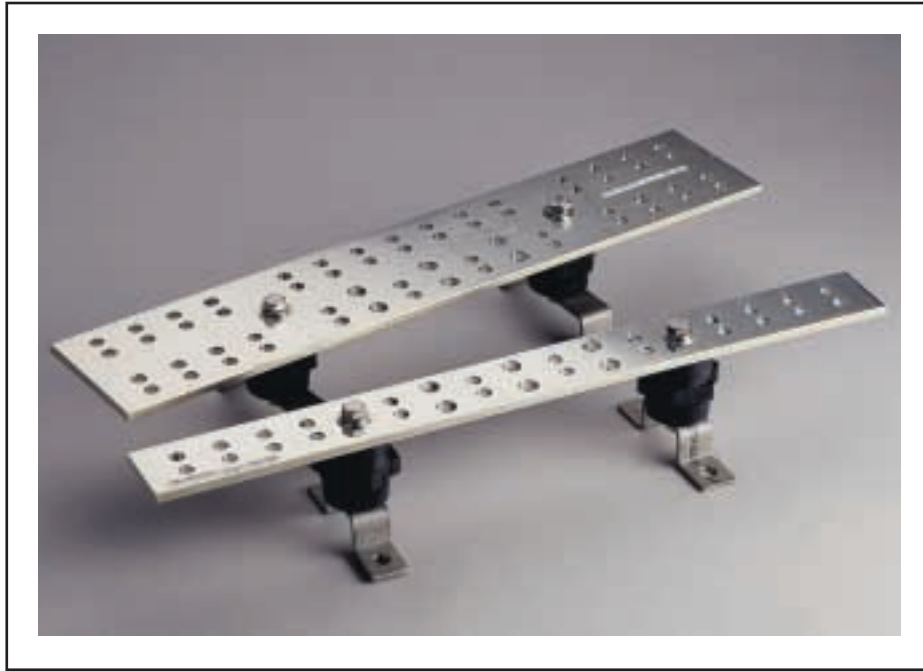


## TGB & TMGB Ground Busbars



### Meets Specifications of TIA/EIA 607 and Conforms to BICSI Recommendations

#### Applications:

With the increasing demand for computer network installations, proper telecommunications grounding and bonding is critical to ensure proper systems operation. The sensitivity of the electronic equipment requires that the telecommunications cabling and power be effectively equalized to prevent loops or transients that can damage the equipment. This requires designing a complete grounding and bonding system that goes beyond the basic “green wire” methodology.

In general, a telecommunications grounding system contains the following components: telecommunications bonding conductor, telecommunications main grounding busbar (TMGB), telecommunications bonding backbone (TBB), telecommunications grounding busbar (TGB), and the telecommunications bonding backbone interconnecting bonding conductor (TBBIBC).

The TMGB is the dedicated extension of the building grounding electrode system for the telecommunications infrastructure. Because it is the central attachment point for TBBs and equipment, the TMGB should provide easy access for telecommunications personnel. The TGB centrally connects systems and equipment served by a telecommunications closet. Both the TMGB and the TGB are electro-tin plated to ensure low resistance corrosion free contact between the lugs and the busbars. The bonding conductor between

the TMGB and the TGB should be continuous and run in the most direct path possible. Often, the TGB is installed to the side of the panelboard. When the building’s structural steel is effectively grounded, each TGB should be bonded to the steel within the same room with a No. 6 AWG conductor. Exothermic welding is recommended for these connections. Always use the shortest distance possible in the grounding system.

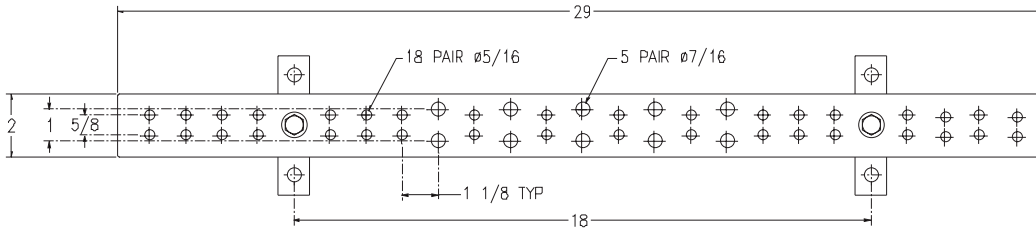
#### Features:

- Complete offering of Telecommunications Main Grounding Busbar (TMGB) & Telecommunications Grounding Busbar (TGB) for central bonding of telecommunications equipment
- Electro-tin plated busbar provides superior connections by lowering contact resistance and minimizes requirements for cleaning
- UL & cUL Listed to UL467 & C22.2 respectively
- Stainless steel brackets and fasteners provide superior corrosion resistance
- Insulated standoffs provide busbar isolation
- Splice plates for both TGB and TMGB busbars allow for future expansion or the use of multiple smaller lengths to be used to meet system requirements

