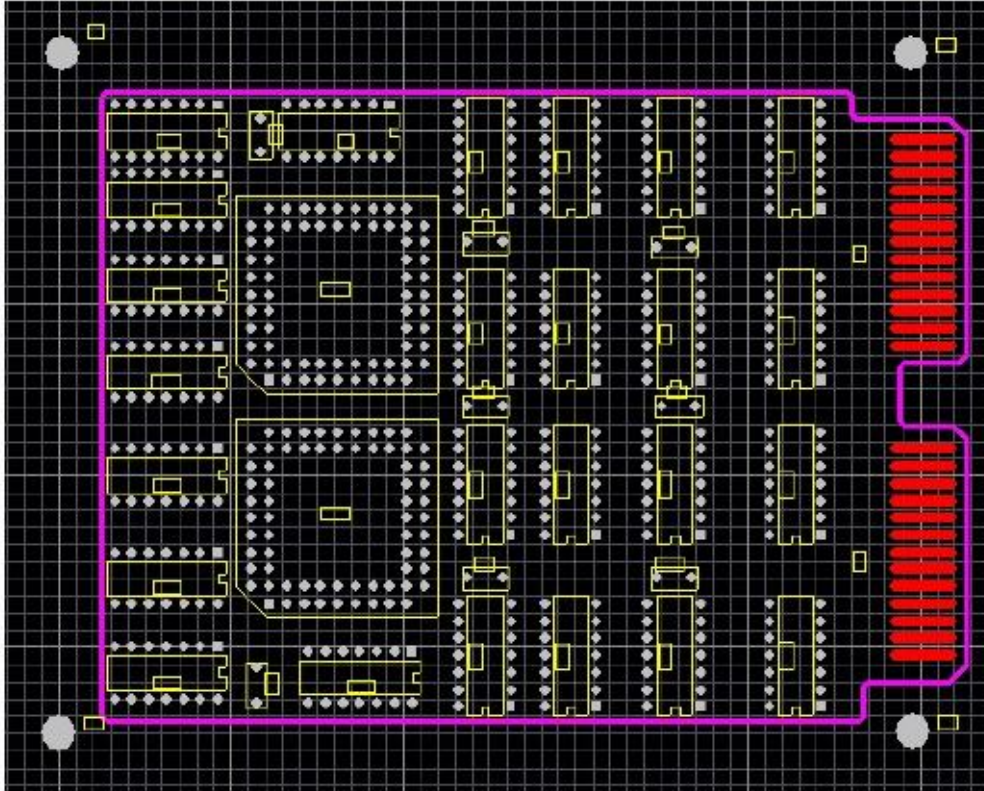


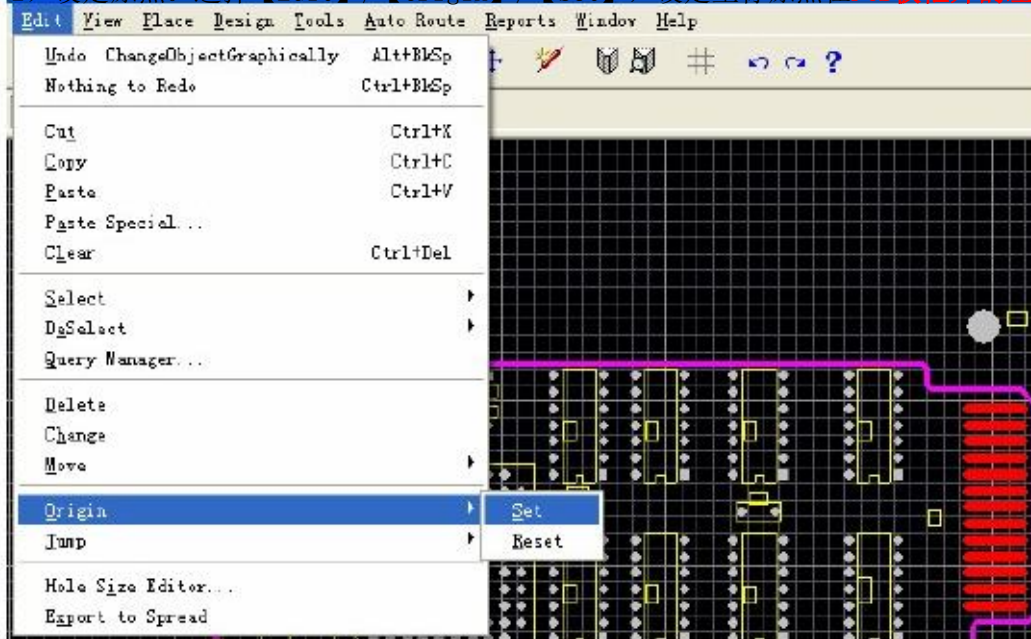
## Protel99se 导出贴片坐标文件教程

步骤如下:

