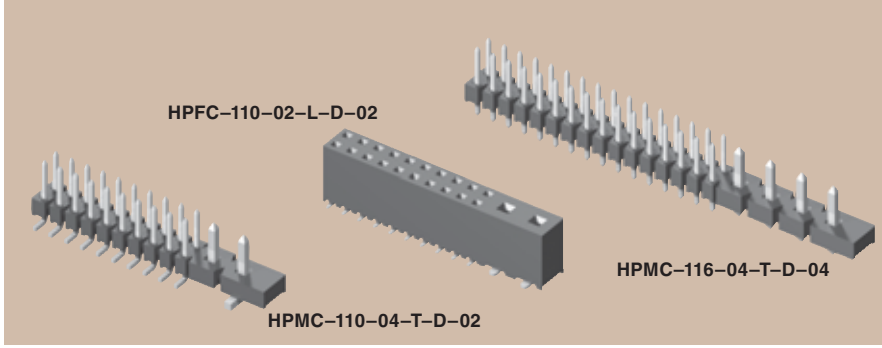




(2,00mm) .0787"

HPFC, HPMC SERIES



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" (1,27µm)
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:
(3,68mm) .145" to (8,26mm) .325"
Wiping Distance:
(0,381mm) .015"
Insertion Force:
(Single contact only)
5oz (1,39N) avg. (signal pins)
56oz (15,57N) avg. (power pins)
Withdrawal Force:
(Single contact only)
3oz (0,83N) avg. (signal pins)
52oz (14,46N) avg. (power pins)
Voltage Rating:
850 VAC
RoHS Compliant:
Yes



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

4 POWER PINS POWERED

Processing:
Max Processing Temp:
230°C for 60 seconds, or
260°C for 20 seconds 3x
Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0,15mm) .006" max (02-20)
(0,20mm) .008" max (21-24)

ALSO AVAILABLE

2mm Combination Power/Signal.
Call Samtec.

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

HPFC

Mates with: HPMC

1

SIGNAL PIN PER ROW

02 thru 24

LEAD STYLE

-01 = Through-Hole
-02 = Surface Mount

SIGNAL PIN PLATING

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

D

02 thru 04

POWER PINS

-LC = Locking Clip (Not available with -01 lead style)
-K = (6,50mm) .256" DIA Polyimide film Pick & Place Pad (5 positions minimum)



HPMC

Mates with: HPFC

1

SIGNAL PIN PER ROW

02 thru 24

LEAD STYLE

Specify LEAD STYLE from chart

SIGNAL PIN PLATING

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

D

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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