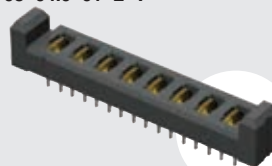




UPS-04-01-01-L-RA-LC

UPS-08-04.0-01-L-V



UPS-04-07.0-03-L-PV

(3.81 mm) .150"

UPS SERIES

# 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

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

RUGGEDIZED  
BY SAMTEC

• Locking clip option

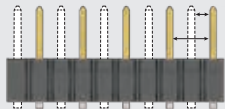
## RECOGNITIONS

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



FILE NO. E111594

## 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

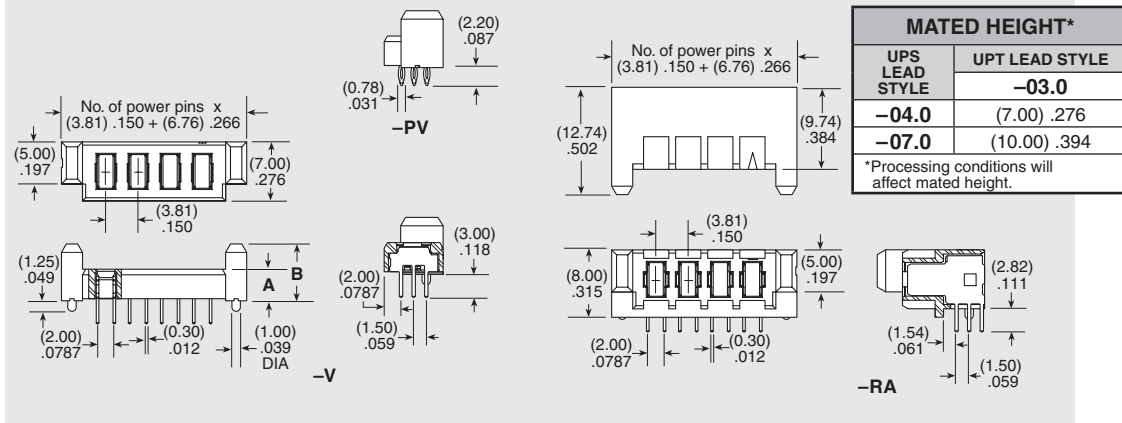
## TOOLING

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		<p>-01 = RA only</p> <p>-04.0 = (04.0 mm) .157" (-V &amp; -PV only)</p> <p>-07.0 = (07.0 mm) .276" (-V &amp; -PV only)</p>	<p>-01 = Use with (1.60 mm) .062" Thick PCB (-V &amp; -RA only)</p> <p>-03 = Use with (1.60 mm) .062" Thick PCB (-PV only)</p>	<p>-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail</p> <p>-T = Matte Tin (-RA option only)</p>	<p>-V = Vertical (Not available with -T plating)</p> <p>-RA = Right-angle</p> <p>-PV = Press-fit, Vertical</p>	<p>-LC = Locking Clip (Manual placement required) Not available with -PV option</p>

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



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.