

2mm ISOLATED POWER TPCM, TPCF SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?TPCM or www.samtec.com?TPCF

Insulator Material:
Black Liquid Crystal Polymer

Terminal Material (TPCM):
Phosphor Bronze

Contact Material (TPCF):
Phosphor Bronze

Plating:

Sn or Au over 50µ" (1,27µm) Ni

Current Rating:

Signal Pins: 3A @ 80°C ambient

Power Pins: 2.5A @ 30°C temperature rise

Operating Temp Range:

-55°C to +105°C with Tin;

-55°C to +125°C with Gold

Voltage Rating:

Signal Pins: 425 VAC

Power Pins: 925 VAC

Insertion Force (TPCF):

(Single contact only)

4oz (1,11N) avg

Withdrawal Force (TPCF):

(Single contact only)

3oz (0,83N) avg

NO. OF POSITIONS PER ROW	NO. OF SIGNAL PER ROW	NO. OF POWER PER ROW
20	12 4	4 8
30	22 14	4 8
40	32 24	4 8
50	42 34	4 8

Processing:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x with

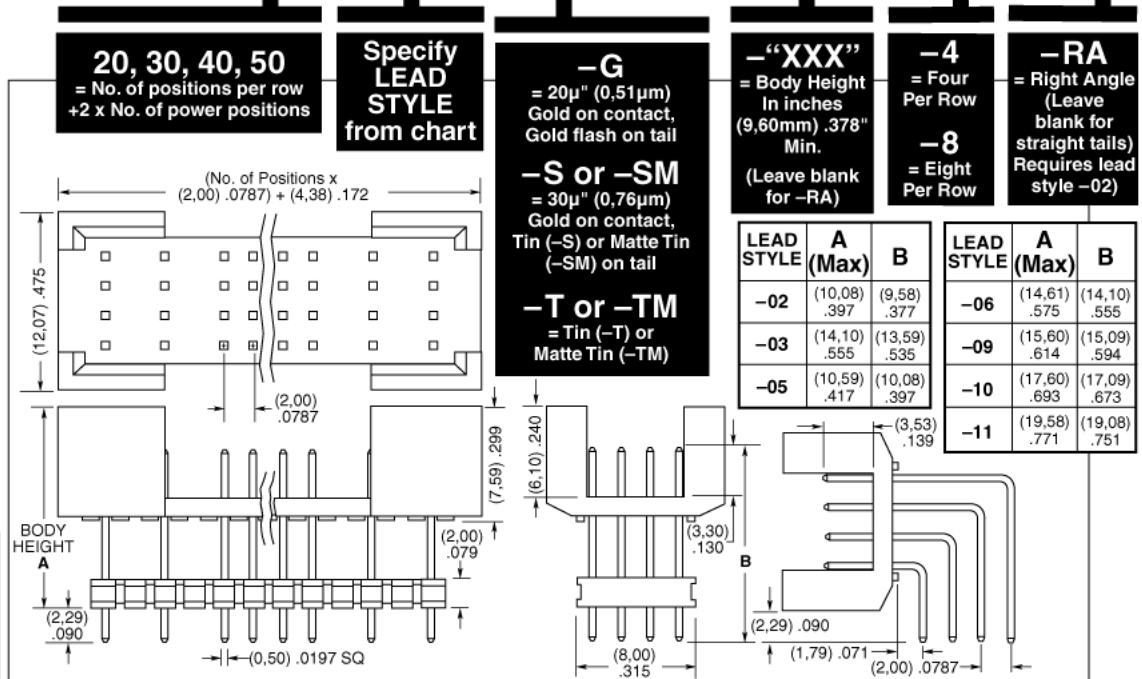
all Au or Matte Sn plating

Lead-Free Solderable:

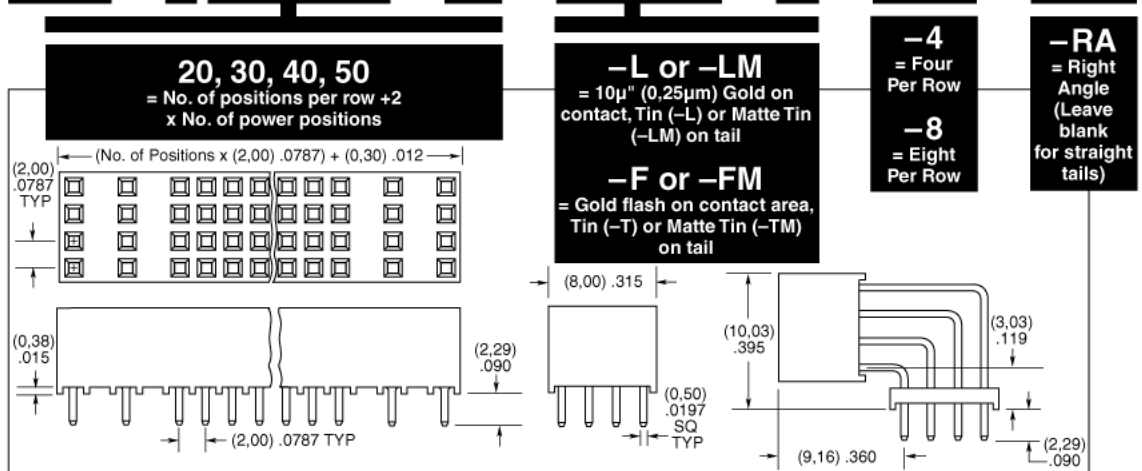
Wave, or reflow with all Au or Matte Sn

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

TPCM	1	NO. POS. PER ROW	LEAD STYLE	PLATING OPTION	Q	BODY HEIGHT	POWER POS.	RA OPT.
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TPCF	1	NO. POS. PER ROW	01	PLATING OPTION	Q	POWER POS.	RA OPTION
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Due to technical progress, all designs, specifications and components are subject to change without notice.

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