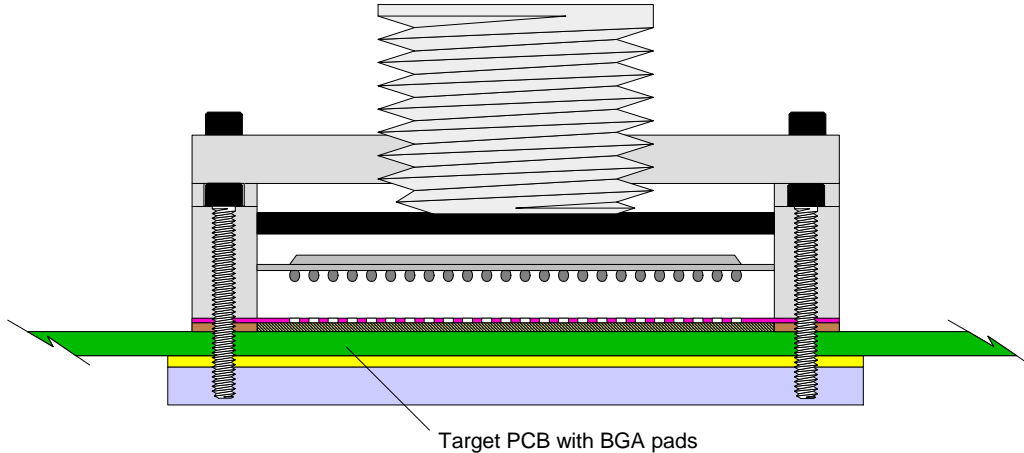


# Ironwood Socket Mounting Options

## Direct mount with Hardware

### For target boards with BGA pads and Ironwood socket mounting holes

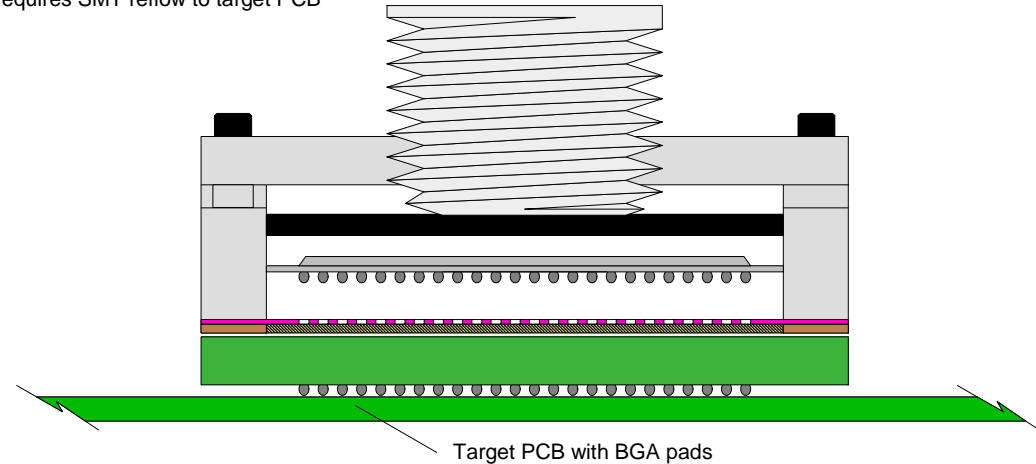
- Will work for all IC sizes
- requires backing plate and insulation plate on back of target board
- shortest signal path from BGA IC to target board
- requires target PCB be designed to socket footprint
- socket footprint is only 5mm larger than IC package



