

Box Specification Worksheet

Glenair brings a unique strength to junction box systems: the ability to build a turnkey assembly—wired, terminated, tested and complete with all the necessary fittings and accessories. We are the only nonmetallic enclosure manufacturer in the world which can supply an integrated interconnect system of this type. And we are pleased to provide this service at small quantity and prototype levels. This worksheet summarizes the major decision points in the design and development of an interconnect box assembly.

Originator Contact Information

Name: _____

Location: _____

Phone: _____

Fax: _____

E-Mail: _____

Select Box Series Size and Type

- ☐ Ultra-Miniature Box (140-074)
- ☐ Mini Junction Box (140-100)
- ☐ Small Junction Box (140-101)
- ☐ Medium Junction Box (140-102)
- ☐ Large Junction Box (140-103)
- ☐ Jumbo Junction Box (140-107)
- ☐ Small Low-Profile Box (140-104)
- ☐ Med Low-Profile Box (140-105)
- ☐ Small Three-Legged Box (140-106)
- ☐ Octagonal Box (140-200)
- ☐ Twelve Port Box (140-203)

Select Box Color

- ☐ Black
- ☐ Grey
- ☐ Brown

☐ Purple

☐ Other _____

Select Plating Type

- ☐ Electroless Nickel/Metallic Finish
- ☐ Zinc Nickel/Matte black Finish
- ☐ Ni-PTFE 1000 Hour Gray™
- ☐ No Plating

Select Plating Coverage

- ☐ Internal Plating with Selectively Plated Entry Holes
- ☐ External Plating Only
- ☐ No Plating (non-conductive)

Select Grounding Device

- ☐ Integrated Grounding Foot
- ☐ Side-Mounted Grounding Stud
- ☐ None

Select Internal Mounting Plate

- ☐ Yes
- ☐ No

Specify Internal Terminal Rail Mounting Plate Drilling

- ☐ Not Applicable
- ☐ Standard Drilling Per Catalog
- ☐ Per Customer Drawing

Wire/Cable Construction

- ☐ Standard Armored/Shielded Cable
- ☐ Glenair Overmolded Cable
- ☐ Plastic Convuluted Tubing
- ☐ Metal-Core Conduit
- ☐ Not Applicable

Supply Additional Penetrations with Hole Cap Assemblies?

- ☐ Yes
- ☐ No
- ☐ Not Applicable

Glenair to Provide Turnkey Assembly of Box Components?

- ☐ Yes. (Bill of Materials and/or Drawing Required)
- ☐ No
- ☐ Not Applicable

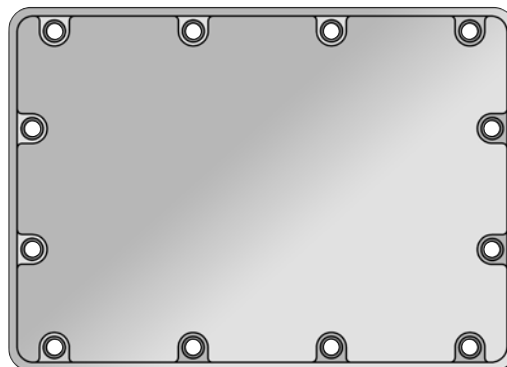
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Select/Indicate Connector and Fitting Locations:

Indicate the locations of your selected connectors and fittings. You may simply describe the devices in the space provided ("Two jam-nut 15 pin D38999 Series III Connectors go on Side "A") or you may sketch the fittings and connectors in place with appropriate labels. There are no limits to the size and number of penetrations other than the physical boundaries of the box surfaces. Use the dimensional information published with each connector or feed-through series, or call our factory for assistance.

NOTE: Box Series Numbers are for reference only. Call the factory for part number assignment for custom box configurations.

