**Ironwood Socket Mounting Options**

**Direct mount with Hardware**  
*For target boards with BGA pads and Ironwood socket mounting holes*  
- Will work for all IC sizes  
- Requires backing plate and insulation plate on back of target board  
- Shortest signal path from BGA IC to target board  
- Requires target PCB be designed to socket footprint  
- Socket footprint is only 5mm larger than IC package

**Surface Mount**  
*For target boards with BGA pads*  
- Will work only for all BGA package sizes  
- Longer signal path from BGA IC to target board due to SMT adapter  
- Requires real estate around BGA outline of 10mm (5mm per side)  
- Requires SMT reflow to target PCB

**Epoxy Mount**  
*For target boards with BGA pads*  
- Will work only for small IC sizes and/or small pin count  
- Shortest signal path from BGA IC to target board  
- Requires real estate around BGA outline of 10mm (5mm per side)  
- Additional space needed for epoxy  
- Socket may be difficult to remove after attaching

**Thru-Hole Mount**  
*For target boards with BGA Thru-hole pattern*  
- Will work only for all BGA package sizes  
- Longer signal path from BGA IC to target board due to SMT adapter  
- Requires real estate around BGA outline of 10mm (5mm per side)  
- Requires thru-hole reflow to target PCB
Options to surface mount an Ironwood GHz socket
(no mounting hardware required)

Option # 1

GHz BGA Socket
SG-BGA part family

SMT Adapter
SF-BGA-05 part family

 unassembled

Target PCB

 assembled

Option # 2

GHz BGA Socket
SG-BGA part family

Thru Hole Adapter
(male land socket)
LS-BGA-05 part family

Giga Snap Female Adapter
SF-BGA-62 part family

 unassembled

~3.26mm
[0.129”]

 assembled

Note: Drawing not to Scale