



Amphenol Socapex expanded its RJ Field and USB Field Series rugged connectors with two new reduced-flange versions for space- and weight-constrained military and railway applications: the [RJF TV6](#) and [USB3F TV](#). The compact solutions reduce panel surface footprint by 40% and weight by 15% compared to standard

versions of the series while providing the same high performance and resistance to corrosion, shock, and vibration. The new RJF TV6 reduced-flange connectors support data acquisition and transmission over Cat6 Ethernet for 10BaseT, 100BaseT, and 1000BaseT networks in harsh environments, and are compatible with standard series plugs and caps. The new USB3F TV reduced-flange connectors follow USB 3.0 performance specifications and are also compatible standard series plugs and caps. Both connectors utilize a MIL-DTL-38999 Series III thread-coupling mechanism and are available in different materials and surface treatments, including: cadmium, zinc, black nickel, and nickel, to suit harsh environmental demands.