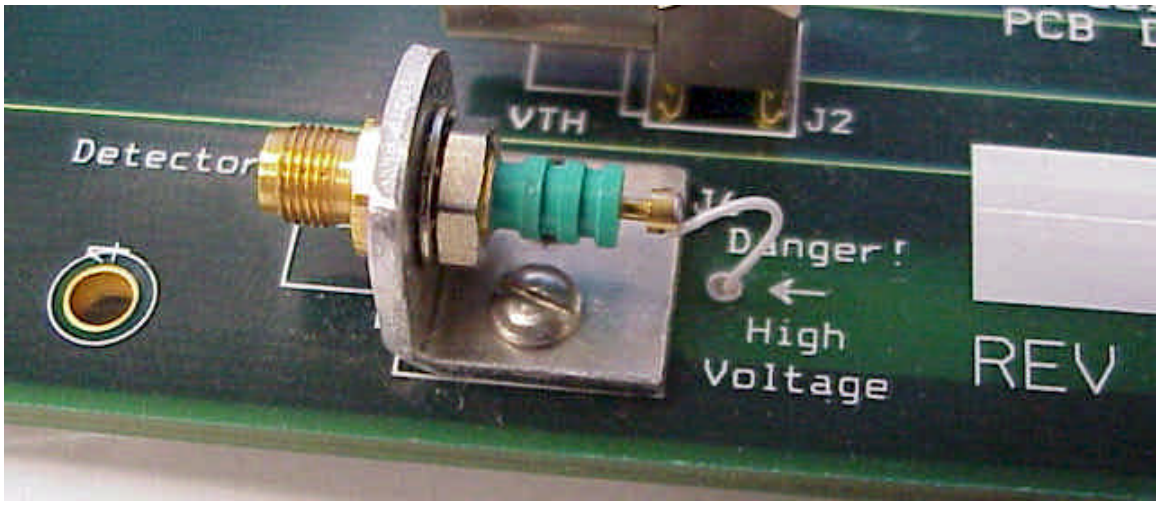
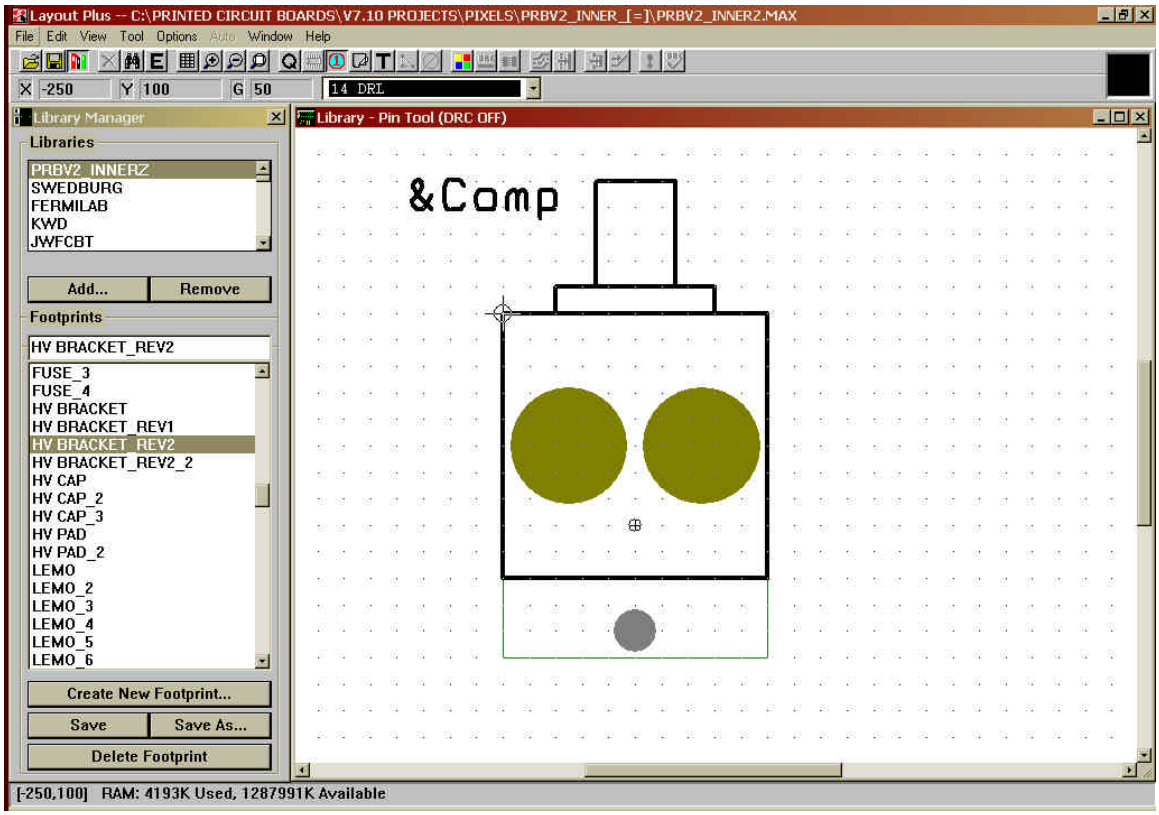
The High Voltage Connector