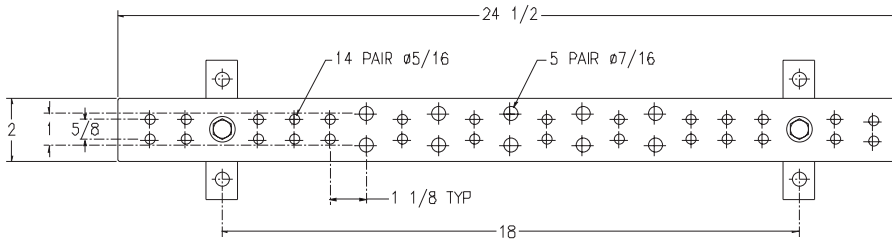
# TGB Ground Busbars

## SPECIFICATIONS

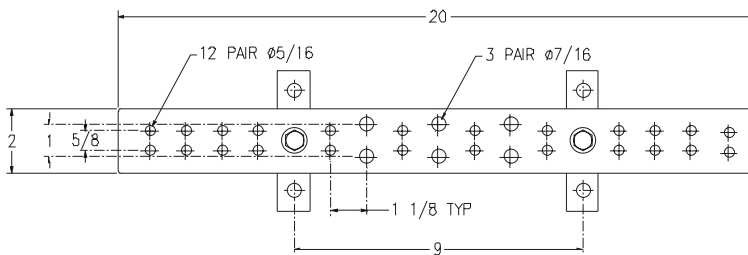
## PART NUMBER



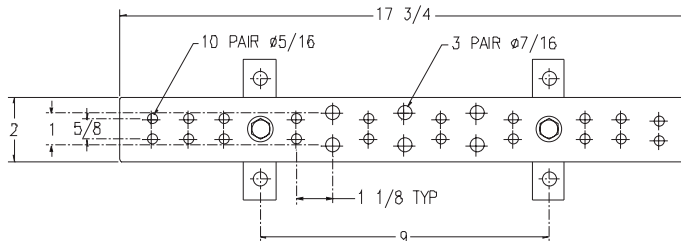
**TGB-A29L18PT**



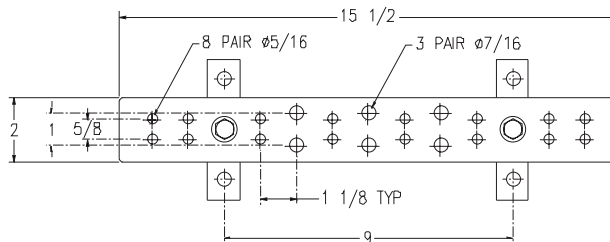
**TGB-A25L14PT**



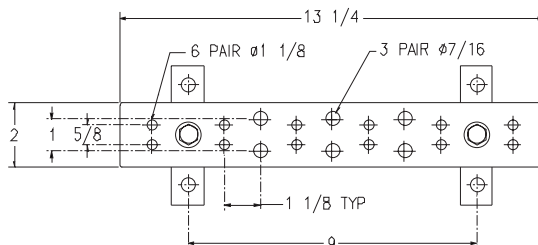
**TGB-A20L12PT**



**TGB-A18L10PT**



**TGB-A16L08PT**



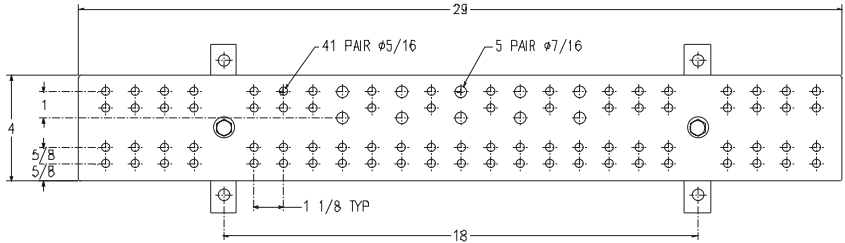
**TGB-A14L06PT**



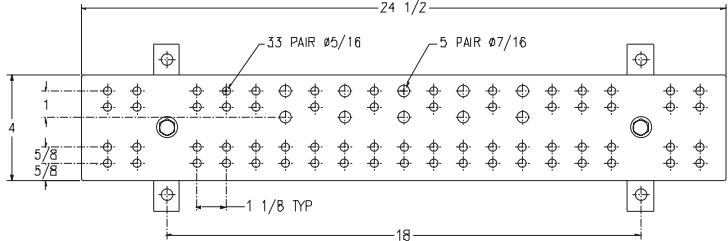
# TMGB Ground Busbars

## SPECIFICATIONS

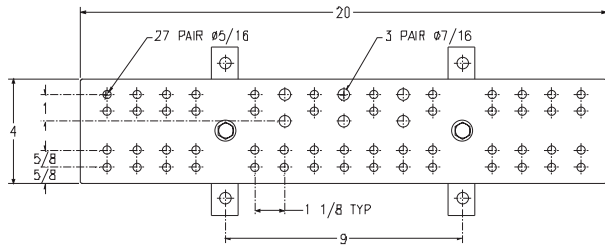
## PART NUMBER



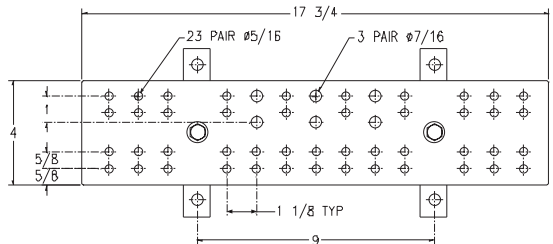
**TMGB-A29L41PT**



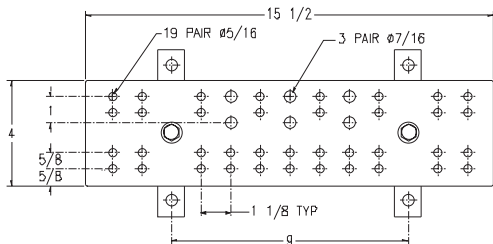
**TMGB-A25L33PT**



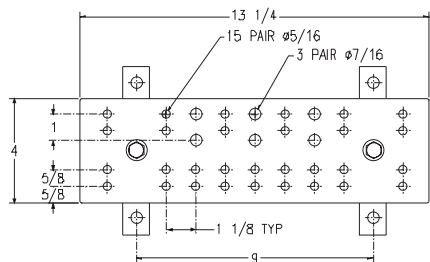
**TMGB-A20L27PT**



**TMGB-A18L23PT**



**TMGB-A16L19PT**



**TMGB-A14L15PT**



# ERITECH TGB & TMGB Ground Busbars

## SPECIFICATIONS

### Materials

#### Busbars:

- 6mm (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
- 51mm (2") standoff height
- Meet the requirements of UL 94 VO for self-extinguishing materials

