



# BGA Questionnaire

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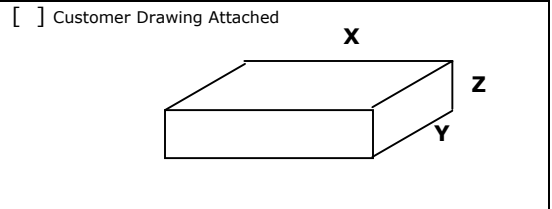
**Contact:**

Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Project Ref: \_\_\_\_\_

Title: \_\_\_\_\_  
 Dept: \_\_\_\_\_  
 Tel: \_\_\_\_\_ Ext \_\_\_\_\_

**Outline Size:**  mm   $\mu$ m  mil  inch

Substrate Size (Minimum): X= Y= Z=  
 Substrate Size (Maximum): X= Y= Z=

**Substrate Material:**

BT  FR4  Si  Ceramic  Pi  Any  
 Other: \_\_\_\_\_

**Ball Pitch (mm):**

0.3  0.4  0.5  0.65  0.75  
 0.8  1.0  1.27  1.5

**Solder Ball Alloy:****Solder Ball Diameter:**

<input type="checkbox"/> SAC305 - Sn96.5/Ag3.0/Cu0.5	<input type="checkbox"/> 0.20mm	<input type="checkbox"/> 0.45mm
<input type="checkbox"/> SnPb - Sn63/Pb37	<input type="checkbox"/> 0.25mm	<input type="checkbox"/> 0.50mm
<input type="checkbox"/> Other _____	<input type="checkbox"/> 0.30mm	<input type="checkbox"/> 0.63mm
	<input type="checkbox"/> 0.35mm	<input type="checkbox"/> 0.76mm
	<input type="checkbox"/> 0.40mm	<input type="checkbox"/> Other

**Ball Count / Matrix** Customer Drawing

Min Balls \_\_\_\_\_  Max Balls \_\_\_\_\_  
 Full Array  Perimeter  Custom  
 Matrix \_\_\_\_\_ x \_\_\_\_\_  
 Perimeter Rows Nbr: \_\_\_\_\_

**Circuit Function:**

Daisy Chain  BUS  Isolated Pads (No Daisy Chain)  
 Throughhole via test pads on top side  
 Any type available  Other: \_\_\_\_\_

**Packaging:**

Tray  Waffle Pack  Tape & Reel  
 Any  
 Other: \_\_\_\_\_

**Dummy Die:**

Die Size: Min \_\_\_\_\_ Max \_\_\_\_\_   $\mu$ m  mil  
 Die Thick: Min \_\_\_\_\_ Max \_\_\_\_\_   $\mu$ m  mil  
 Die not required  Any type available

**Mounting of Die:**  
 External (Flip Chip Style)  Encapsulate (Internal)  
 Any type available

**Pad Information:**

**Size:** Min: \_\_\_\_\_ Max: \_\_\_\_\_   $\mu$ m  mil  
**Plating:**  Ni-Au  OSP  Other:  
 Solder Mask Defined Pad  
 Non-Solder Mask Defined Pad  
 Other

**Solder Mask:**

Taiyo Model \_\_\_\_\_  Any  
 Other

**Part Number Series:**

BGA  PBGA  LBGA  
 CBGA  WLP  SBGA  
 FBGA  Any Type Available  
 Other: