samtec

POWER STRIP 20™

UPS–08–04.0–01–L–V

UPS–04–01–01–L–RA–LC

UPS–04–07.0–03–L–PV
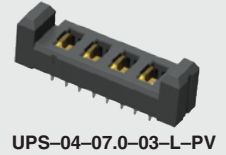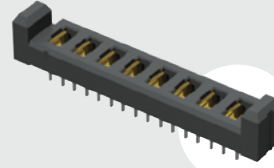
(3.81 mm) .150"

UPS SERIES

DUAL LEAF 20 A POWER SOCKET

SPECIFICATIONS

Mates with:
UPT

For complete specifications see 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:
375 VAC/530 VDC
Standard Creepage:
(5.8 mm) .228" (with –V)
(2.97 mm) .117" (with –RA)
Standard Clearance:
(1.51 mm) .059"
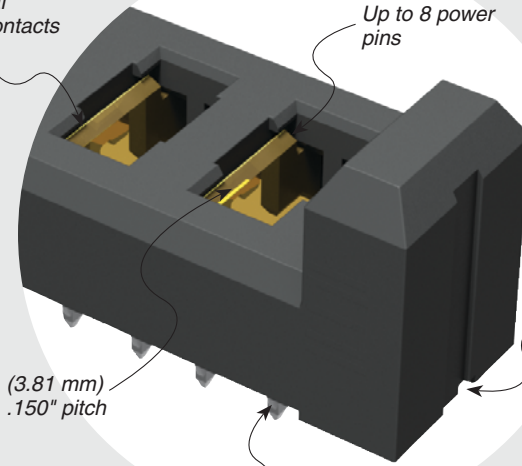**RoHS Compliant:**
Yes
Lead–Free Solderable:
Yes

Dual leaf blade contacts

Up to 8 power pins

Optional locking clip

(3.81 mm) .150" pitch

Vertical, right-angle or press-fit

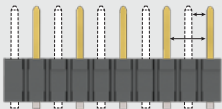|	UPT-V/UPS-V	UPT-RA/UPS-RA
PINS	CURRENT RATING (PER CONTACT)	CURRENT RATING (PER CONTACT)
1	23 A	23.5 A
2	18.6 A	20.1 A
3	17.5 A	16.9 A
4	16.7 A	15.5 A
8	14 A	13.3 A
	-L PLATING	

RUGGEDIZED BY SAMTEC

• Locking clip option

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

UL
FILE NO. E111594

CREEPAGE AND CLEARANCE

Selectively loading contacts achieves customer specific creepage and clearance requirements.
Contact asp@samtec.com

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

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

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.

(2.20) .087

(0.78) .031

–PV

No. of power pins x (3.81) .150 + (6.76) .266

No. of power pins x (3.81) .150 + (6.76) .266

(5.00) .197

(7.00) .276

(3.81) .150

(1.25) .049

B
A

(2.00) .0787

(0.30) .012

(1.00) .039 DIA

–V

(3.00) .118

(2.00) .0787

(1.50) .059

(12.74) .502

(9.74) .384

(8.00) .315

(3.81) .150

(5.00) .197

(2.00) .0787

(0.30) .012

(2.82) .111

(1.54) .061

(1.50) .059

–RA

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.