



# POWER EDGE CARD PEC, OPP SERIES

## SPECIFICATIONS

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

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



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

**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)

**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**

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

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