



BEI Electronics, LLC

Quote / Build Documentation

Getting the highest quality and fastest turnaround is important to all of us here at BEI. Please help us work better, smarter, and faster by supplying the following at quote / build time. All PDF's are assumed to be searchable and vector based, not graphical or scanned.

Assembly Print / Instructions

Format: PDF, DXF, DWG, RS-274D/X

Purpose: Detailed requirements for the assembly, such as screw torques, intricate subassemblies, labeling requirements, wiring, jumpers/mods, assembly acceptance criteria

Used For: Work instructions, outgoing product inspection, agency compliance

CAD File

Format: GENCAD / ASCII

Purpose: The cad file correlates the PCB locations to reference designators and part numbers.

Used For: SMT programs, AOI programs, flying probe programs, coating programs, ICT programs, work instructions, tooling

Bill of Materials

Format: MS Excel, CSV, TXT

Purpose: The bill of materials lists all parts which must be purchased and assembled into the final product. This document must have manufacturer's part numbers, or be accompanied by an Approved Manufacturer Parts list.

Used For: Purchasing and manufacturing bill of materials

PCB Gerber Files & Current Source

Format: RS-274D/X

Purpose: These files describe the precise location and routing of all traces & holes, process rails, panelization, fabrication instructions, and PCB acceptance criteria.

Used For: PCB fabrication, SMT stencils, wave pallets, tooling

Schematic

Format: PDF

Purpose: Describes all electrical connections for the product

Used For: Flying probe programming, ICT programming, troubleshooting, verifying polarities for unmarked parts on the board

Test Procedure / Requirements

Format: PDF, MS Word

Purpose: Defines what testing is required in detail and/or how to perform that testing

Used For: Flying probe testing, ICT, functional testing, tooling, test equipment selection

Prints for Custom / Made to Order Parts

Format: AutoCAD DWG, DXF, PDF, WRL, STEP, IGES

Purpose: Defines exact acceptance criteria for parts which are custom or not "off the shelf"

Used For: Accurately quoting / procuring custom / made to order parts

Contract / Sourcing Information / Letter of Authorization / Registered Components

Format: MS Excel, MS Word

Purpose: Specifies which parts have contract pricing, and at which supplier(s), and that you are authorizing interaction with BEI for quotation and/or purchase

Used For: Providing best pricing and lead time where a customer already has an arrangement with the component manufacturer based on criteria such as a stocking plan, exclusivity agreement or volume pricing