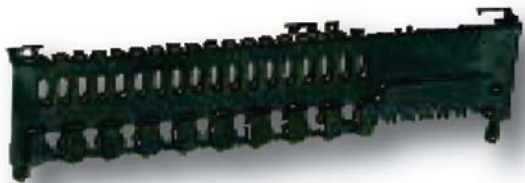


## Overview:

Energy Edge® and Energy Razor® are the next generation power connectors for power distribution. Their power and signal contacts are incorporated into one single connector. While these connectors are suitable for power distribution board-to-board connections in server, storage and telecommunication equipments, Energy Edge connectors are specialized in power distribution boards, and Energy Razor connectors are extensively used in AC/DC power supplies.



## Edge® Features:

- UL compatible
- Space saving, low-profile design
- Venting hole design for excellent thermal performance
- Cost saving, one piece assembly
- Capability for expansion to 56 power pins & 24 signal pins



## Razor® Features:

- UL compatible
- Multiple contact design for contact reliability
- Blind mating capability with guiding pin design
- Venting hole for excellent thermal performance
- Capability for expansion to 16 power pins & 24 signal pins

## Applications:

- Networking • Telecom • Servers • Storage • Wireless • Test & Measure • Industrial



## Technical Characteristics:

Mechanical		
	Energy EDGE®	Energy RAZOR®
<b>Mating Force</b>	Single power pin: 0.98N max. Single signal pin: 0.22N max.	Single power pin: R/A receptacle to R/A plug 460g max. Single power pin: Vert. receptacle to R/A. &/ Vert. plug 760g max. Single signal pin: 75g max.
<b>Unmating Force</b>	Single power pin: 0.36N min. Single signal pin: 0.06N min.	Single power pin: R/A receptacle to R/A plug 295g min. Single power pin: Vert. receptacle to R/A. &/ Vert. plug 340g min. Single signal pin: 30g min.
<b>Contact Retention Force</b>	Single power pin: 32N min. Single signal pin: 19N min.	1360g min.
<b>Durability</b>	200 cycles	200 cycles
Electrical		
	Energy EDGE®	Energy RAZOR®
<b>Current Rating</b>	Power Contact: 9A Signal Contact: 1.5A	Power Contact: 60A Signal Contact: 2.5A
<b>Contact Resistance</b>	Initial: 25 mΩ max. ΔR=10 mΩ max.	Initial: 20 mΩ max.    Initial: 0.27Ω max. ΔR=10 mΩ max.        ΔR=0.3 mΩ max.
<b>DWV</b>	Power Contact: 1800V DC Signal Contact: 500V DC	Power Contact: 250 or 600V Signal Contact: 250V

## Ordering Information:

Part Number Base	Part Number	Series	Type	Male/Female	Plating	Contact Arrangement
GPGE	GPGE43282013HR	Energy Edge	Straddle	Female	15μ"	28P20S
	GPGE44282013HR	Energy Edge	Straddle	Female	30μ"	28P20S
GPCE	GPCE44362411HR	Energy Edge	Straddle	Female	30μ"	36P24S
	GPCEH33624108HR	Energy Edge	Right Angle Sink	Female	15μ"	36P24S
	GPCE34362411HR	Energy Edge	Vertical Type Press Fit	Female	30μ"	36P24S
	GPCE244016112HR	Energy Edge	Vertical Type Dip	Female	30μ"	40P16S
	GPCE24362411HR	Energy Edge	Vertical Type Dip	Female	30μ"	36P24S
	GPCEG43224113HR	Energy Edge	Right Angle	Female	30μ"	32P24S
	GPCE44162013HR	Energy Edge	Straddle	Female	30μ"	16P20S
	GPCE54362413HR	Energy Edge	Straddle	Female	30μ"	36P24S
	GPCE3432121HR	Energy Edge	Vertical Type Press Fit	Female	30μ"	32P12S
G20	G20F220010002HR	Energy Razor	Right Angle	Female	30μ"	6P24S
	G20M256010002HR	Energy Razor	Right Angle	Male	30μ"	6P24S
	G20M21901A1020HR	Energy Razor	Right Angle	Male	30μ"	4P12S
	G20F243610000HR	Energy Razor	Right Angle	Female	30μ"	4P12S
G20S	G20SF240825A33AHR	Energy Razor Super	Right Angle	Female	30μ"	8DC-25S-3AC
	G20SM240825A33AHR	Energy Razor Super	Right Angle	Male	30μ"	8DC-25S-3AC
	G20SM240315033AHR	Energy Razor Super	Right Angle	Male	30μ"	3DC-15S-3DC
	G20SF2403150330HR	Energy Razor Super	Right Angle	Female	30μ"	3DC-15S-3DC



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