

(2,54 mm) .100"

# SIGNAL POWER COMBO SYSTEM

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?HPFC](http://www.samtec.com?HPFC) or [www.samtec.com?HPMC](http://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)

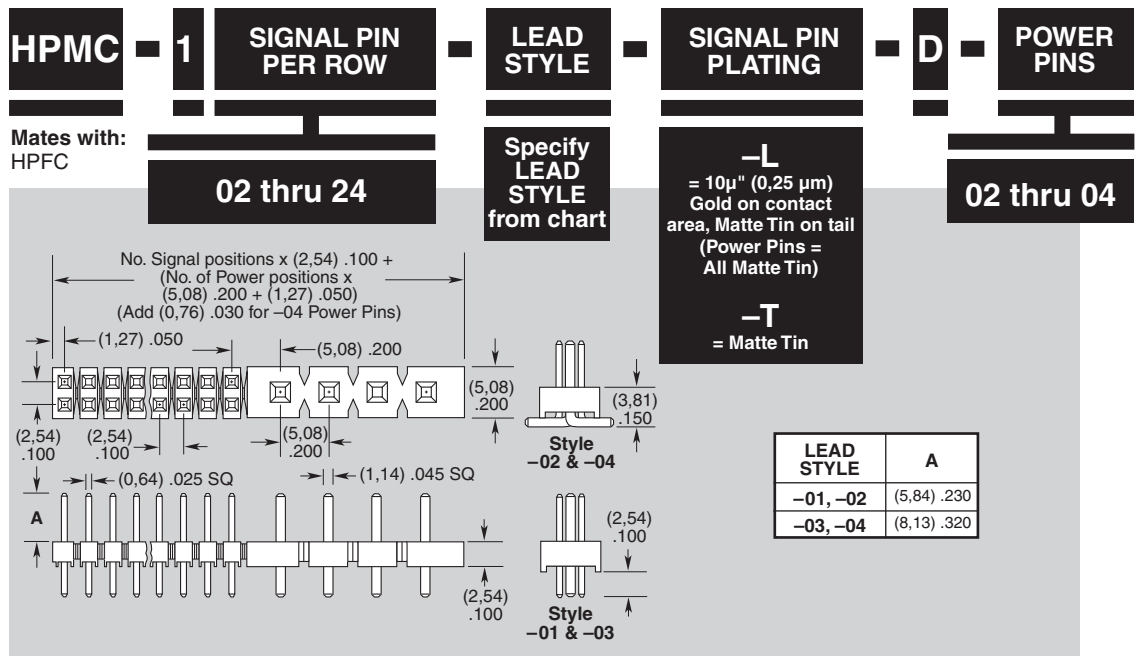
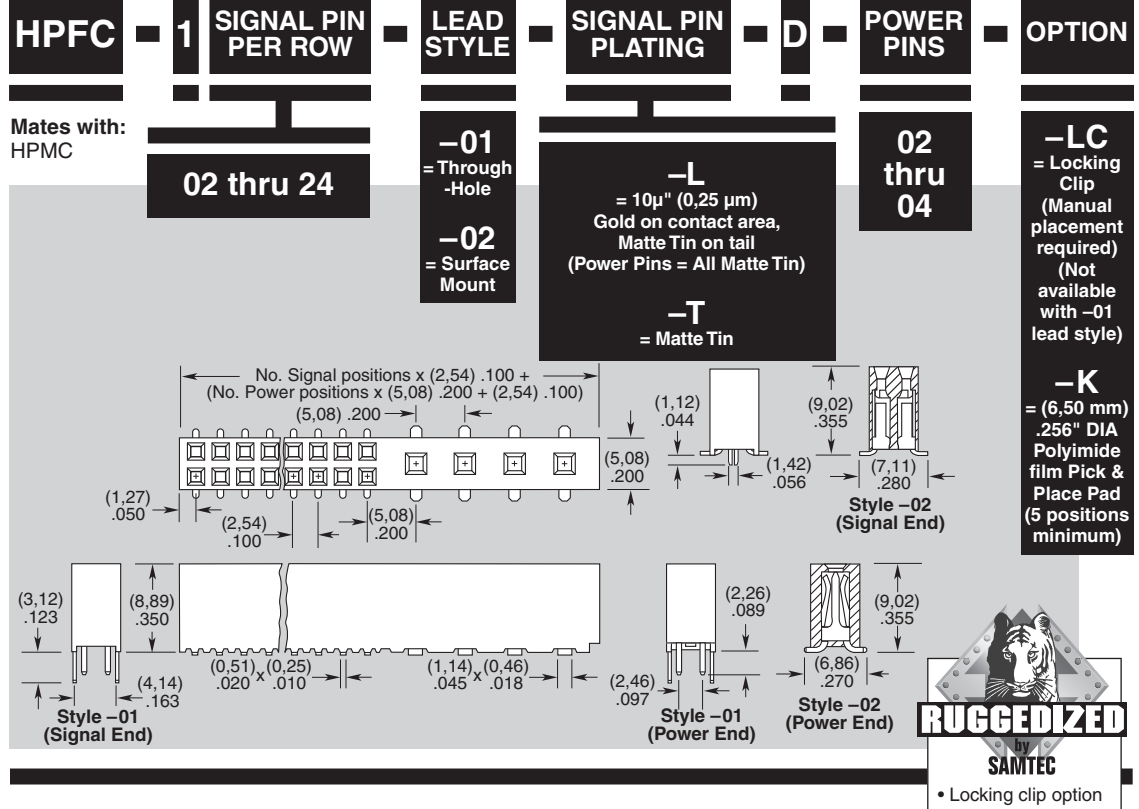
(0,20 mm) .008" max (21-24)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



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



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