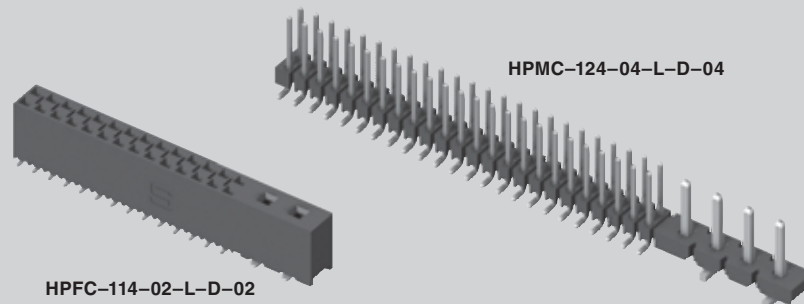




(2,54 mm) .100"

HPFC, HPMC SERIES



HPFC-114-02-L-D-02

HPMC-124-04-L-D-04

SIGNAL POWER COMBO SYSTEM

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?HPFC or www.samtec.com?HPMC

Insulator Material:

Black Liquid

Crystal Polymer

Signal Contact (HPFC):

Phosphor Bronze

Power Contact (HPFC):

BeCu

Terminal (HPMC):

Phosphor Bronze

(Signal & Power)

Plating:

Sn or Au over 50µ" (1,27 µm)

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

Insertion Depth:

(3,68 mm) .145" to

(8,26 mm) .325"

Wiping Distance:

(0,381 mm) .015"

Insertion Force:

(Single contact only)

5 oz (1,39 N) avg. (signal pins)

56 oz (15,57 N) avg. (power pins)

Withdrawal Force:

(Single contact only)

3 oz (0,83 N) avg. (signal pins)

52 oz (14,46 N) avg. (power pins)

Voltage Rating:

850 VAC/1201 VDC

RoHS Compliant:

Yes



FILE NO. E111594



HPFC - 1 - SIGNAL PIN PER ROW - LEAD STYLE - SIGNAL PIN PLATING - D - POWER PINS - OPTION

Mates with:
HPMC

02 thru 24

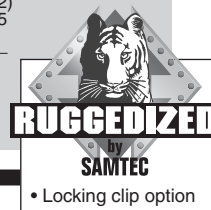
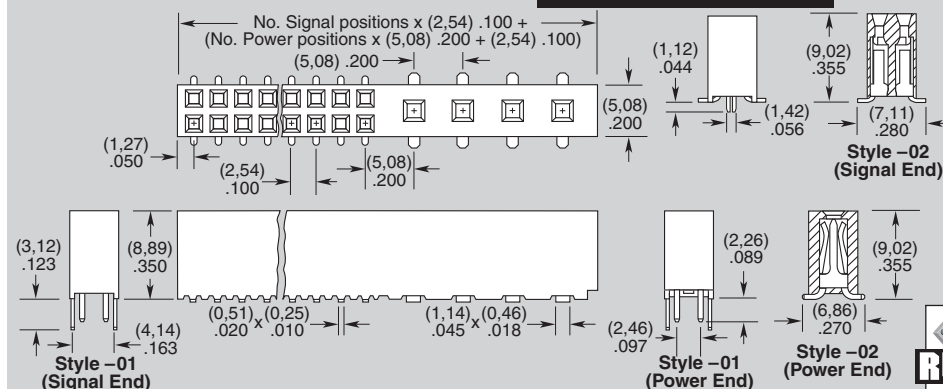
-01
= Through
-Hole-02
= Surface
Mount

-L
= 10µ" (0,25 µm)
Gold on contact area,
Matte Tin on tail
(Power Pins = All Matte Tin)

-T
= Matte Tin02
thru
04

-LC
= Locking
Clip
(Manual
placement
required)
(Not
available
with -01
lead style)

-K
= (6,50 mm)
.256" DIA
Polyimide
film Pick &
Place Pad
(5 positions
minimum)



• Locking clip option

CURRENT RATING (PER CONTACT)

AMBIENT TEMP	HPMC/HPFC
20°C	20A
40°C	17A
60°C	14A
75°C	12.7A

4 POWER PINS POWERED

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,15 mm) .006" max (02-20)

(0,20 mm) .008" max (21-24)

ALSO AVAILABLE

2 mm Combination
Power/Signal.
Call Samtec.

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

HPMC - 1 - SIGNAL PIN PER ROW - LEAD STYLE - SIGNAL PIN PLATING - D - POWER PINS

Mates with:
HPFC

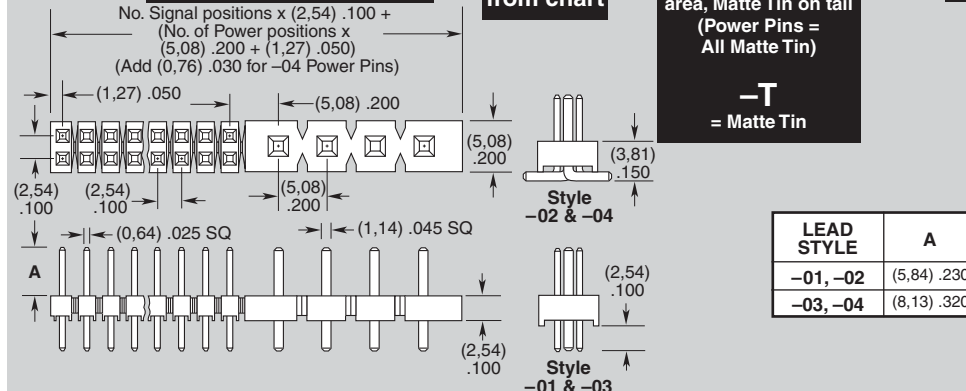
02 thru 24

Specify
LEAD
STYLE
from chart

-L
= 10µ" (0,25 µm)
Gold on contact
area, Matte Tin on tail
(Power Pins =
All Matte Tin)

-T
= Matte Tin

02 thru 04



LEAD STYLE	A
-01, -02	(5,84) .230
-03, -04	(8,13) .320

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

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