

Equipotential Bonding

Equipment Ground Bars

ERITECH® EGB Series
PART NUMBERING SYSTEM

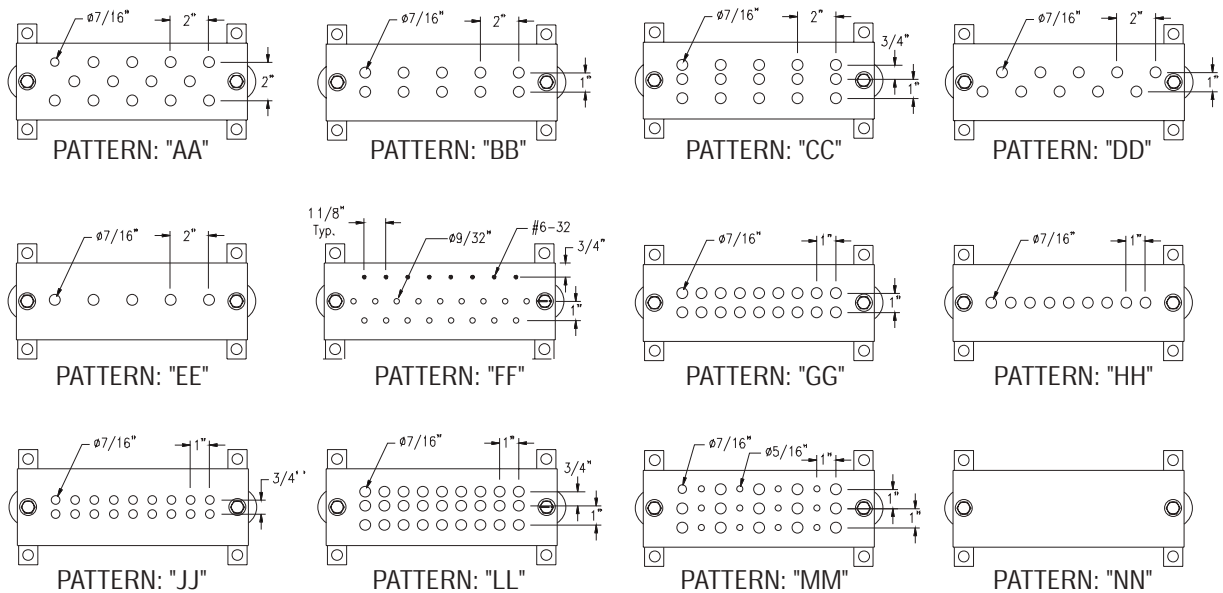
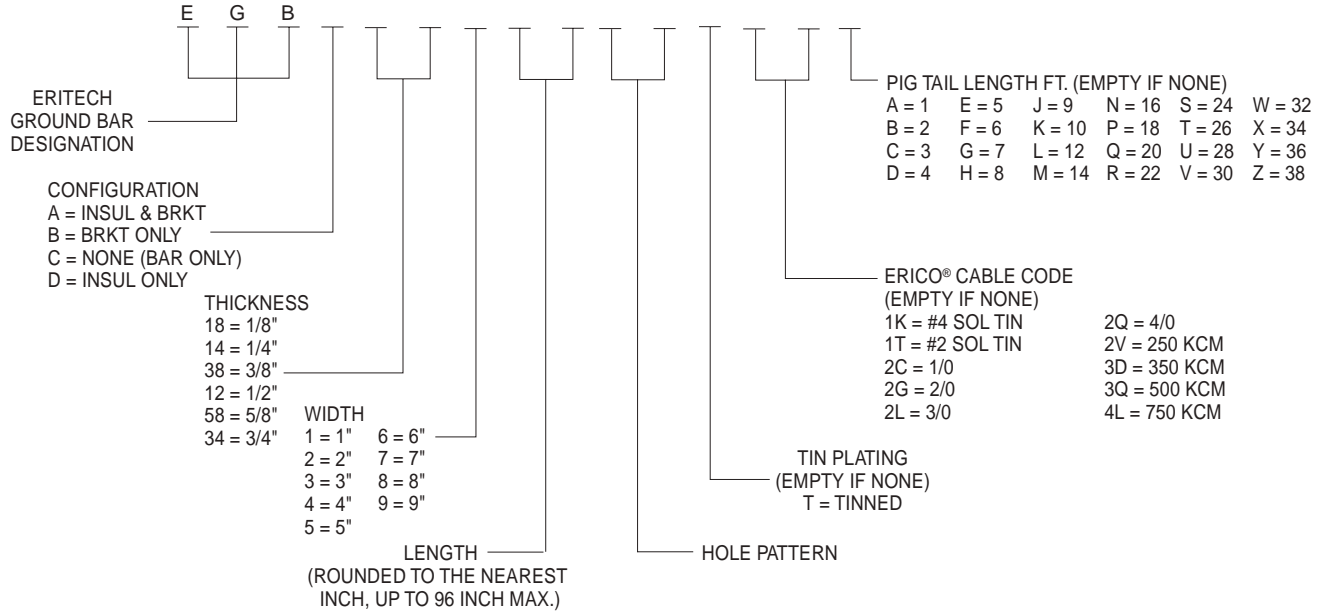


Figure 30.

