

# GE21 GEM SPECIFICATION

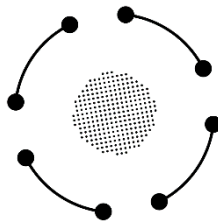
Gem holes should be  $70\mu\text{m} \pm 2\mu\text{m}$  in the copper and  $50\mu\text{m} \pm 2\mu\text{m}$  in the polyimide.

## 1. Connections of top & bottom sides:

The HV pads must be cover on both side with Silver paste to create the electrical connection.

Silver Paste Ref: H20E.

The deposited silver paste thickness must be less than  $200\mu\text{m}$  on both side.



1. *Shape of the HV pad to cover.*



2. *Picture of HV pads before the silver paste.*



3. *Picture of HV pads after the silver paste.*

2. *Assembly of components:*

Resistor to sold on GEM TOP side (RO side) ref: THICK FILM 100K 1% 0.1W 0805

Resistor to sold on GEM BOT side (DRIFT side) ref: THICK FILM 10M 5% 0.125W 0805



1. *Shape of the resistor pads before assembly.*



2. *Shape of the resistor pads after assembly.*