

## APT-9411 SYSTEM VERSION V1.1-8c (Version up information from former V1.1-8)

We improved the APT-9411 operating system as described below.

### SUB: Error file convert for Test Coverage Report (APT-9411)

With the APT software after Ver1.1-8c, the user can import the APT\_9400\_E.ASC files prepared by the Test Expert in the disposal process of “missing access”, so that they will be added to the Test Coverage Report after converted automatically into a form suitable for the APT system. This document gives you the outline of complementing the Test Coverage Report in this way.

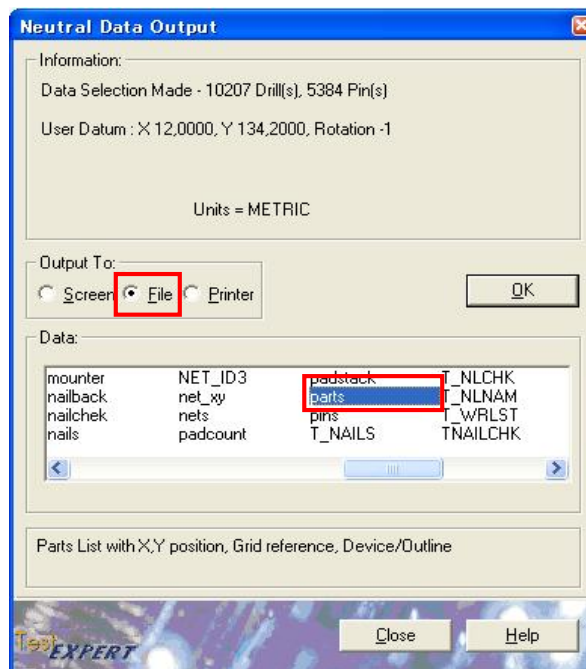
### All files necessary at data convert

File name	description	Reason why needed
DEVICE.LIB	Device information file	This provides Value, Tolerance and Comment
PARTS.ASC	Parts information file	This associates Parts name with DEVCE.LIB
NAILS.ASC	Contact point information file	This is used to check conformity of step data with the board side of the error file.
BOARD.ASC	Board ref point information file	This provides the Board reference point.
PINS.ASC	Pin coordinate information file	This provides the pin coordinates.
APT9400_E.ASC	Convert error file	This provides information on the unconvertible error

The DEVICE.LIB file is automatically generated by the Test Expert during the data conversion, but the other files should be output manually according to the following procedures;

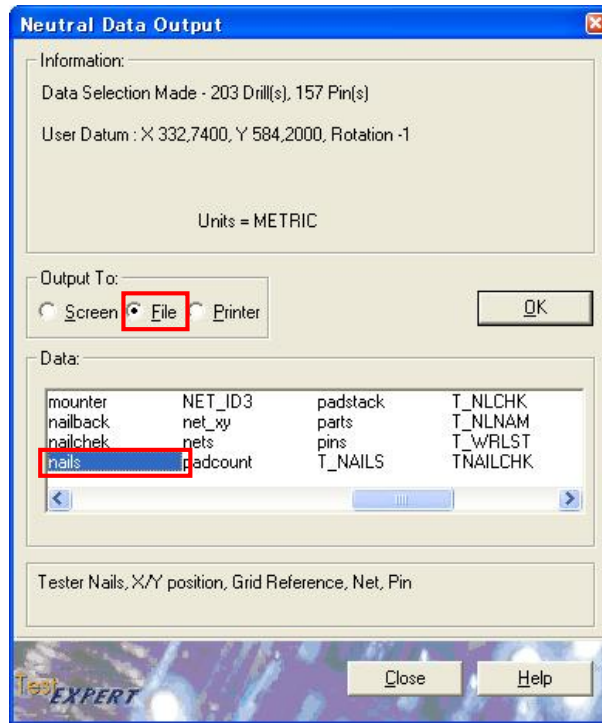
(How to output the PARTS.ASC file)

Configure the Neutral Data Output window (Options > Output > Neutral Data Output) and output the file.



