

PASS Import Data (PID) File Specification

MAIN Netlist Only

Scope

The .PID Import function is used to allow our customers to automatically import data that has been created by another database. This feature is used when another product design/manufacturing database already contains the data that comprises an electrical configuration and the customer wants to automatically import the data directly into the PASS software. In most cases this database will only contain the electrical (netlist) data and not the process flow (Sequence, Message, Test voltages and other PASS settings). For this reason the customer may want to only import a portion on the program and may want to automate the import function.

The import function needs to read in data found in the .PID file and insert it into the currently opened file. Any data in the tables of the currently opened file will be over written by data in the .PID format. All other data in the currently opened file will not be affected.

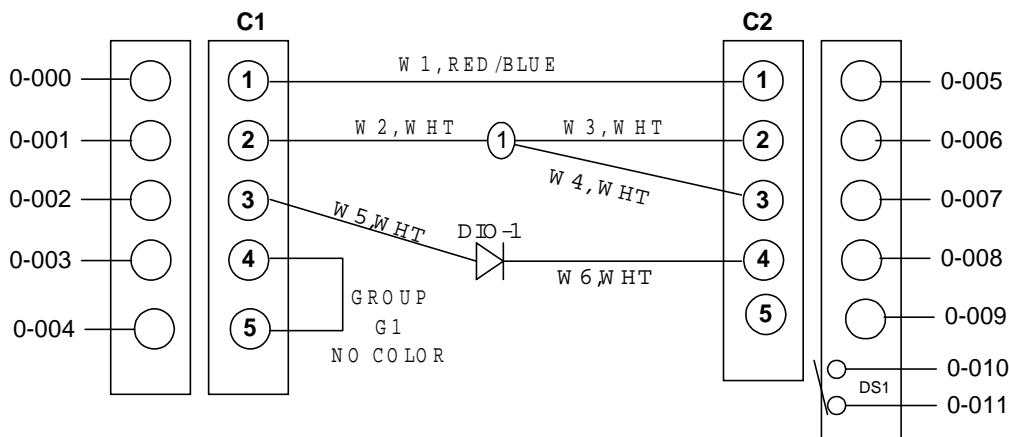
To automate this function, the user will enter a folder location (add a "PASS Import Data Folder Location" in the PASS Setup form) for the .PID files. When the .PID Import function is executed, the routine will look in the specific folder and attempt to import the .PID file that has the exact same name as the currently open file.

Import PID

- When the user selects "Import PID", an Open File Dialog Box is displayed and opens to the directory declared in the "Tools->PASS Settings->PID File Location". The filename control must contain the filename of the currently opened DPF with the .PID extension. So the user can hit the enter key and the file is imported. The file type control displays "PID Files (*.pid)".
- If the file is not found, display "File not found" dialog box. Show the filename with complete path.
- If file is found, import data into currently open program.
- If the PID has data entry for a table in the currently opened DPF, delete the DPF data and replace with PID data.
- All other DPF data in the currently opened file will not be affected.
- Reference the PID Format Specification for importing details.

Example

The below schematic is used for the example data in the format definition.



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PASS Import Data .PID Format

The format is a ASCII text file. File cannot contain the "[" or "]" symbols, except for table delimiters.

Delimiters	
Section	[xxx]
Records	Carriage return
Fields	White Space or tab

General Data

Syntax	Example	Description
;	;this is a comment	comment line
[header] H1	[header] ABCD-3433-444 Chrysler 2002 WT Program EMM Vehicle	List of part numbers and other products information, 9 lines maximum. This information will be appended to the Message Table , lines 101 through 110
[wirecolor] C1 C2	[wirecolor] RED 1 BLU 2 WHT 3	Field1: Wire Color, 13 characters max. Field2: Sequential number [1..128] The Wire Colors is a lookup only table and is not required for compiling the program
[wires] W1 W2 W3 W4 W5	[wires] W1 0 RED BLU 0 W2 0 WHT 0 0 W3 0 WHT 0 0 W4 0 WHT 0 0 W5 0 WHT 0 0 W6 0 WHT 0 0	Field1: Wire name, 12 chars. max. Field2: Not used, always 0, PASS manual entry only Field3: Base color, 6 chars. max., "0" if no color Field4: Stripe color, 6 chars. max., "0" if no color Field5: Not used, always 0
[pins] E1 E2 E3	[pins] C1 1 W1 C1 2 W2 C1 3 W5 C1 4 (none) C1 5 (none) C2 1 W1 C2 2 W3 C2 3 W4 C2 4 W6 C2 5 (none)	Field1: Connector name, 12 chars. max. Field2: Pin (cavity) name, 12 chars. max. Field3: Wire name, 12 chars. max. Note: use *UNC* or "(none)" if no connection in Field3
[splices] S1 S2	[splices] 1 W2 1 W3 1 W4	Field1: Splice number [1..999] Field2: Wire name, 12 chars. max.
[components] C1 C2 C3 C4 C5	[components] DIODE 1 W5 W6 0	Field1: Component type, RESISTOR, DIODE, CAPACITOR, K-RESISTOR, UNET, DIOM, RESM. Field2: Component number [1..999] Field3: Wire name side A, 12 chars. max. Field4: Wire name side B, 12 chars. max. Field5: Test parameter [1..999], DIODE always 0

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Syntax	Example	Description
[reversible] R1 R2 R3 R4 R5	N/A	Field1: Reverse number [1..999] Field2: Connector name 1, 12 chars. max. Field3: Pin name 1, 12 chars. max. Field4: Connector name 2, 12 chars. max. Field5: Pin name 2, 12 chars. max.
[group] G1 G2 G3 G4 G5 G6	[groups] G1 C1 4 -1 0 0 G1 C1 5 -1 0 0	Field1: Group ID name, 12 chars. max. Field2: Connector name, 12 chars. max. Field3: Pin name, 12 chars. max. Field4: Not used, always "-1", PASS manual entry only Field5: Base color, 6 chars. max., "---" for none Field6: Stripe color, 6 chars. max., "---" for none
[connectors] C1 C2 C3 C4 C5 C6 C7 C8	[connectors] C1 5 0 0 0 - -1 -1 C2 5 1 0 0 - -1 -1	Field1: Connector name, 12 chars. max. Field2: Total pins per connector Field3: Total wedge switches per connector Field4: Total polarization switches per connector Field5: Total detection switches per connector Field6: Grid location, in not used, insert "-" Field7: Pushouts, not used, always "-1" Field8: Lamp pin location, if not used, insert "-1"
[fixture] F1 F2 F3	[fixture] 0-000 C1 1 0-001 C1 2 0-002 C1 3 0-003 C1 4 0-004 C1 5 0-005 C2 1 0-006 C2 2 0-007 C2 3 0-008 C2 4 0-009 C2 5 0-010 C2 DS1- 0-011 C2 DS1	Field1: Test point xx-yyy format, 'xx' [0..15] 'yyy' [0..127], entry = "MAIN" if secondary netlist and fixture table is to refer to "MAIN" netlist Field2: Connector name, 12 chars. max. Field3: Pin name, 12 chars. max.
[switches] S1 S2 S3	[switches] C2 DS1 DS1-	Field1: Connector name, 12 chars. max. Field2: Switch name, 10 chars. max. Field3: Common name, 11 chars. max.