

POWER/2_{mm} SIGNAL COMBO PCS2, PCT2 SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?PCS2 or www.samtec.com?PCT2

Insulator Material:

Black Liquid Crystal Polymer

Contact Material :

BeCu

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over 50μ" (1,27μm) Ni on signal pins;
Sn over 50μ" (1,27μm) Ni on power pins

Operating Temp Range:

-55°C to +105°C with Tin
-55°C to +125°C with Gold

Contact Resistance:

10 mΩ max

Insertion Depth:

(2,62mm) .103" to (5,03mm) .198" with (0,38mm) .015" wipe

Max Cycles:

100 with 10μ" (0,25μm) Au

Insertion Force:

(Single contact only)
28oz (7,78N) avg per power contact plus
1.8oz (0,50N) avg per signal contact

Withdrawal Force:

(Single contact only)
20oz (5,56N) avg per power contact plus
1.0oz (0,28N) avg per signal contact

Voltage Rating:

500 VAC

RoHS Compliant:

Yes

CURRENT RATING

AMBIENT TEMP	PCT2/PCS2
20°C	15.6A
40°C	14.0A
60°C	12.0A
75°C	8.4A

4 POWER PINS POWERED

Processing:

Max Processing Temp:

230°C for 60 seconds, or

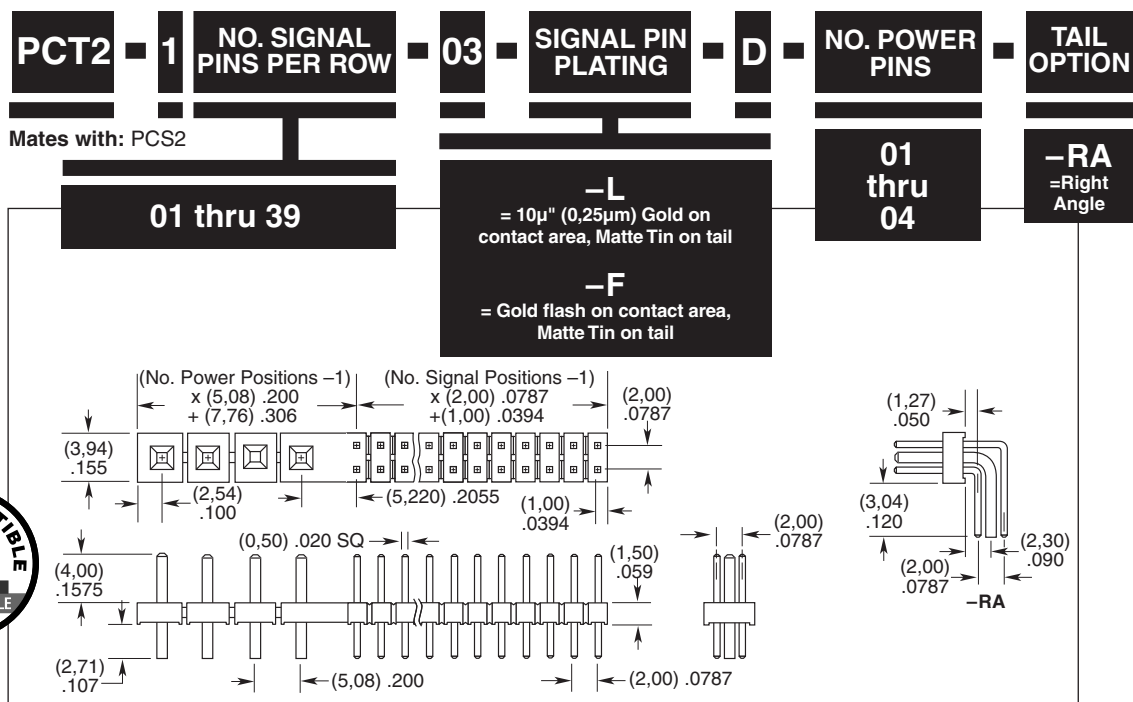
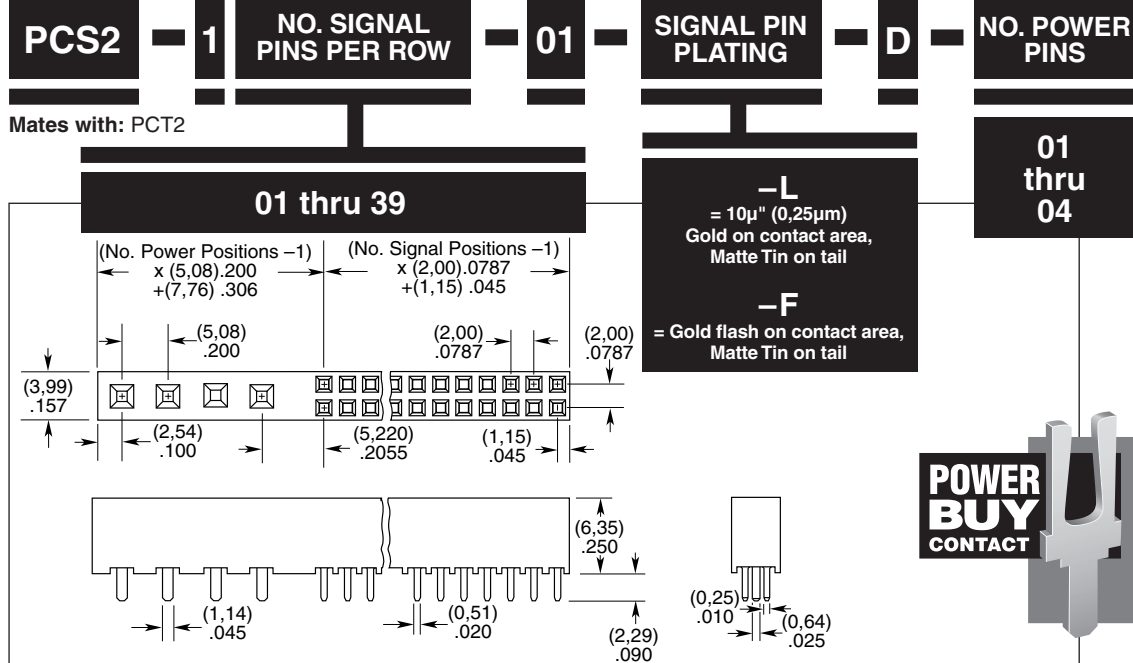
260°C for 20 seconds 3x

Lead-Free Solderable:

Yes



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



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

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