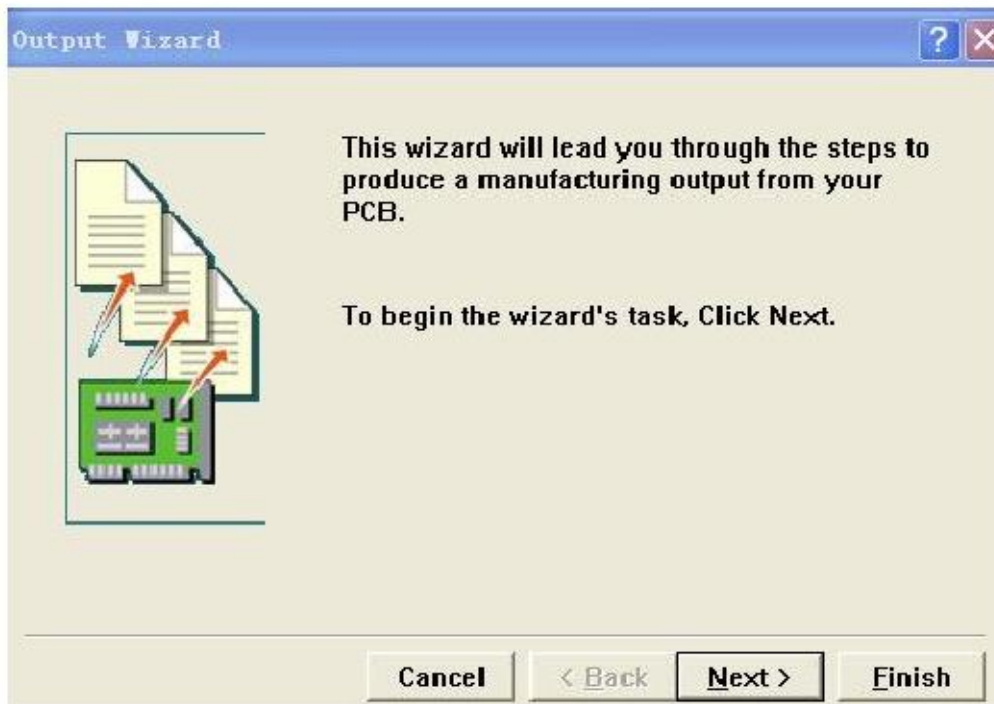
1) 用 Protel99 se 软件打开 PCB 文件。



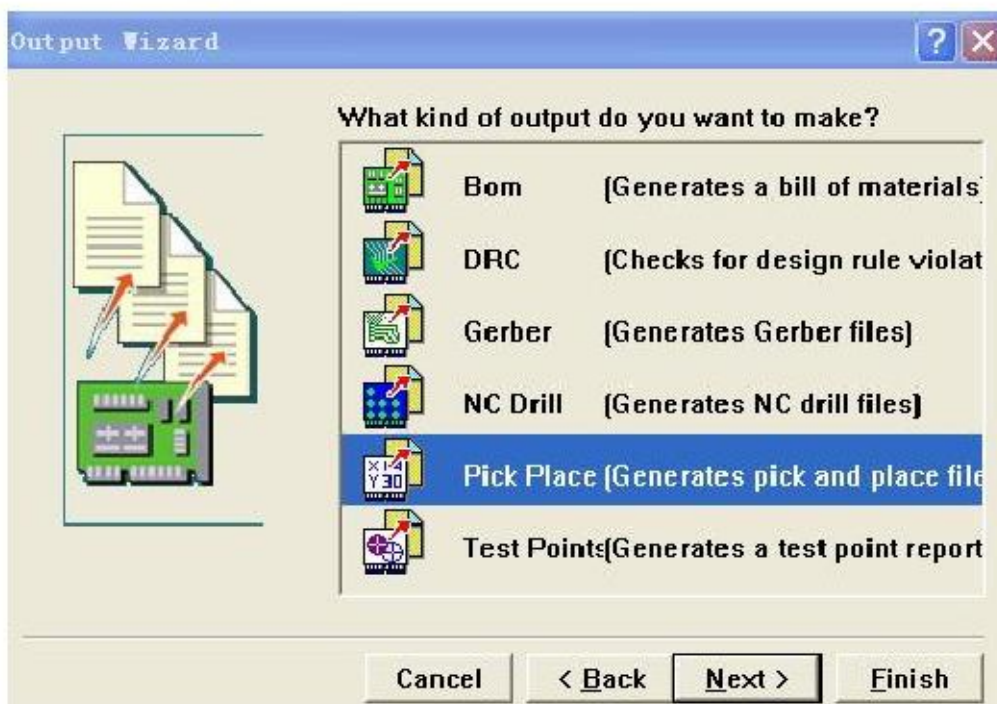
