

ULTRA RUGGED I/O SYSTEMS



FEATURES & BENEFITS

- Small form factor
- Four points of contact for a reliable connection and high mating cycles
- Up to 40 positions per row
- Cable-to-cable & cable-to-board solutions
- EMI shielding limits signal degradation and optimizes performance
- Through-hole or surface mount
- 28 & 30 AWG cable
- Availability of contacts (high-speed, RF, power) in 1 to 5 block configurations (See page 231)

MAX
3.8
A m p s



Extreme density with up to 1,450 total I/Os in a 1RU panel
(29 cables at 50 total I/Os each)

KEY SPECIFICATIONS

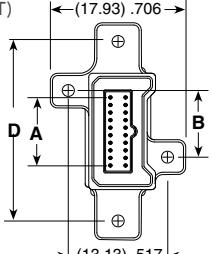
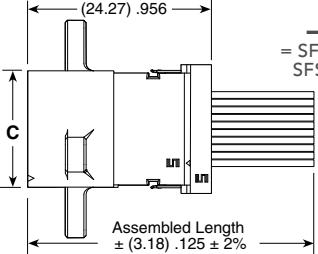
Series	Insulator Material	Contact Material	Shield Material	Plating	Operating Temp Range	Current Rating	Voltage Rating
P1PD(X), B1SD(X), P1M	Liquid Crystal Polymer	Beryllium Copper	Zinc Alloy	Au over 50 μ " (1.27 μ m) Ni	-10 °C to +80 °C (PVC) -40 °C to +125 °C (*Teflon™ Fluoropolymer)	3.8 A per pin (2 pins powered)	200 VAC/ 282 VDC
B1SM		Copper Alloy		50 μ " (1.27 μ m) Au center contact	Testing Now!	Testing Now!	Testing Now!
P1SM				30 μ " (0.76 μ m) Au center contact			

*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.

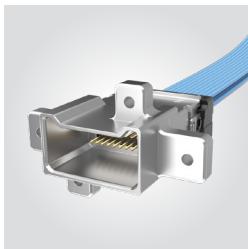
(1.00 mm) .0394" PITCH • PANEL MOUNT I/O CABLE/COMPONENTS

SERIES	NO. OF POSITIONS	WIRE GAUGE	COLOR CODE	PLATING	ASSEMBLED LENGTH	END OPTION	PINOUT
P1PD = Double Row Panel Mount PVC Cable	-10, -15, -25, -30 (Per Row)	-28 = 28 AWG	(Leave blank for standard wire)	-H = 30 μ " (0.76 μ m) Gold on contact area, Gold flash on tail	-"XX.X" = Length in inches 06.0" (152.4 mm) minimum	(Leave blank for single ended)	(Leave blank for single ended)
P1PDT = Double Row Panel Mount Blue *Teflon™ Fluoropolymer Cable		-30 = 30 AWG	C = Color Code Wire (Not available with P1PDT)				

P1PD PRELIMINARY

P1PD, P1PDT
Cable Mates:
B1SD, B1SDT



P1PD & P1PDT CABLE HOLDER
(Required for use with IPP1)

SERIES	NUMBER OF POSITIONS
P1PDR	-10, -15, -25, -30

View complete specifications at: samtec.com?P1PD & samtec.com?P1PDT

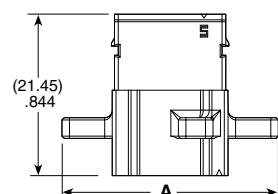
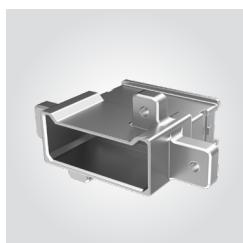
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Notes:
Teflon™ Fluoropolymer Cable is intended for crimp only. Contact Samtec for solderable cable applications.

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

P1PDS	NO. OF POSITIONS	N	IPP1	NO. OF POSITIONS	1
	-10, -15, -25, -30				

-10, -15, -25, -30

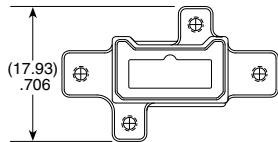


NO. OF POSITIONS	A
-10	(28.75) 1.132
-15	(33.75) 1.329
-25	(43.75) 1.722
-30	(48.75) 1.920

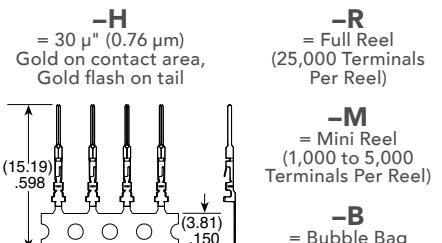
Note:
Some lengths, styles and options are non-standard, non-returnable.

NO. OF POSITIONS	A	B
-10	(12.290) .484	(9.00) .354
-15	(17.290) .681	(14.00) .551
-25	(27.290) 1.074	(24.00) .945
-30	(32.290) 1.271	(29.00) 1.142

NO. OF POSITIONS	A
-10	(21.45) .844
-15	(26.45) .984
-25	(36.45) 1.442
-30	(41.45) 1.610



TC145	01	PLATING	PACKAGING
		-H = 30 μ " (0.76 μ m) Gold on contact area, Gold flash on tail	-R = Full Reel (25,000 Terminals Per Reel)



Hand Tool:
CAT-HT-1145-2830-12

Mini Applicator:
CAT-MC-1145-2830-XX-03

For more tooling information, visit samtec.com/tooling

View complete specifications at: samtec.com?P1PDS, samtec.com?IPP1 & samtec.com?TC145