



HPMC-124-04-L-D-04

HPFC-114-02-L-D-02

(2,54 mm) .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" (1,27 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

Processing:
Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0,15 mm) .006" max (02-20)
(0,20 mm) .008" max (21-24)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



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

| | | | | | | | |
|------------------|----------|---------------------------|---|---|-------------------|--|---------------|
| 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 Tin | 02 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) | |

RUGGEDIZED SAMTEC
• Locking clip option

| | | | | | | |
|------------------|----------|---------------------------|-------------------------------|---|-------------------|-------------------|
| 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 |

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