2) 设定原点。选择【Edit】/【Origin】/【Set】，设定坐标原点在PCB板框外的左下角。



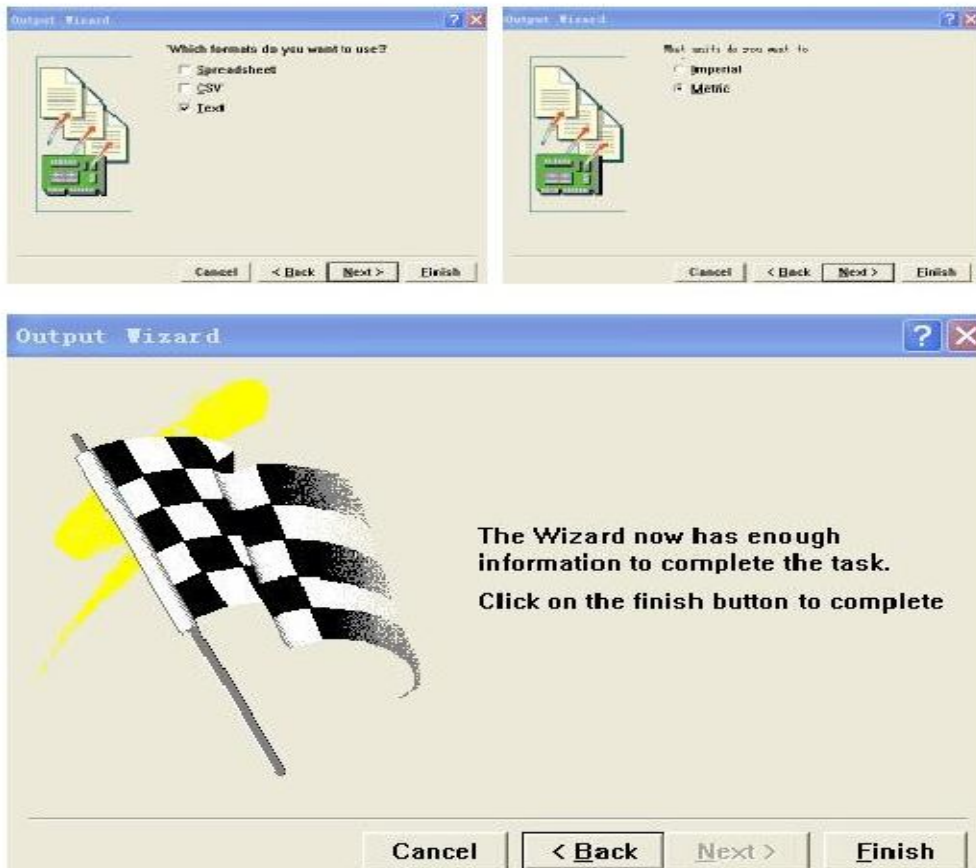
3) 导出坐标数据。选择【File】/【Cam Manager...】，出现输出数据向导界面



