

samtec



THE VITAL COMPONENT

PCS2-124-01-L-D-04

PCT2-110-03-L-D-02

POWER COMBO PCS2, PCT2 SERIES

SPECIFICATIONS

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" wiper

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



PCS2

1

NO. SIGNAL
PINS PER ROW

01

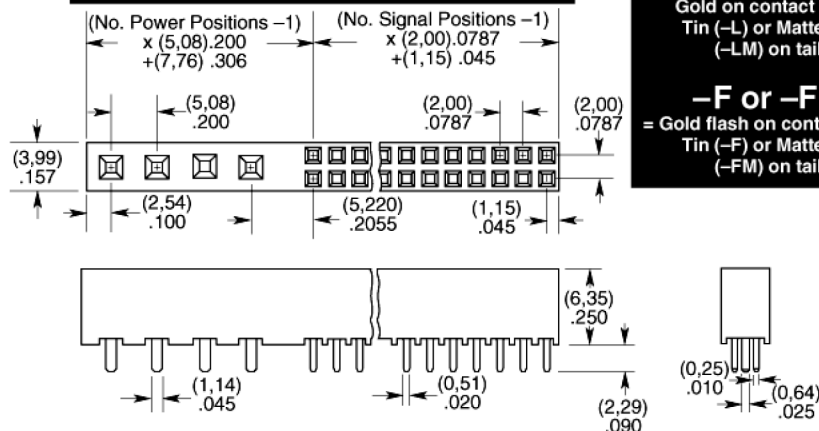
SIGNAL PIN
PLATING

D

NO. POWER
PINS

Mates with: PCT2

01 thru 39



-L or -LM
= 10µ" (0,25µm) Gold on contact area,
Tin (-L) or Matte Tin (-LM) on tail

-F or -FM
= Gold flash on contact area,
Tin (-F) or Matte Tin (-FM) on tail

01
thru
04

**POWER
BUY**
CONTACT
(7 Amps @
70°C ambient)

PCT2

1

NO. SIGNAL
PINS PER ROW

03

SIGNAL PIN
PLATING

D

NO. POWER
PINSTAIL
OPTION

Mates with: PCS2

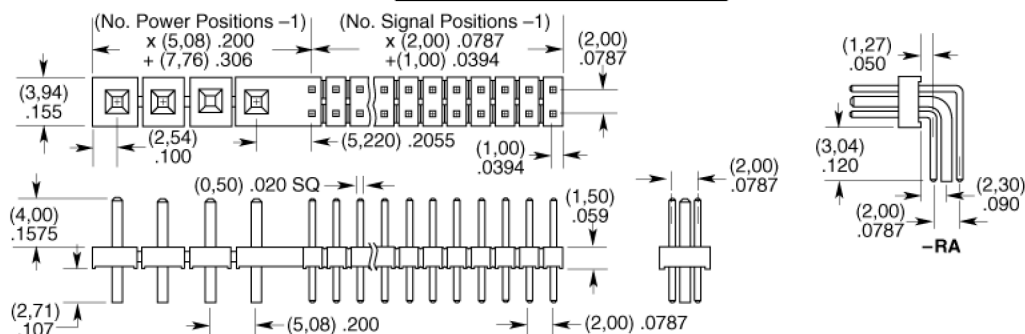
01 thru 39

-L or -LM
= 10µ" (0,25µm) Gold on contact area,
Tin (-L) or Matte Tin (-LM) on tail

-F or -FM
= Gold flash on contact area,
Tin (-F) or Matte Tin (-FM) on tail

01
thru
04

-RA
=Right
Angle



CURRENT RATINGS		
AMBIENT TEMP	POWER LEAD	SIGNAL LEAD
20°C	13A	5.5A
40°C	11A	5A
60°C	8A	4A
80°C	6A	3A

Processing:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

with Matte Sn plating

Lead-Free Solderable:

Wave, or reflow with Matte Sn



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.