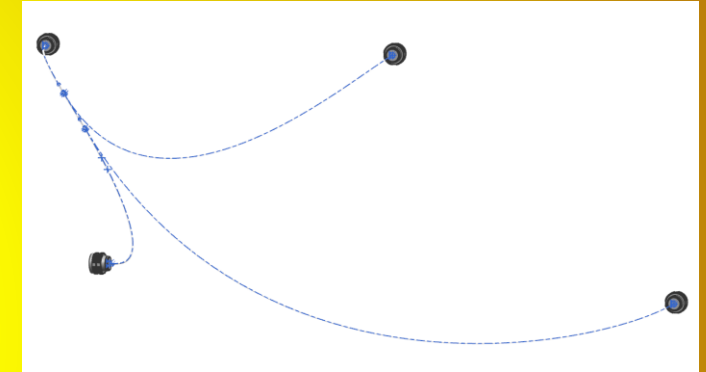
The Connection (Wire and Cable) have the information from where to where they are go.

Advantage: Full BOM structure with Attribute without any 3D and all parts are directly in your PLM system.  
 All Attributes and Connections can be displayed in your PLM system.  
 Ordering can be done directly from the Formboard structure.

## 3D Routing based on the 2D Schematic (Electrical Diagram / Full BOM Structure)



Descriptive Part Name	Info	RIL_MCLAB	RIL_CIRLABEL	RIL_FROM_DE...	RIL_FROM_PIN	RIL_TO_DEVICE	RIL_TO_PIN	CALLOUT
Sections								
[-] routing_ant_test (Order: Chronological)								
[-] Constraints								
[x] 8006-d38999-26me35sn-000usm000_00 x 4								4000
[x] 115E05200 x 11								
[x] AWG_22_Yellow			C6	Roland	B	Ottilia	A	
[x] AWG_22_Green			C4	Roland	G	Ottilia	C	
[x] AWG_22_Red			C5	Roland	E	Ottilia	B	
[x] Cable_AWG_22_Red_Blue_Yellow		test1		Ted		Ottilia		
[x] M39029_106-615 x 32								

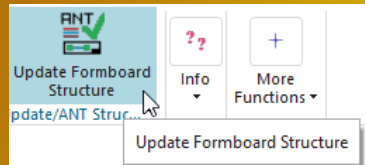


Everything in your Schemata comes into the ANT as component with all the Attributes. Wires and or Cables have also the length / cut length and if needed the weight as attribute.

The Connection (Wire and Cable) have the information from where to where they are go.

Advantage: Full BOM structure with Attribute without the need to place them and everything directly in your PLM system. All Attributes and Connections can be displayed in your PLM system.

# Formboard based on the 3D Routing which is based on the 2D Schematic (Electrical Diagram / Full BOM Structure)



Descriptive Part Name	RIL_MCLAB	RIL_CIRLABEL	RIL_FROM_DE...	RIL_FROM_PIN	RIL_TO_DEVICE	RIL_TO_PIN	CALCULATED...	CALLOUT	01_REFDES
Assembly Navigator									
Sections									
routing_ant_test_dwg3 (Order: Chronological)									
routing_ant_test									
8006-d38999-26me35sn-000usm000_00								3000	Roland
8006-d38999-26me35sn-000usm000_00								1000	Keith
8006-d38999-26me35sn-000usm000_00								2000	Ottilia
8006-d38999-26me35sn-000usm000_00								4000	Ted
M39029_106-615 x 32									
Cable_AWG_22_Red_Blue_Yellow	test1		Ted		Ottilia		11.322828		
AWG_22_Red		C5	Roland	E	Ottilia	B			
AWG_22_Green		C4	Roland	G	Ottilia	C			
AWG_22_Yellow		C6	Roland	B	Ottilia	A			
115E05200 x 11									



Everything in your 3D Routing comes into the ANT as component with all the Attributes. Wires and or Cables have also the length / cut length and if needed the weight as attribute. We also bring over the CALLOUT from the 3D Routing (normally not possible with formboard)

The Connection (Wire and Cable) have the information from where to where they are go.

Advantage: Full BOM structure in the formboard without the need to place them and everything in your PLM system. All Attributes and connections can be displayed in your PLM system. Ordering can be done directly from the formboard structure.