



POWER EDGE CARD PEC, OPP SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?PEC or www.samtec.com?OPP

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

BeCu

Plating:

Sn over 50µ" (1.27µm) Ni

Operating Temp Range:

-55°C to +105°C

Voltage Rating (PEC):

250 VAC

Voltage Rating (OPP):

600 VAC

RoHS Compliant:

Yes

Processing:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

SMT Lead Coplanarity (PEC):

(0,10mm) .004" max

SMT Lead Coplanarity (OPP):

(0,15mm) .006" max



PEC — **NO. PINS PER ROW** — **LEAD STYLE** — **PLATING OPTION** — **S** — **OPTION**

-03, -07, -10

NO. OF POSITIONS	A	B	C
-03	(12,70) .500	(11,43) .450	N/A
-07	(22,86) .900	(21,59) .850	(8,89) .350
-10	(30,48) 1.200	(29,21) 1.150	(11,43) .450

-01 = Straight Tail
-02 = Surface Mount

-T = Matte Tin

-A = Alignment Pin (N/A with -LC)
-LC = Locking Clip (N/A with -A)

CURRENT RATING	
AMBIENT TEMP	PEC
20°C	9.8A
40°C	8.5A
60°C	7A
75°C	5.8A

4 POSITIONS POWERED



OPP — **NO. PINS PER ROW** — **01** — **PLATING OPTION** — **S** — **INSERT OPTION** — **OTHER OPTION**

-03, -07, -10
(-07 and -10 may require board stiffener)

-T = Matte Tin

(Leave blank for no Screw Inserts)
-E = #2-56 x 1/16" screw thread
-M = 2,00mm x 0,40mm screw thread

(Leave blank for no Alignment Pin)
-AT = Alignment Pin Top Side
-AB = Alignment Pin Bottom Side
-AD = Alignment Pin Dual Side

-AT, -AD & -AB OPTION

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

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

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