

Custom Connector Technology Checklist

Electrical Requirements

- Voltage
- Current
- Resistance limitations
- Circuit Speeds

Environmental Conditions

- Temperature
- Humidity
- Vibration
- Industrial pollutants

Space and Force Constraints

- Connector circuits required
- Overall length, width, height
- Allowable engagement/disengagement forces
- Durability

Connector Type

- PCB-mount
- Wire-to-PCB
- Wire-to-wire
- Panel-mount
- Male and/or female
- Board-to-board
- Shielded

Cost Objectives

- Part costs
- Total applied costs
- Tooling costs

Field Service Life

- Years
- Mating cycles
- Field-serviceable

Projected Annual Usage

Connector Application Techniques

- Wire crimp
- Wire IDC
- Wire solder
- PCB surface-mount
- PCB through-hole mount
- PCB pick-and-place

Packaging

- Terminals, reeled
- Terminals, loose-piece
- Connectors, bulk-packaged
- Connectors in pocket tape
- Connectors in tubes/trays

Connector Interface

- Custom
- Proprietary
- Standard-controlled

Agency Approvals Required

