

(2.00 mm) .0787"

UMPS-04-05.5-T-VT-SM-WT

UMPS-02-03.5-G-VT-SM-WT

UMPS-04-03.5-T-VT-SM

UMPS-05-03.5-G-VT-SM-WT

UMPS SERIES

ULTRA MICRO POWER SOCKET

SPECIFICATIONS

For complete specifications
see www.samtec.com?UMPS

Insulator Material:

Black LCP

Contact Material:

Copper Alloy

Weld Tab:

Phosphor Bronze

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:

460 VAC/650 VDC

RoHS Compliant:

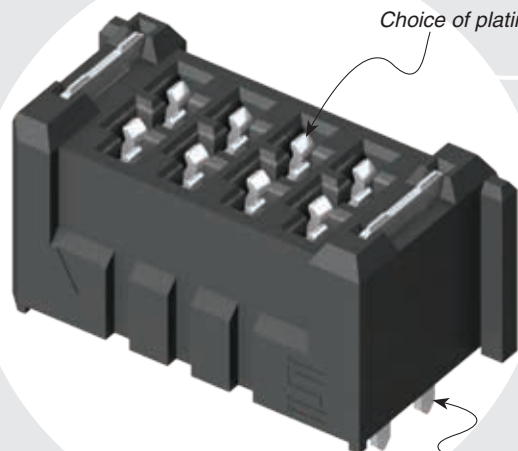
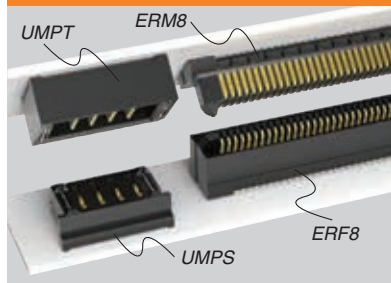
Yes

Lead-Free Solderable:

Yes

Mates with:
UMPT

APPLICATION



Choice of plating

Allows for
staging of
power and
signal/ground

Optional
weld tab

UMPT/UMPS	
PINS	CURRENT RATING (PER CONTACT)
1	18.3 A
2	14.5 A
3	14.2 A
4	12.9 A
5	12.9 A

UMPS

NO. OF
POSITIONSLEAD
STYLE

PLATING

VT

SM

OPTION

-02, -03, -04, -05

-03.5
= (03.5 mm)
.138"

-05.5
= (05.5 mm)
.217"

-G
= 10 μ" (0.25 μm)
Gold on contact,
Gold flash on tail

-T
= Matte Tin

(Leave blank for
no weld tab)

-WT
= Weld Tab
Through-hole

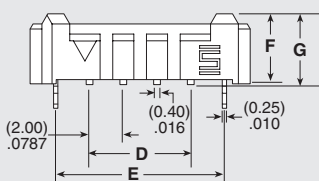
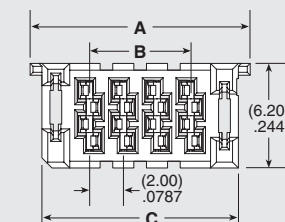
-K
= Pick & Place Pad

POWER/SIGNAL APPLICATION

Create a unique power/signal system by combining UMPT/UMPS
with a variety of Samtec connectors at various stack heights.
Contact microruggedgroup@samtec.com.

SERIES	STACK HEIGHT			
	5 mm	7 mm	10 mm	12 mm
ADX6	X			
BXE	X			
BXH	X			
BXS	X			
ERX5		X	X	X
ERX6	X			
ERX8		X	X	X
LPAX	X			
QMS/QFS			X	
QRX8		X	X	X
QXE	X			
QXH	X			
QTS/QSS	X			
SEAX		X	X	X
SEAX8		X	X	
SX4	X			
SX5	X			
XEM		X	X	

LEAD STYLE	F	G
-03.5	(4.15) .163	(4.20) .165
-05.5	(6.15) .242	(6.20) .244



UMPS-04-03.5-X-VT-SM-WT SHOWN

NO. OF POSITIONS	A	B	C	D	E
-02	(9.05) .356	(2.00) .0787	(7.65) .301	(2.00) .0787	(6.00) .2362
-03	(11.05) .435	(4.00) .1574	(9.65) .380	(4.00) .1574	(8.00) .3149
-04	(13.05) .514	(6.00) .2362	(11.65) .459	(6.00) .2362	(10.00) .3937
-05	(15.05) .592	(8.00) .3149	(13.65) .537	(8.00) .3149	(12.00) .4724

IN DESIGN

- Right-angle
- IPC Class 3
- Cable
- Other positions (6-10)
- Hot pluggable

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

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

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.