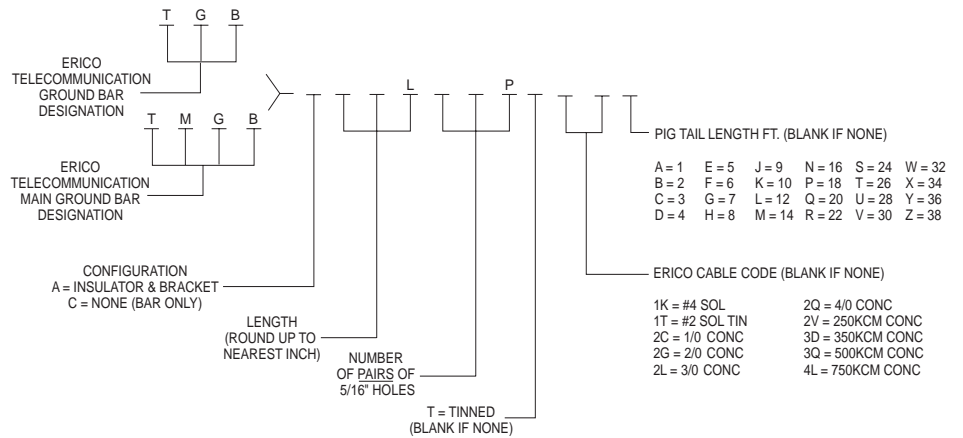
#### Brackets:

- Type 304 Stainless Steel
- 3mm (1/8") thick

#### Fasteners:

- Type 304 Stainless Steel

## PART NUMBERING SYSTEM



## ORDERING INFORMATION

Part Number	Size (in)	Length (in)	Pairs of 5/16" Holes	Pairs of 7/16" Holes
TGB - A29L18PT	1/4 x 2	29	18	5
TGB - A25L14PT	1/4 x 2	24-1/2	14	5
TGB - A20L12PT	1/4 x 2	20	12	3
TGB - A18L10PT	1/4 x 2	17-3/4	10	3
TGB - A16L08PT	1/4 x 2	15-1/2	8	3
TGB - A14L06PT	1/4 x 2	13-1/4	6	3
TMGB - A29L41PT	1/4 x 4	29	41	5
TMGB - A25L33PT	1/4 x 4	24-1/2	33	5
TMGB - A20L27PT	1/4 x 4	20	27	3
TMGB - A18L23PT	1/4 x 4	17-3/4	23	3
TMGB - A16L19PT	1/4 x 4	15-1/2	19	3
TMGB - A14L15PT	1/4 x 4	13-1/2	15	3
TGB - SPLICEKIT	Includes plates and fasteners for splicing two TGB busbars			
TMGB - SPLICEKIT	Includes plates and fasteners for splicing two TMGB busbars			

Due to the ERICO philosophy of continuous product development, specifications are subject to change without notice.

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