



**POWER STRIP 20**



UPS-08-04.0-01-L-V



**UPS SERIES**

**(3.81 mm) .150"**

# DUAL LEAF 20 A POWER SOCKET

**SPECIFICATIONS**

For complete specifications see [www.samtec.com?UPS](http://www.samtec.com?UPS)

**Insulator Material:** Black LCP

**Contact Material:** BeCu

**Plating:** Sn or Au over 50 μ" (1.27 μm) Ni

**Operating Temp Range:** -55 °C to +105 °C with Tin; -55 °C to +125 °C with Gold

**Voltage Rating:** 438 VAC/620 VDC

**Standard Creepage:** (5.8 mm) .228" (with -V)

(2.97 mm) .117" (with -RA)

**Standard Clearance:** (1.51 mm) .059"

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Yes

Yes

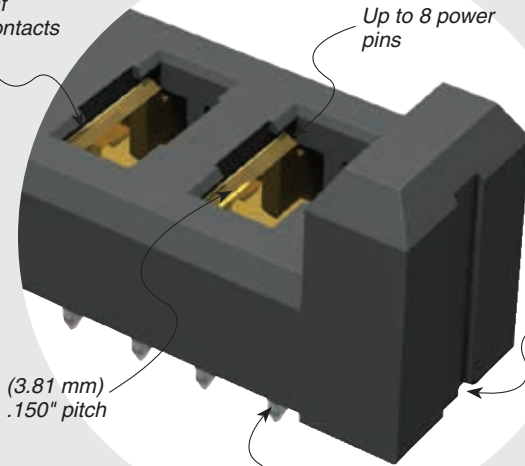
**Mates with:** UPT

PINS	UPT-V/UPS-V	UPT-RA/UPS-RA
	CURRENT RATING (PER CONTACT)	CURRENT RATING (PER CONTACT)
1	23 A	23.5 A
2	18.6 A	20.1 A
3	17.5 A	16.9 A
4	16.7 A	15.5 A
8	14 A	13.3 A

**-L PLATING**

Dual leaf blade contacts

Up to 8 power pins



Optional locking clip

(3.81 mm) .150" pitch

Vertical, right-angle or press-fit

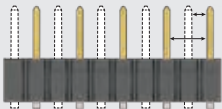


**RECOGNITIONS**

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



**CREEPAGE AND CLEARANCE**



Selectively loading contacts achieves customer specific creepage and clearance requirements. Contact [asp@samtec.com](mailto:asp@samtec.com)

**ALSO AVAILABLE (MOQ Required)**

- Solder leads for (2.36 mm) .093" thick board

**TOOLING**

Press-fit tooling available.

**Note:** Some sizes, styles and options are non-standard, non-returnable.

UPS	POWER PINS	LEAD STYLE	TAIL LENGTH	PLATING OPTION	TAIL	OTHER OPTION
-02, -04, -06, -08	-01 = RA only -04.0 = (04.0 mm) .157" (-V & -PV only) -07.0 = (07.0 mm) .276" (-V & -PV only)	-01 = Use with (1.60 mm) .062" Thick PCB (-V & -RA only) -03 = Use with (1.60 mm) .062" Thick PCB (-PV only)	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -T = Matte Tin (-RA option only)	-V = Vertical (Not available with -T plating) -RA = Right-angle -PV = Press-fit, Vertical	-LC = Locking Clip (Manual placement required) Not available with -PV option	

LEAD STYLE	A	B
-04.0	(3.75) .148	(6.75) .266
-07.0	(6.75) .266	(9.75) .384

**MATED HEIGHT\***

UPS LEAD STYLE	UPT LEAD STYLE	
	-03.0	
-04.0	(7.00)	.276
-07.0	(10.00)	.394

\*Processing conditions will affect mated height.

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.