

VITA 62 MULTI-BEAM XLE POWER CONNECTORS



The MULTI-BEAM XLE power connector, specified for the VPX VITA 62 power supply standard, offers 50 A and 20 A contacts.

The design is hot pluggable, tolerates mating misalignment, and supports VPX architecture.

Higher input voltage of 270V DC is required for select applications, including altitudes of 60-70k ft for military avionics. New VITA 62.1 and 62.2 variations meet creep/clearance distance requirements, slots are required in the boards between contacts. “Fins” are inserted between power contacts and penetrate through the board slots to increase breakdown voltage.

HIGH PERFORMANCE

- 20 A and 50 A power contacts, plus signal contacts
- 3-beam high-conductivity-copper contact design allows for a greater angular misalignment between mating connectors and offers a lower mating force
- Hot-plug capable

STANDARDS AND SPECIFICATIONS

- **Application Specification:** 114-13251
- **Instruction Sheet:** 408-163017 (270V connectors)
- **Product Specification:** 108-2292
- **Qualification Test Report:** 501-115016

	Slot Size	Position	Part Type	PCB Termination	Part No (50 Au Interface, Au Flash Tails)	Part No (30 Au Interface, Tin Pl Tails)	Notes
VITA 62.0	3U	P0	RA Header	Solder Tail	2317477-1	6450839-7	
	3U	P0	RA Header	Compliant Pin	2314578-2	6450849-7	
	3U	J0	Vert Recpt	Compliant Pin	2309390-1	1-6450869-4	
	6U	P0	RA Header	Solder Tail	2314579-1	6450833-7	
	6U	P1	RA Header	Solder Tail	2314580-1	6450839-6	
	6U	P0	RA Header	Compliant Pin	2314577-1	6450843-6	
	6U	P1	RA Header	Compliant Pin	2314578-1	6450849-6	
	6U	J0	Vert Recpt	Compliant Pin	2314581-1	6450863-5	
	6U	J1	Vert Recpt	Compliant Pin	2309390-2	1-6450869-0	
VITA 62.2 270VDC	3U	P0	RA Header	Solder Tail	2313443-1		Use Fins 2313445-1 (2 per)
	3U	P0	RA Header	Compliant Pin	2313442-1		Use Fins 2313445-1 (2 per)
	3U	J0	Vert Recpt	Compliant Pin	2313441-1		Use Fins 2313444-1 (2 per)
	6U	P0	RA Header	Solder Tail	2364867-1		Use Fins 2313445-1 (6 per)
	6U	P0	RA Header	Compliant Pin	2348886-1		Use Fins 2313445-1 (6 per)
	6U	J0	Vert Recpt	Compliant Pin	2348888-1		Use Fins 2313444-1 (6 per)
VITA 62.1 3-Phase	3U	P0	RA Header	Solder Tail	2332791-1		Use Fins 2313445-1 (6 per)
	3U	P0	RA Header	Compliant Pin	2332793-1		Use Fins 2313445-1 (6 per)
	3U	J0	Vert Recpt	Compliant Pin	2332795-1		Use Fins 2313444-1 (6 per)