Top View

Bottom View



The visible dot grid in the footprint above is 50 mils. The rectangular bracket is 0.500” x 0.500” (10 grid spaces by 10 grid spaces) and is centered around the two large mounting holes

Footprints

Footprint Name or Pad Name	Insertion Origin	Padstack Name	Exit Rule	Pad X Loc	Pad Y Loc	Via Under
Footprint HV BRACKET_REV2	0,200					
Pad 1		70R40_1	Std	0	0	No
Pad 2		NO2	Std	-125	350	No
Pad 3		NO2	Std	125	350	No

The small pad (pad 1) is for the High Voltage lead. Its center is the 0,0 point for the above table. The centers of the two large pads (Pad 2 and Pad 3) are 350 mils from the small pad, and are 125 mils to the right and left of the center of the small pad.

Padstacks

Padstack or Layer Name	Pad Shape	Pad Width	Pad Height	X Offset	Of
NO2					
TOP	Round	181	181	0	
BOTTOM	Round	217	217	0	
PLANE	Round	121	121	0	
INNER	Round	105	105	0	
SMTOP	Round	186	186	0	
SMBOT	Round	222	222	0	
SPTOP	Undefined	0	0	0	
SPBOT	Undefined	0	0	0	
SSTOP	Undefined	0	0	0	
SSBOT	Undefined	0	0	0	
ASYTOP	Undefined	0	0	0	
ASYBOT	Undefined	0	0	0	
DRLDWG	Round	96	96	0	
DRILL	Round	96	96	0	
COMMENT LAYER	Undefined	0	0	0	
SPARE2	Undefined	0	0	0	
SPARE3	Undefined	0	0	0	

The above table reflects the padstack for the large pads (Pads 2 and 3.) The drill hole is .096" with a 181mil top pad. The bottom pad is 217 mils to insure that no traces could be routed under the outside diameter of the hex nut's body.

Padstacks

Padstack or Layer Name	Pad Shape	Pad Width	Pad Height	X Offset	O
70R40_1					
TOP	Round	70	70	0	
BOTTOM	Round	70	70	0	
PLANE	Round	80	80	0	
INNER	Round	70	70	0	
SMTOP	Round	75	75	0	
SMBOT	Round	75	75	0	
SPTOP	Undefined	0	0	0	
SPBOT	Undefined	0	0	0	
SSTOP	Undefined	0	0	0	
SSBOT	Undefined	0	0	0	
ASYTOP	Undefined	0	0	0	
ASYBOT	Undefined	0	0	0	
DRLDWG	Round	40	40	0	
DRILL	Round	40	40	0	
COMMENT LAYER	Undefined	0	0	0	
SPARE2	Undefined	0	0	0	
SPARE3	Undefined	0	0	0	

The above table reflects the padstack for the small pad, Pad 1. The drill hole is .040" with a 70-mil pad.