(How to output the NAIL.ASC file)

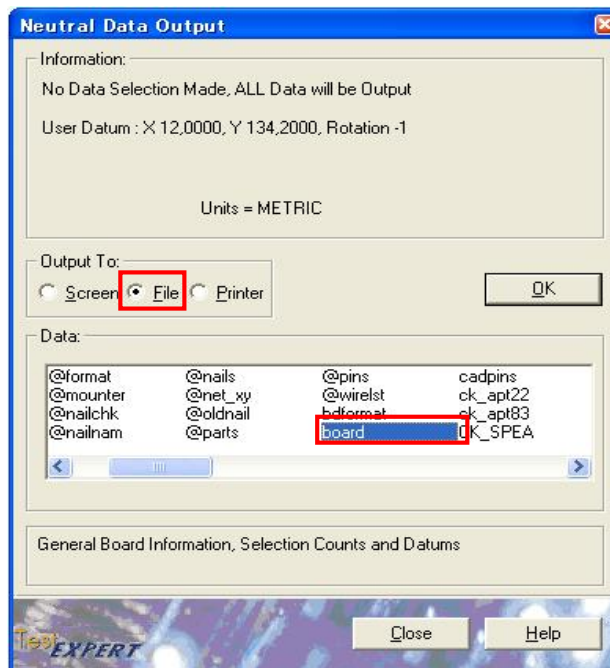
Configure the Neutral Data Output window (Options > Output > Neutral Data Output) and output the file.



(How to output the Board.ASC file)

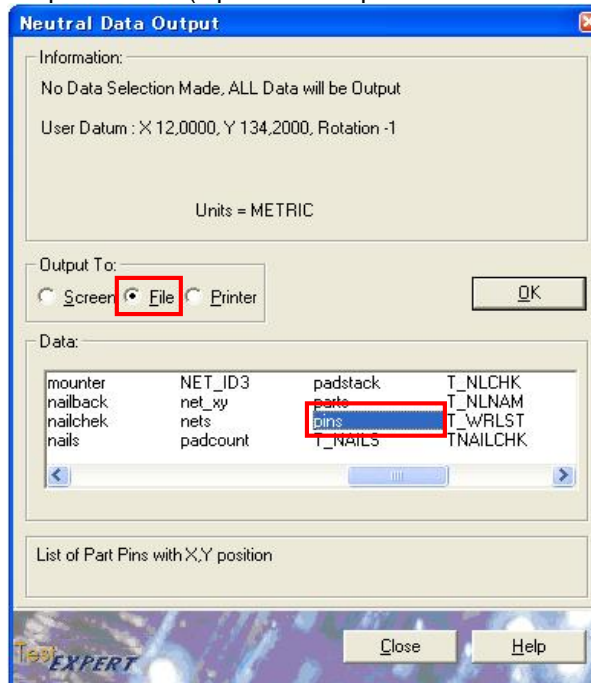
Configure the Neutral Data Output window (Options > Output > Neutral Data Output) and output the file.

When the Board.asc file is output, be sure to output the opposite side of your reference side. (Usually, the default is the bottom side, so you have to output the top side in this case)



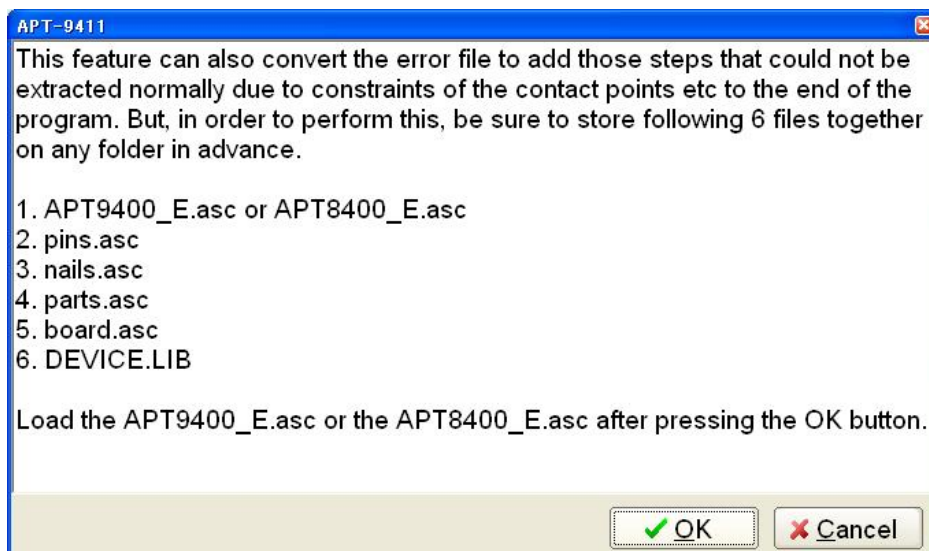
(How to output the PINS.ASC file)

Configure the Neutral Data Output window (Options > Output > Neutral Data Output) and output the file.