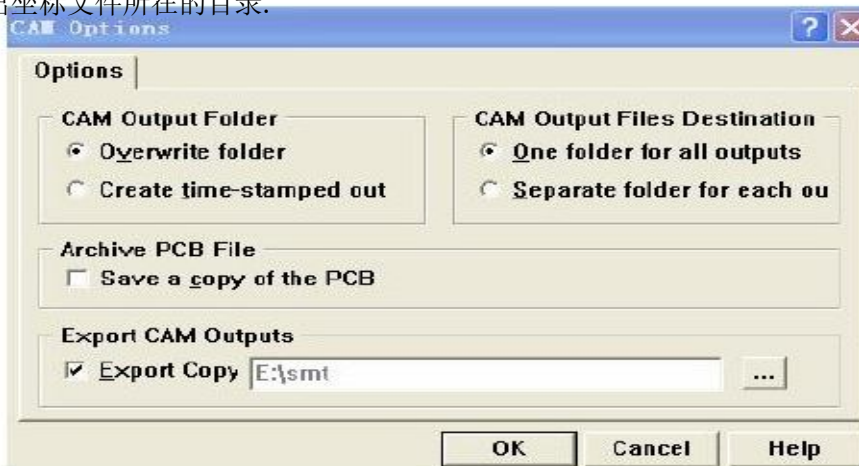
按“Next”，选择输出数据类型为 Pick Place.



再按“Next”继续，文件格式选择 **CSV**、单位选择 **Metric**。



然后选择【Tools】/【Preference...】，在弹出的 CAM Options 对话框中设定输出坐标文件所在的目录。



选择【Tools】/【Generate CAM Files】在指定路径下生成坐标文件。



The screenshot shows a Notepad window titled 'Pick Place for BOARD 1'. It contains a table with the following data:

Designator	Footprint	Mid X	Mid Y	Ref X
Ref Y	Pad X	Pad Y	Rotation	Comment
J4	MOIRE	176.7332mm	89.1286mm	176.7332mm
39.1286mm	176.7332mm	89.1286mm	T	0.00 MOIRE
J1	DIP14	92.1004mm	177.8254mm	99.7204mm
181.6354mm	99.7204mm	181.6354mm	T	180.00 7404
J2	DIP14	113.6904mm	174.0154mm	117.5004mm
166.3954mm	117.5004mm	166.3954mm	T	90.00 7404
J3	DIP14	126.3904mm	174.0154mm	130.2004mm
166.3954mm	130.2004mm	166.3954mm	T	90.00 7404
J4	DIP14	141.6304mm	174.0154mm	145.4404mm
166.3954mm	145.4404mm	166.3954mm	T	90.00 7404
J5	DIP14	159.4104mm	174.0154mm	163.2204mm
166.3954mm	163.2204mm	166.3954mm	T	90.00 7404
J7	DIP14	113.6904mm	148.6154mm	117.5004mm
140.9954mm	117.5004mm	140.9954mm	T	90.00 7404
J8	DIP14	126.3904mm	148.6154mm	130.2004mm
140.9954mm	130.2004mm	140.9954mm	T	90.00 7404
J9	DIP14	141.6304mm	148.6154mm	145.4404mm

\*\*\*\*\*谢谢\*\*\*\*\*