

Figure 1 (2153041-1 panel as shown. Use appropriate customer drawing for other panel views)

1. INTRODUCTION

MRJ21™ 10GbE 24-Port Patch Panels are designed to be mounted onto a standard 483mm [19in.] Electronic Industries Alliance (EIA) rack or equipment cabinet as shown in Figure 1 and is designed to be used with AMPTRAC™ system.

24 ports		48 ports	
2153040-1 With AMPTRAC	2153041-1 Without AMPTRAC	2153049-1 With AMPTRAC	2153046-1 Without AMPTRAC

Read these instructions thoroughly before starting installation.

NOTE All numerical values in this instruction sheet are in metric units [WITH U.S. customary units in brackets]

NOTE These instructions assume that reader understand the operation of equipment and software used with the AMPTRAC™ system (not shown).

2. DESCRIPTION

Each patch panel contains MRJ21™ receptacles (one per 1 x 4 RJ45 connector assembly, RJ45 are distributed in blocks of 8 jacks). The ports are identified by numbers printed on the front and on the back of the panel.

3. INSTALLATION

- 3.1. Using the screws, mount the patch panel onto the rack, refer to Figure 1.
- 3.2. Plug a connector (from the trunk cable) into each MRJ21™ receptacle (at the back of the patch panel). Refer to Figure 2. Make sure to align the keying features of the connector and receptacle. Ensure that the connector is fully seated, then using a small cross-recessed tipped screwdriver, turn the jack screws of the connector clockwise and tighten to a maximum torque of 0.34Nm [3 lbf-in]

CAUTION To avoid damage to the connector, DO NOT over-tighten the jack screws. DO NOT use an automatic screwdriver.

- 3.3. Install the bracket onto the rack as suggested, contact your sales representative for available brackets. It is recommended to maintain a minimum bend radius during installation of 8 x cable outer diameter (eight times cable diameter) and after installation a minimum of 4 x cable outer diameter (four times cable diameter)

NOTE For installation procedure for the wiring distribution bracket, refer to Figure 2, back cable manager instruction and references per your sales representative.

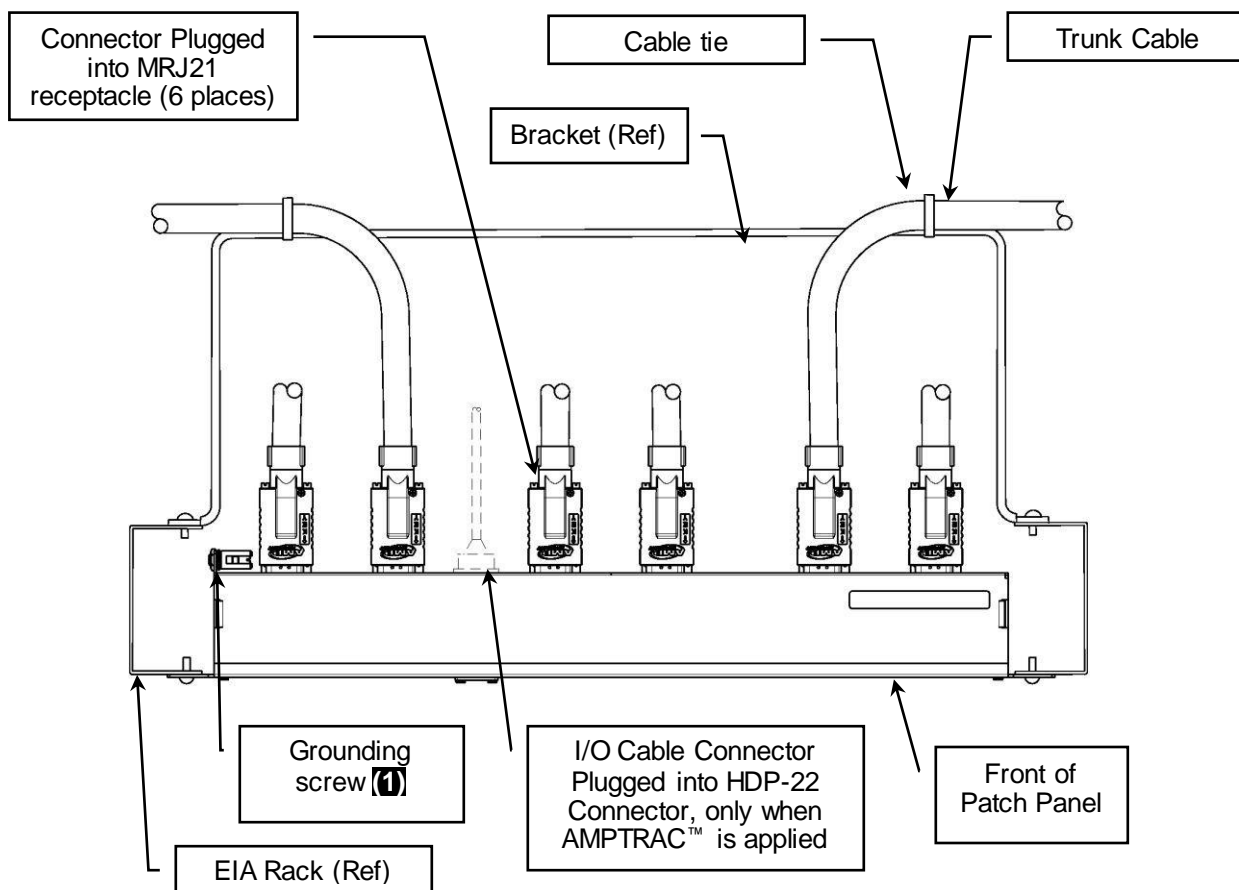


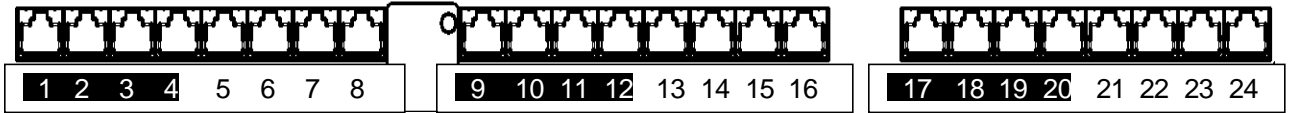
Figure 2

(1) WARNING National and local earthing (grounding) bonding and EMC regulations and procedures shall be followed.

4. TROUBLESHOOTING

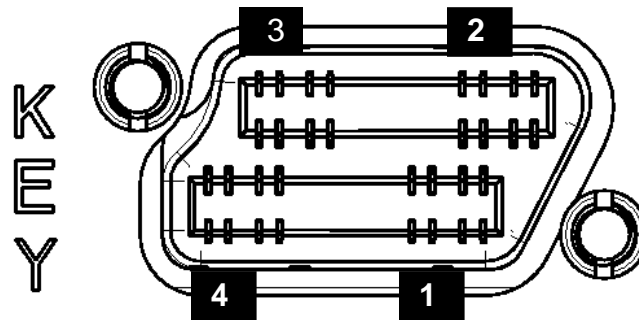
For port-to-cable pair cross-reference, refer to Figure 3.

1x8 RJ45 Connector Assembly (Front of Patch Panel)



1x8 RJ45 Connector Assembly (Front of Patch Panel)

NOTE For Reference, Ports Labeled **1** to **4** of 24p panel are Shown



5. REPLACEMENT AND REPAIR

Patch panels are not repairable. DO NOT use a patch panel with damaged or defective connectors