Always place the card notch snug against the sensor face.

1. Always place the card notch snug against the sensor face.

2. Always measure working distance along the sensor axis, using the scale in the center of the card.

3. Find the set of curves on the card for the sensor model being used.
   - EX-43Q
   - EX-83Q
   - EX-93Q
   - EX-73Q

4. The buttons may be used as a positioning guide.
   - On-axis button sets optimum working distance.
   - Off-axis button sets optimum working angle. Use correct button position for sensor model and wafer size.

Other holes are to store unused buttons.
Button positions for EX-43Q and EX-83Q

EX-43Q

Buttons for 300 mm wafers

Buttons for 200 mm wafers

Holes for spare buttons

EX-83Q

Buttons for 300 mm wafers

Buttons for 200 mm wafers

Holes for spare buttons
Button positions for EX-73Q and EX-93Q

EX-73Q

Buttons for 300 mm wafers

Buttons for 200 mm wafers

EX-93Q

Buttons for 300 mm wafers

Buttons for 200 mm wafers
Example 1: EX-43Q and 300mm wafer with 0° working angle

Using alignment card to set EX-43Q and 300mm wafer to 1.5" working distance and 0° working angle.
Example 2: EX-43Q and 300mm wafer with 15° working angle

Using alignment card to measure working angle with 300mm wafer (sensor must be at the nominal working distance 1.5" in this example.)
Example 3: EX-83Q and 200mm wafer with 8°

Read working angle for 200mm wafers on this scale.

In this case working angle is 8°.

Card fits snug to sensor.

Using alignment card to measure working angle with 200mm wafer (sensor must be at the nominal working distance - 3.0" in this example.)
Example 4: EX-43Q with working distance at 1.65”

Card fits snug to sensor.

Read working distance on the center scale for both 200mm and 300mm wafers.

In this case working distance is 1.65 inches.

Using alignment card to measure working distance.
Technical Support

Providing responsive technical support for our products is a top priority for CyberOptics. We have a dedicated technical support group available to answer your questions Monday through Friday, 8a.m. to 5p.m. (PT).
E-mail: CSsupport@cyberoptics.com

For information about CyberOptics' offices and global support network, please visit www.cyberoptics.com.

Note: Wiping down Alignment Card with pure alcohol will result in removal of printing. Printed on Class 100 material.