

FI-E SERIES CONNECTOR FOR LVDS INTRODUCED BY JAE

IRVINE, CA., —Japan Aviation Electronics (JAE) has introduced the FI-E Series connector for digital TV internal wiring. The new connector series is specifically designed with the electrical and mechanical features necessary to best support transmission of Low Voltage Differential Signal (LVDS) within digital devices.

As consumer products increasingly incorporate digital technology, the FI-E Series meets the internal signal needs for products such as LCD, PDP, and rear projection TVs, as well as other equipment utilizing LVDS. A robust connector, the FI-E series has a 20 mating cycle durability and incorporates the ease of a blind mating guide, and a locking mechanism to prevent unwanted unmating. The receptacle has multiple soldering points to ensure it stays secured to the board. The connector has a low-profile 3.2mm (0.126") height, a fine 1mm (0.039") pitch, and is lead free to meet the space and environmental requirements of system designers.

The FI-E Series is available in 14 and 30 positions, crimp and solder termination for the harness, and works with twisted pair and fine coax cable. It is rated to 1A and 200V per terminal, and operates in the temperature range -40° to +80° C. Additional features include contact resistance of 40 milliohms or less, insulation resistance of at least 100 Megohms, and dielectric withstanding voltage of 500VAC r.m.s. for 1 minute.

For pricing on FIE receptacles and cable assemblies, please contact JAE. For additional information on the FIE Series connectors and the complete line of JAE connector products, visit JAE's comprehensive connector search engine at WWW.jae—connector.com or contact

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