## Surface Mount

### For target boards with BGA pads

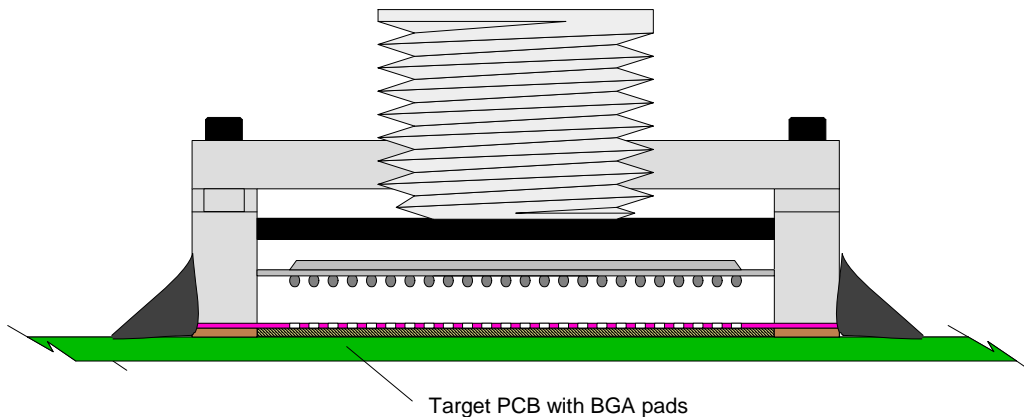
- Will work only for all BGA package sizes
- longer signal path from BGA IC to target board due to SMT adapter
- requires real estate around BGA outline of 10mm (5mm per side)
- requires SMT reflow to target PCB



## Epoxy Mount

### For target boards with BGA pads

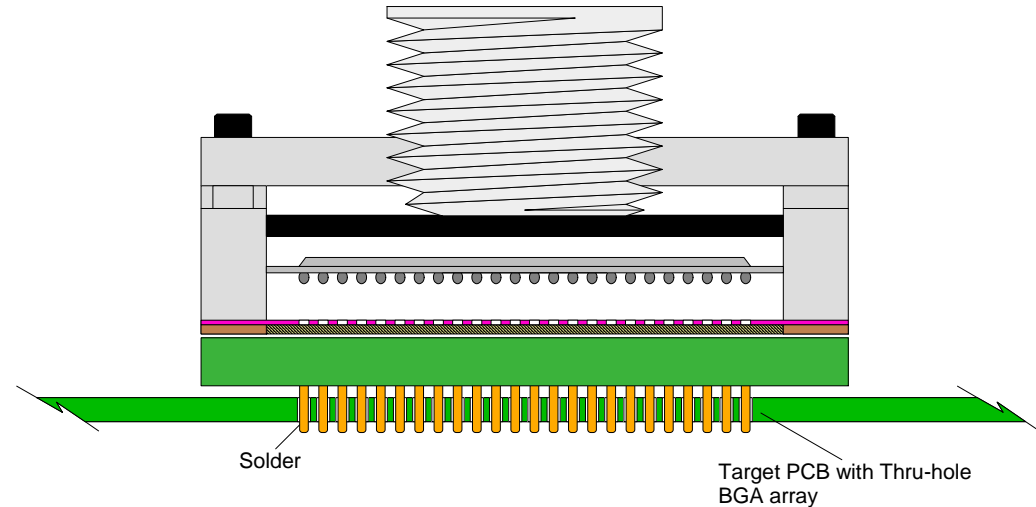
- Will work only for small IC sizes and/or small pin count
- shortest signal path from BGA IC to target board
- requires real estate around BGA outline of 10mm (5mm per side)
- additional space needed for epoxy
- socket may be difficult to remove after attaching