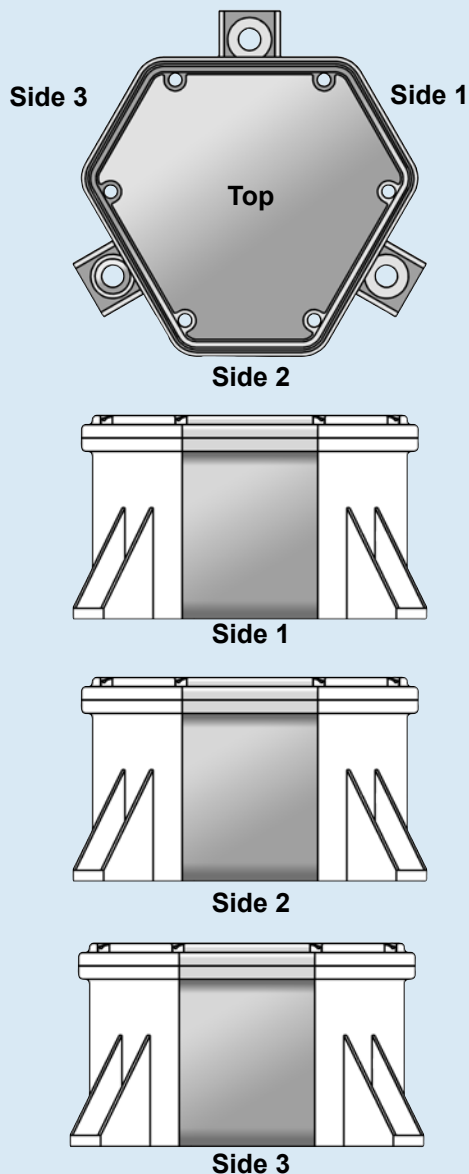
Rectangular Box Top Template



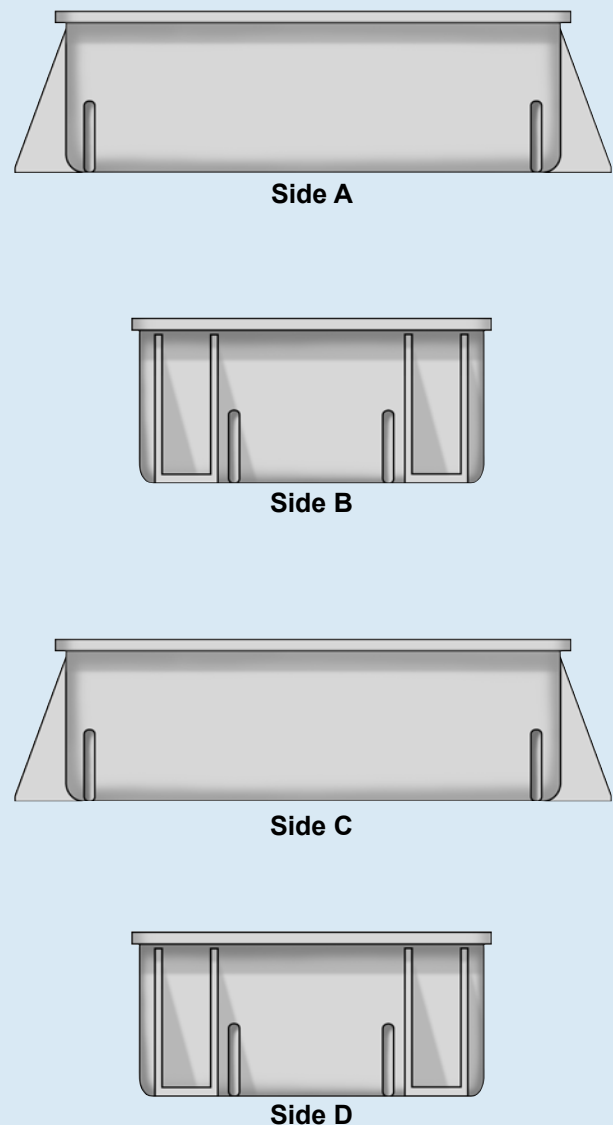
Input-Output Device Position Template

This template may be used to indicate initial positioning of connectors, feed-throughs and fittings such as ground lugs. Indicate the location of all special markings or labels including correct wording/numbering.

Three-Legged Junction Boxes



Rectangular Junction Boxes



The structural ribs located on the rectangular box sides are provided to increase the overall strength of the box. The ribs may be removed to accommodate additional fittings if necessary. For additional assistance in locating connectors and fittings please consult the factory. For custom fittings, such as specially designed doors or lid covers, please consult the factory. Application engineering for customer specified box assemblies is provided free upon request.