



ISOLATED POWER/2mm SIGNAL TPCM, TPCF

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

RoHS Compliant: Yes

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

Lead-Free Solderable: Yes

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.**

20, 30, 40, 50
= No. of positions per row + 2 x No. of power positions

Specify LEAD STYLE from chart

-G
= 20µ" (0,51µm) Gold on contact, Gold flash on tail

-S
= 30µ" (0,76µm) Gold on contact, Matte Tin on tail

-F
= Gold flash on contact, Matte Tin on tail

-“XXX”
= Body Height In inches (9,60mm) .378" Min. (Leave blank for -RA)

-4
= Four Per Row

-8
= Eight Per Row

-RA
= Right Angle (Leave blank for straight tails) Requires lead style -02

LEAD STYLE	A (Max)	B	LEAD STYLE	A (Max)	B
-02	(10,08) .397	(9,58) .377	-06	(14,61) .575	(14,10) .555
-03	(14,10) .555	(13,59) .535	-09	(15,60) .614	(15,09) .594
-05	(10,59) .417	(10,08) .397	-10	(17,60) .693	(17,09) .673
			-11	(19,58) .771	(19,08) .751

TPCF - **1** **NO. POS. PER ROW** - **01** - **PLATING OPTION** - **Q** - **POWER POS.** - **RA OPTION**

20, 30, 40, 50
= No. of positions per row + 2 x No. of power positions

-L
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail

-F
= Gold flash on contact, Matte Tin on tail

-4
= Four Per Row

-8
= Eight Per Row

-RA
= Right Angle (Leave blank for straight tails)

Due to technical progress, all designs, specifications and components are subject to change without notice.

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