

Power Supply Products

XPm2010



XPm2020



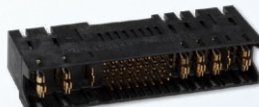
XPm2120



XPm2220



General Information

Description	The XPm2010 is a standard 300 W PICMG 2.11 power supply. Note that the PICMG 2.11 connector does not insert into a VITA 46.0-compliant chassis without modifications to either the connector or chassis.	The XPm2020 is a standard 300 W VITA 62.0 power supply.	The XPm2120 is a 12 V-centric standard 300 W VITA 62.0 power supply.	The XPm2220 is a standard 300 W VITA 62.0 power supply with integrated MIL-STD-1275 transient suppression circuitry.
Typical Backplane Used	3U cPCI	3U VPX	3U VPX	3U VPX
Chassis Pitch	0.8"	0.8"	0.8"	0.8"
Ruggedized and Conduction-Cooled	Yes	Yes	Yes	Yes
IPMI	Yes	Yes	Yes	Yes
Connector Used	Positronics PCIH47M400A1	Tyco Electronics Multi-Beam XLE	Tyco Electronics Multi-Beam XLE	Tyco Electronics Multi-Beam XLE
Connector Pinout Specification	PICMG 2.11 cPCI	VITA 62.0 VPX	VITA 62.0 VPX	VITA 62.0 VPX
Connector Photo				
Availability	Now	Now	Now	Now

Electrical Characteristics

Max. Power Output	300 W	300 W	300 W	300 W
Max. Current on 12 V	8.3 A	8.3 A	25 A	25 A
Max. Current on 5 V	22 A	22 A	40 A	40 A
Max. Current on 3.3 V	25 A	20 A	20 A	20 A
Max. Current on -12 V	2 A	2 A	2 A	2 A
3.3 V Isolated AUX Supply	No	Yes / 4 A	Yes / 4 A	Yes / 4 A
Max. Efficiency	> 90%	> 90%	> 90%	> 90%
MIL-STD-704 Input Voltage	28 VDC	28 VDC	28 VDC	28 VDC
Max. Steady State Input Voltage	50 VDC	50 VDC	50 VDC	42 VDC
Min. Steady State Input Voltage	18 VDC	18 VDC	18 VDC	18 VDC
MIL-STD-461E Filtering	Integrated on Board	Integrated on Board	Integrated on Board	Integrated on Board
MIL-STD-1275D Compliant	No	No	Partial Compliance	Full Compliance
Optional On-Board Hold-Up Capacitance	Evan's Capacitor THS Series 100 ms @ 120 W Output	Evan's Capacitor THS Series 75 ms @ 120 W Output	Not Available (Contact X-ES)	Not Available (Contact X-ES)