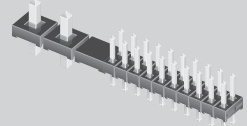


PCT2-110-03-L-D-02



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 | |

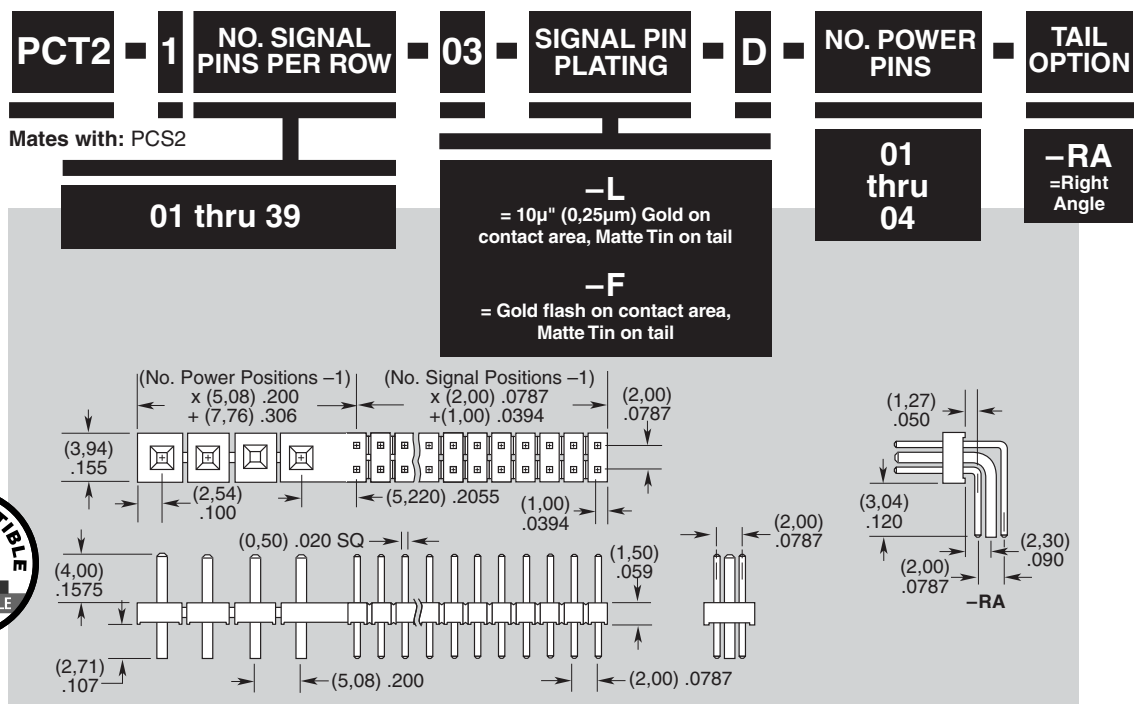
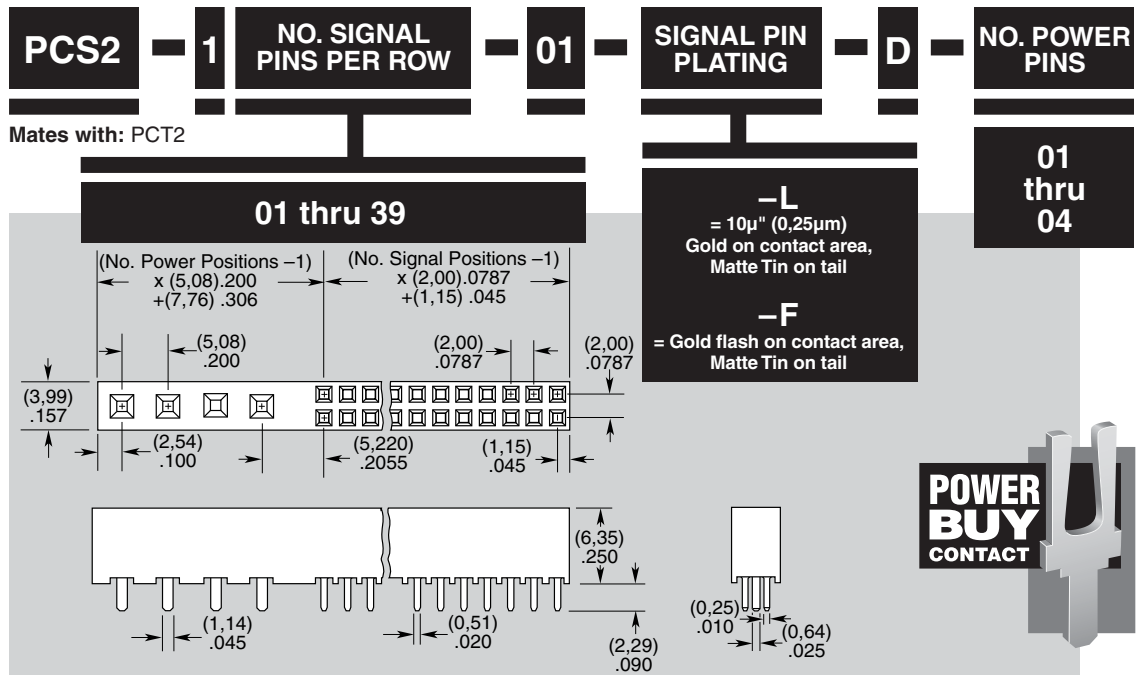
Processing:

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.

WWW.SAMTEC.COM