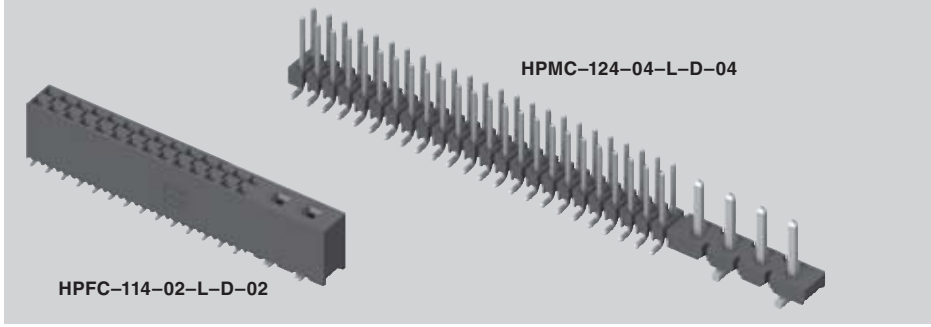




(2,54mm) .100"

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/1201 VDC
RoHS Compliant:
Yes



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" (0,25µm) Gold on contact area, Matte Tin on tail (Power Pins = All Matte Tin) -T = Matte Tin		02 thru 04	-LC = Locking Clip (Manual placement required) (Not available with -01 lead style) -K = (6,50mm) .256" DIA Polyimide film Pick & Place Pad (5 positions minimum)

Style -01 (Signal End)
Style -01 (Power End)
Style -02 (Signal End)
Style -02 (Power End)

RUGGEDIZED SAMTEC
• Locking clip option

CURRENT RATING	
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:
(0,15mm) .006" max (02-20)
(0,20mm) .008" max (21-24)

ALSO AVAILABLE
2mm Combination Power/Signal.
Call Samtec.

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" (0,25µm) Gold on contact area, Matte Tin on tail (Power Pins = All Matte Tin) -T = Matte Tin		02 thru 04

Style -02 & -04
Style -01 & -03

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

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