

(3.81 mm) .150"

UPT SERIES

DUAL BLADE 20A POWER HEADER

SPECIFICATIONS

For complete specifications see www.samtec.com?UPT

Insulator Material:

Black LCP

Terminal 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:

(5.5 mm) .217" (with -V)

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

Standard Clearance:

(1.51 mm) .059"

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

Mates with:
UPS

	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

Dual leaf blade contacts

(3.81 mm)
.150" pitch

2, 4, 6 or 8 power pins

Vertical, right-angle or press-fit

Optional locking clip

RUGGEDIZED
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• Locking clip option

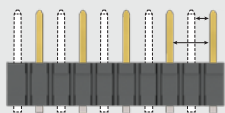
RECOGNITIONS

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



FILE NO. E111594

CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.

Contact asp@samtec.com

ALSO AVAILABLE (MOQ Required)

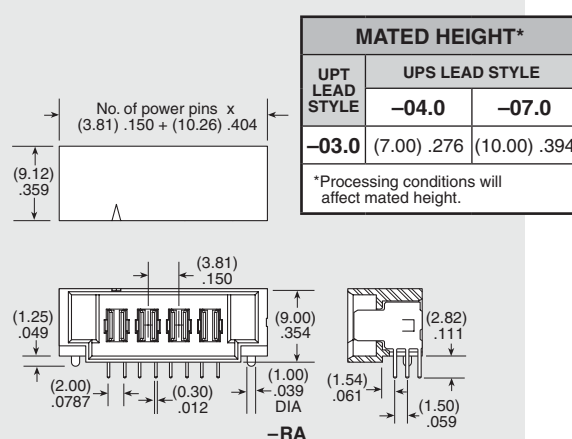
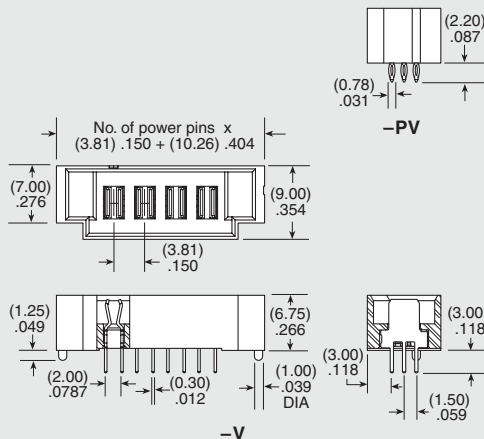
- Solder leads for (2.36 mm) .093" thick board

TOOLING

Press-fit tooling available.

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

UPT	POWER PINS	LEAD STYLE	TAIL LENGTH	PLATING OPTION	TAIL	OTHER OPTION
-02, -04, -06, -08		-01 = RA only -03.0 = (03.0 mm) .118" (-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



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

*Processing conditions will affect mated height.

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

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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.

Mouser Electronics

Authorized Distributor

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Samtec:

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