Equipotential Bonding

Equipment Ground Bars

Proper bonding is essential to create an equipotential plane between service grounds and equipment during fault and transient conditions. This equipotential plane provides a near zero voltage differential and serves to protect people and equipment during these events. The most popular bonding product in use today is the ground bar or bonding bar. Ground bars provide a convenient, single-point grounding and bonding location. Conductors are welded to the bar using the CADWELD® process or are mechanically fastened by using lugs.

ERICO® can design and manufacture custom bars. In addition, the breadth of the product offering includes TMGB bars, which meet the requirements of TIA/EIA 607 and conform to BICSI recommendations. Our perimeter bus system allows for fast and easy field installation of halo and other perimeter grounding schemes.

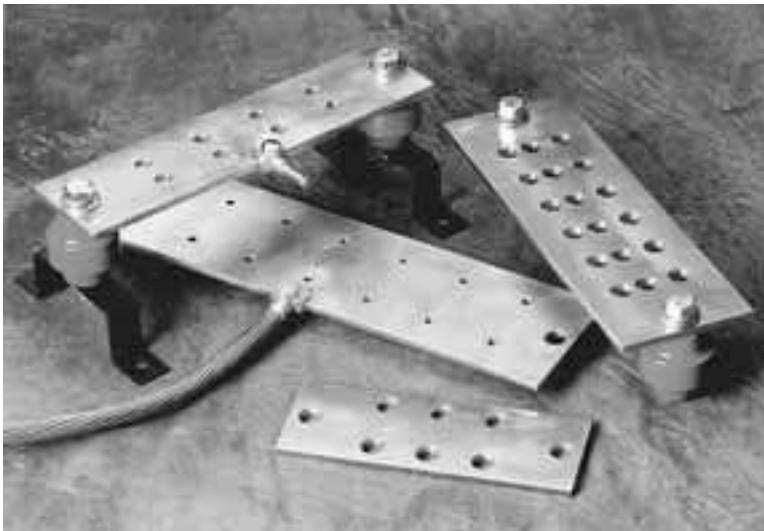


Figure 28.

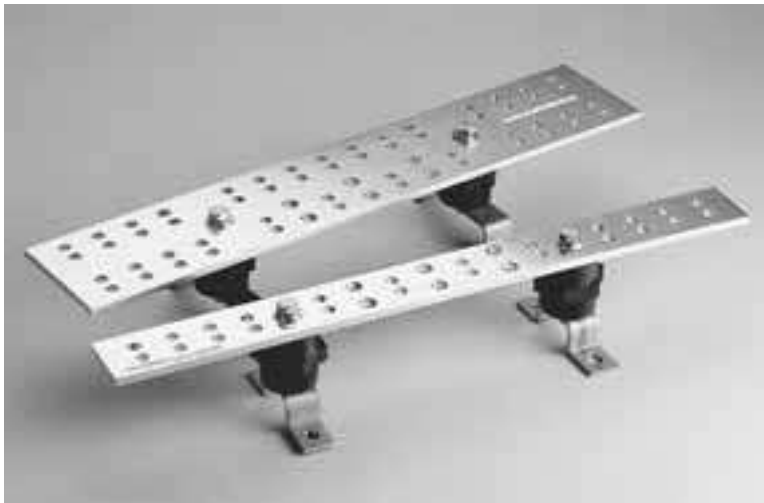


Figure 29.

ERITECH® EGB Series

Materials

Busbars

- 1/4" thick copper
- ASTM B187-C11000
- Electro-tin plated (if required)

Insulators:

- Material: flame resistant fiberglass reinforced thermoset polyester
- Color: red
- Indoor rating: 600 volts
- 1-1/2" height

Brackets:

- Type 304 stainless steel
- 1/8" thick

Fasteners:

- 3/8" Type 304 stainless steel fasteners and stainless steel brackets

ERITECH TGB & TMGB

Materials

Busbars:

- 1/4" thick copper
- ASTM B187-C11000
- Electro-tin plated

Insulators:

- Manufactured of rugged polyamide, an environmentally friendly, halogen-free nylon material which is reinforced with glass fiber
- 2" standoff height
- Meets the requirements of UL94 VO for self-extinguishing materials

Brackets:

- Type 304 stainless steel
- 1/8" thick

Fasteners:

- Type 304 stainless steel