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Sent: Monday, April 07, 2003 7:33 AM  
To: Ken. Bollweg@Lmco. Com; Trent. Martin@Lmco. Com; Paul Nemeth  
Cc: Luca De Franchis; Robert Becker  
Subject: Summary electronics boxes description

Ken:

As promised - a summary description of electronics boxes:

The 44 electronics boxes are of two types - crates and power supplies (xPDs). There are 24 crates with dimensions 195 x 293 x (180-546) mm<sup>3</sup> or 8" x 12" x (7"-21"). There are 20 xPDs with dimensions 210 x 183 x (145-295) mm<sup>3</sup> or 8" x 7" x (6"-12"). Altogether these boxes contain 600 printed circuit boards of about 70 different designs. The boxes are of bolted construction and made primarily of Al Alloy 7075 T7351 which is clear anodized except in areas where galvanic contact is required, where it is alodined. The boxes are joined together to form four (4) self supporting structures which are bracketed to the USS. Each of these structures supports a radiator panel. Each type of box and associated power supply will undergo full EMC testing. Each box will have undergone MWL vibration testing and acceptance level TVT before installation.

For the materials please add Polyamide for the PCB's, and just leave Solithane 113 as the conformal coating. Please note that all metal shell connectors use electroless nickel coating.

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