### How to convert the Convert error file

1. All the time when this conversion function is used, the user has to convert the APT-94XX program into A/B-side data. Because of this, after loaded the TOP side program, go to Data Mode > Coordinates management to select the box "A/B side Exchange function" and import the BOTTOM side program into B-side.
2. Save all these 6 files in the same folder. Then click-hold on the APT9400\_E.ASC file and drag and drop it anywhere on the APT software screen. Otherwise, press CLTR+SHIFT+ALT+P key simultaneously to display the following screen and click the OK button to select the APT9400\_E.ASC file. After that, the conversion will start automatically.



## Test program after conversion

All the converted data are already added to the end of the test program. As shown on the step list below, they are displayed with bit dark background and will be handled as Jump steps

Step	Aux.	Parts	Value	Comment	H-pin	L-pin	F.	+%	-%	Reference	Test	Judge	I-Xcoor
008732:		IC1008	PK7-K8	C3ABQJ000048	7221	8237	**	10	10				[+164.013
008733:		IC1008	PK10-K11	C3ABQJ000048	7221	8237	**	10	10				[+164.013
008734:		IC1008	PL1-L2	C3ABQJ000048	8132	8258	**	10	10				[+179.338
008735:		IC1008	PL8-L9	C3ABQJ000048	8323	8258	**	10	10				[+185.238
008736:		IC1008	PM1-M2	C3ABQJ000048	8134	8166	**	10	10				[+179.338
008737:		IC1010	P118-119	TVRP143	9700	5405	**	10	10				[+102.750
008738:		IC1008	PB3-B4	C3ABQJ000048	9758	7221	JP	10	10				[+164.013
008739:		IC1008	PB9-B10	C3ABQJ000048	7221	9759	JP	10	10				[+164.013
008740:		IC1008	PB10-B11	C3ABQJ000048	9759	7221	JP	10	10				[+164.013
008741:		IC1008	PG2-G3	C3ABQJ000048	8702	9760	JP	10	10				[+199.400
008742:		IC1008	PG3-G4	C3ABQJ000048	9760	2	JP	10	10				[+102.750
008743:		IC1008	PG9-G10	C3ABQJ000048	2	9761	JP	10	10				[+164.013
008744:		IC1008	PG10-G11	C3ABQJ000048	9761	8462	JP	10	10				[+164.013
008745:		IC1008	PK8-K9	C3ABQJ000048	9762	8237	JP	10	10				[+188.398
008746:		IC1008	PK11-K12	C3ABQJ000048	9763	8258	JP	10	10				[+189.798
008747:		IC1008	PK12-L1	C3ABQJ000048	9764	8258	JP	10	10				[+189.798
008748:		IC1008	PL2-L3	C3ABQJ000048	9765	8258	JP	10	10				[+189.798
008749:		IC1008	PL3-L4	C3ABQJ000048	9766	8258	JP	10	10				[+189.798
008750:		IC1008	PL9-L10	C3ABQJ000048	9767	8166	JP	10	10				[+184.393
008751:		IC1008	PM2-M3	C3ABQJ000048	9768	8166	JP	10	10				[+184.393
008752:		IC1010	P31-32	TVRP143	6294	9769	JP	10	10				[+112.650
008753:		IC1010	P32-33	TVRP143	9769	1693	JP	10	10				[+049.200
008754:		IC1010	P38-39	TVRP143	6997	9770	JP	10	10				[+144.648
008755:		IC1010	P39-40	TVRP143	9770	9771	JP	10	10				[+172.425
008756:		IC1010	P40-41	TVRP143	9771	9772	JP	10	10				[+172.425
008757:		IC1010	P41-42	TVRP143	9772	9489	JP	10	10				[+172.425
008758:		IC1010	P53-54	TVRP143	4445	9773	JP	10	10				[+094.248
008759:		IC1010	P54-55	TVRP143	9773	9774	JP	10	10				[+172.425
008760:		IC1010	P55-56	TVRP143	9774	6275	JP	10	10				[+101.650
008761:		IC1010	P57-58	TVRP143	1690	9775	JP	10	10				[+036.348
008762:		IC1010	P58-59	TVRP143	9775	6619	JP	10	10				[+159.173
008763:		IC1010	P85-86	TVRP143	8774	9776	JP	10	10				[+181.000
008764:		IC1010	P86-87	TVRP143	9776	6132	JP	10	10				[+107.650
008765:		IC1010	P87-88	TVRP143	6132	9777	JP	10	10				[+107.650
008766:		IC1010	P88-89	TVRP143	9777	4799	JP	10	10				[+080.750
008767:		IC1010	P90-91	TVRP143	3121	9778	JP	10	10				[+073.837
008768:		IC1010	P91-92	TVRP143	9778	9779	JP	10	10				[+183.500