

QUICK-LOK

The QUICK-LOK product line is a descendant of the HV38999 product profile which is designed to provide solutions for next generation power requirements. QUICK-LOK offers a bayonet coupling mechanism which allows for quick, ¼ turn mating, with confirmation of a full mate via an audible indication when the bayonet pins lock into position.



HVGT

The HVGT connector series, with reverse bayonet coupling, packages the high voltage/power HV38999 inserts into a ruggedized shell with roots in the military market. The insert technology allows for higher power density per shell when compared to traditional MIL-DTL-5015 arrangements. Extended creepage paths for high voltage operation may also provide a larger safety factor in environments with a high degree of pollution.



FEATURES & BENEFITS:

- Audible and tactile feedback when fully mated
- Assurance of fully mated connectors in visually restricted areas
- Available safety interlock circuitry utilizes last mate, first break sequence
- Designed to meet applicable mechanical and environment requirements for aircraft and military ground vehicles

HV38999 Test Voltages (Pre-Production Arrangement 13-54)*				
ALTITUDE	DWV Test Voltages A/C (RMS)		PDIV Test Voltages A/C (RMS)	PDIV Test Voltage D/C
	Unmated	Mated		
SEA LEVEL	2600V	4500V	1550V	2000V
20,000 FT		3850V	1250V	1700V
30,000 FT	N/A	3700V	1100V	1400V
50,000 FT		3000V	850V	1150V

*13-54 arrangement excepted to be lowest rated arrangement. Electrical data for other arrangements available soon

**Note that the establishment of electrical safety factors is left entirely up to the system designer as they are in the best position to know what peak voltage, switching surges, transients, etc. can be expected in a particular system