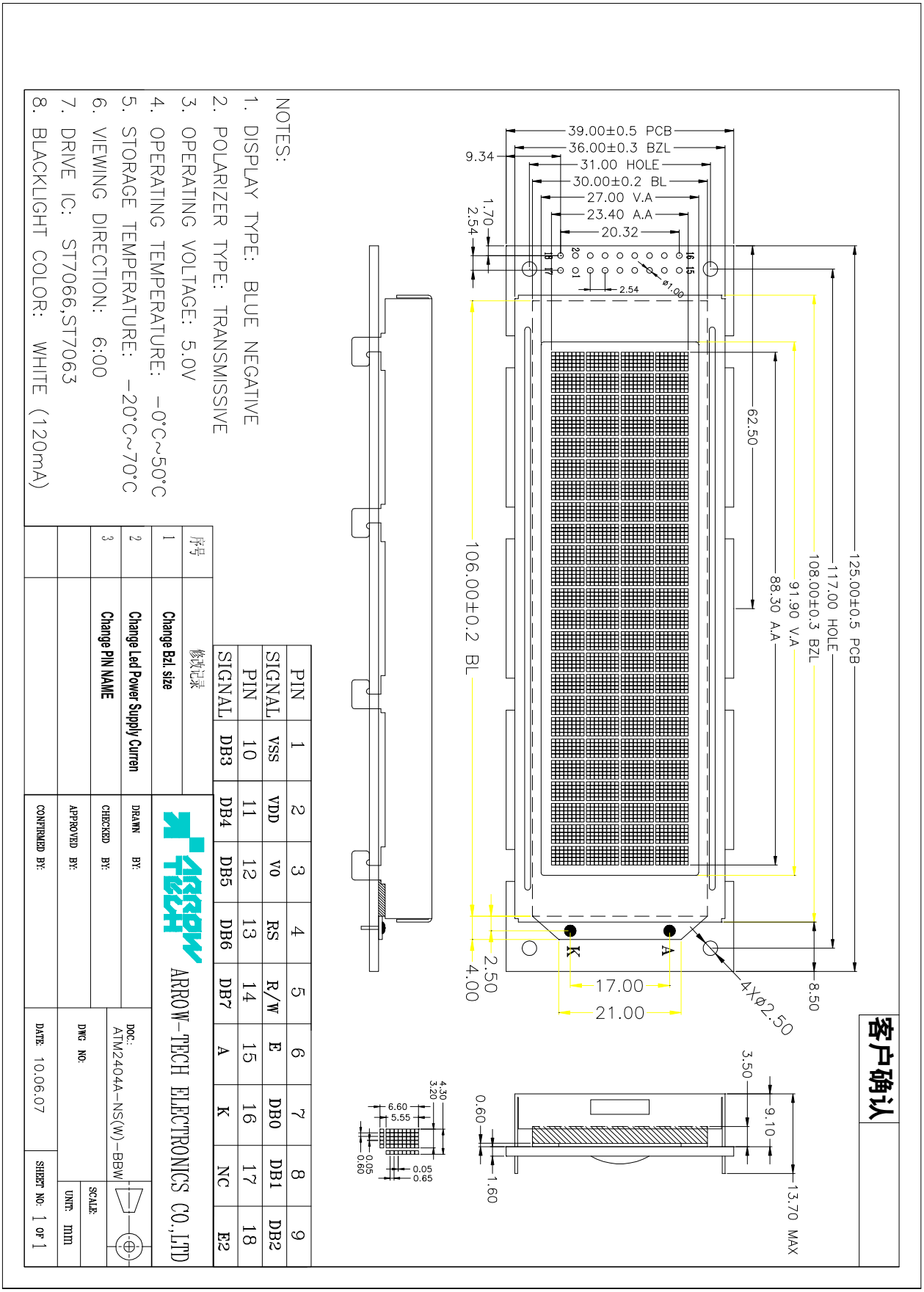Mechanical Diagram