## Thru-Hole Mount

### For target boards with BGA Thru-hole pattern

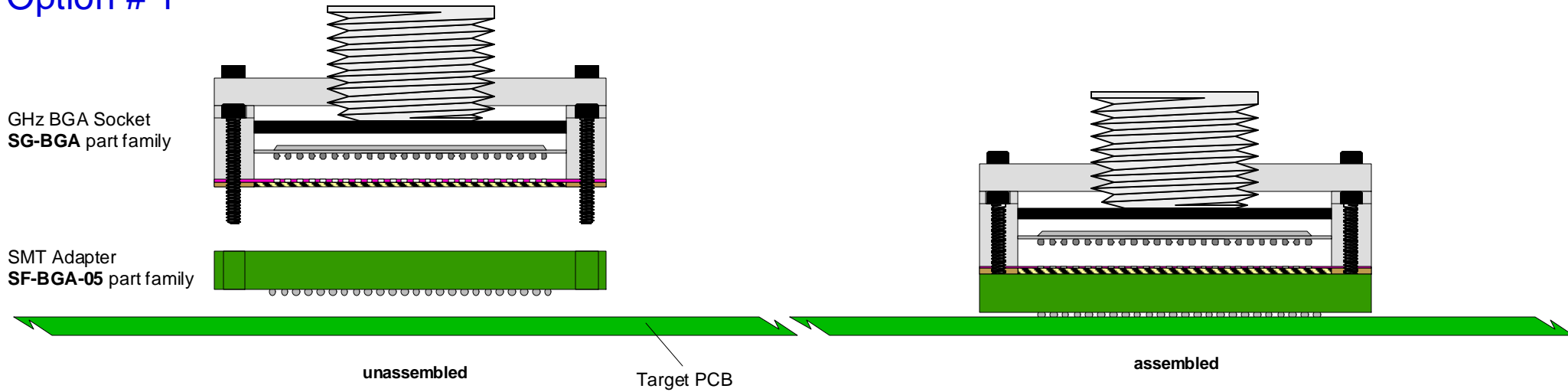
- Will work only for all BGA package sizes
- longer signal path from BGA IC to target board due to SMT adapter
- requires real estate around BGA outline of 10mm (5mm per side)
- requires thru-hole reflow to target PCB



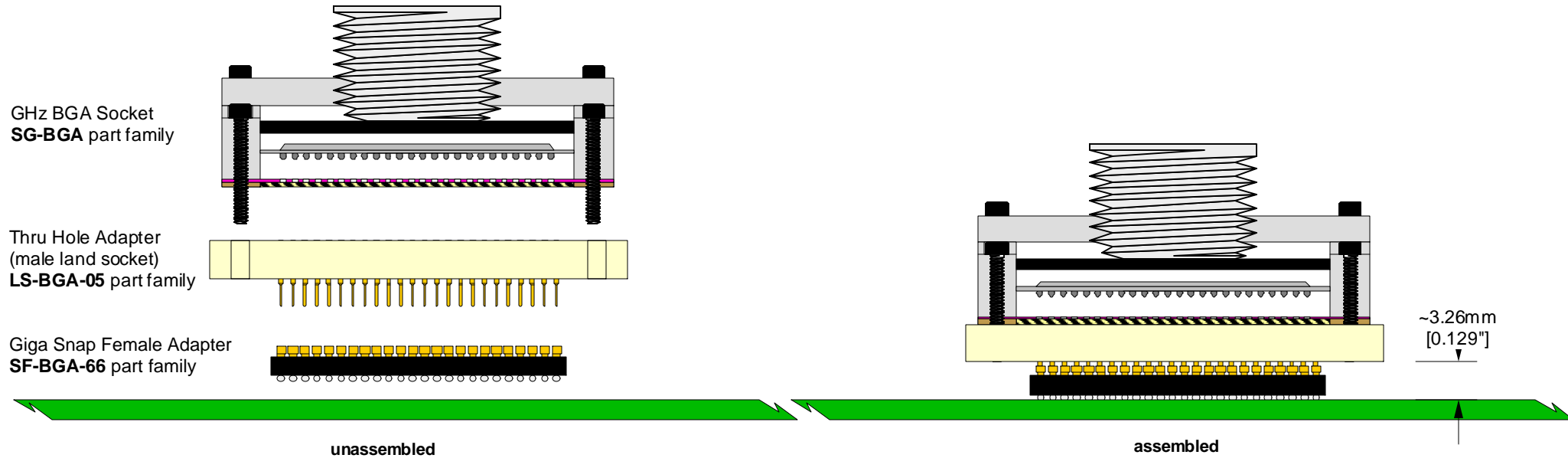
# Options to surface mount an Ironwood GHz socket

(no mounting hardware required)

## Option # 1



## Option # 2



Note: Drawing not to Scale