3M[™] Pak 50 Boardmount Plug

.050" Straight and Right Angle Maxi-Mate



- High density connectors with up to 200 contacts
- Horizontal, parallel and vertical mating availability
- Insulator designed to prevent mating misalignment

Date Modified: March 10, 2003

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Physical

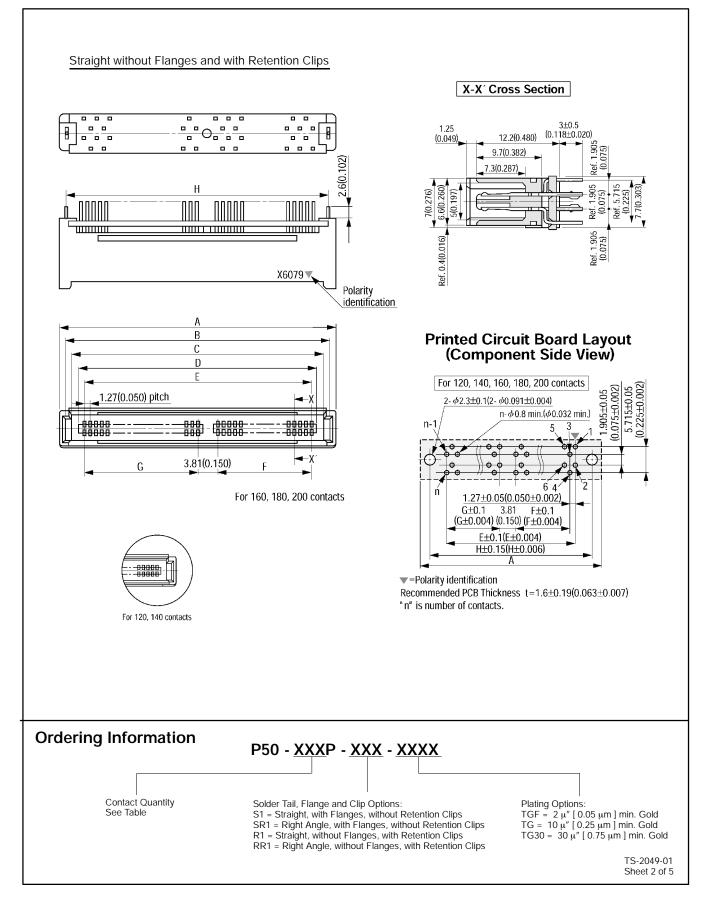
InsulationMaterial:Glass Filled NylonFlammability:UL 94V-0Color:BlackContactPlackMaterial:Phosphor BronzePlatingNickelWiping Area:See Ordering InformationSolder Tails:Tin Alloy over Nickel

Electrical

Current Rating:0.5 AInsulation Resistance: $10^3 \text{ M}\Omega$ min. at 500 VDCWithstanding Voltage650 VAC for 1 minute

Environmental

Temperature Rating: -55°C to +85°C



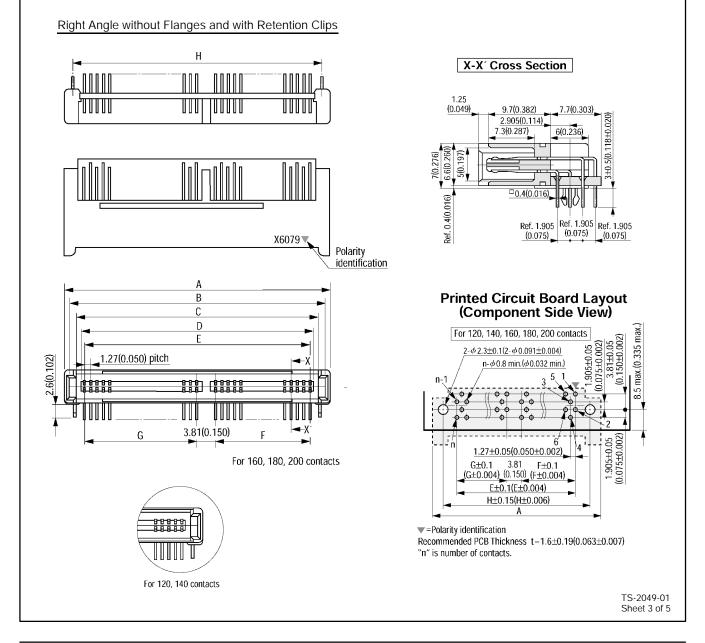
P50 Series

Product Table / Dimensions for Straight and Right Angle without Flanges and with Retention Clips

Contact Quantity	А	В	С	D	Е	F	G	Н
120	86.50	84.50	81.87	79.17	77.47	24.13	49.53	83.82
	[3.406]	[3.327]	[3.223]	[3.117]	[3.050]	[0.950]	[1.950]	[3.300]
140	99.20	97.20	94.57	91.87	90.17	24.13	62.23	96.52
	[3.906]	[3.827]	[3.723]	[3.617]	[3.550]	[0.950]	[2.450]	[3.800]
160	111.90	109.90	107.27	104.57	102.87	36.83	62.23	109.22
	[4.406]	[4.327]	[4.223]	[4.117]	[4.050]	[1.450]	[2.450]	[4.300]
180	124.60	122.60	119.97	117.27	115.57	49.53	62.23	121.92
	[4.906]	[4.827]	[4.723]	[4.617]	[4.550]	[1.950]	[2.450]	[4.800]
200	137.30	135.30	132.67	129.97	128.27	62.23	62.23	134.62
	[5.406]	[5.327]	[5.223]	[5.117]	[5.050]	[2.450]	[2.450]	[5.300]

Note:

These connectors do not have a symmetrical board layout pattern. The 120 pin connectors have 80 pins on one side and 40 pins on the other. All other pin counts have 100 pins on one side and the balance on the other side.



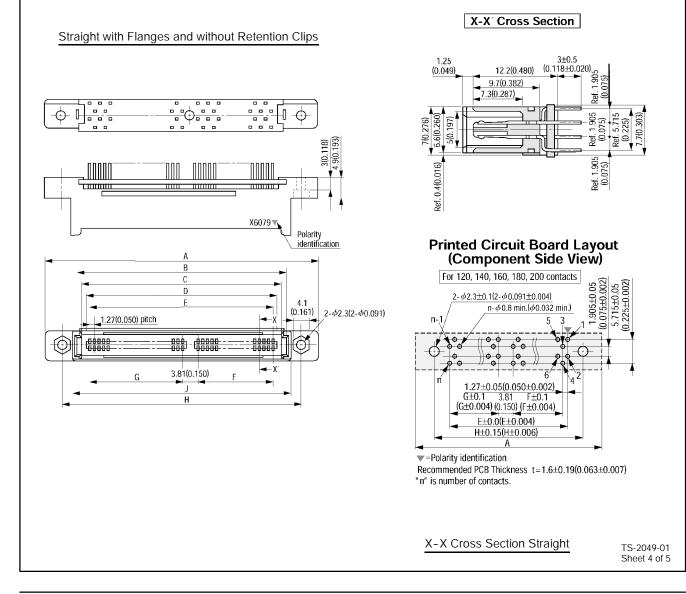
P50 Series

Product Table / Dimensions for Straight and Right Angle with Flanges and without Retention Clips

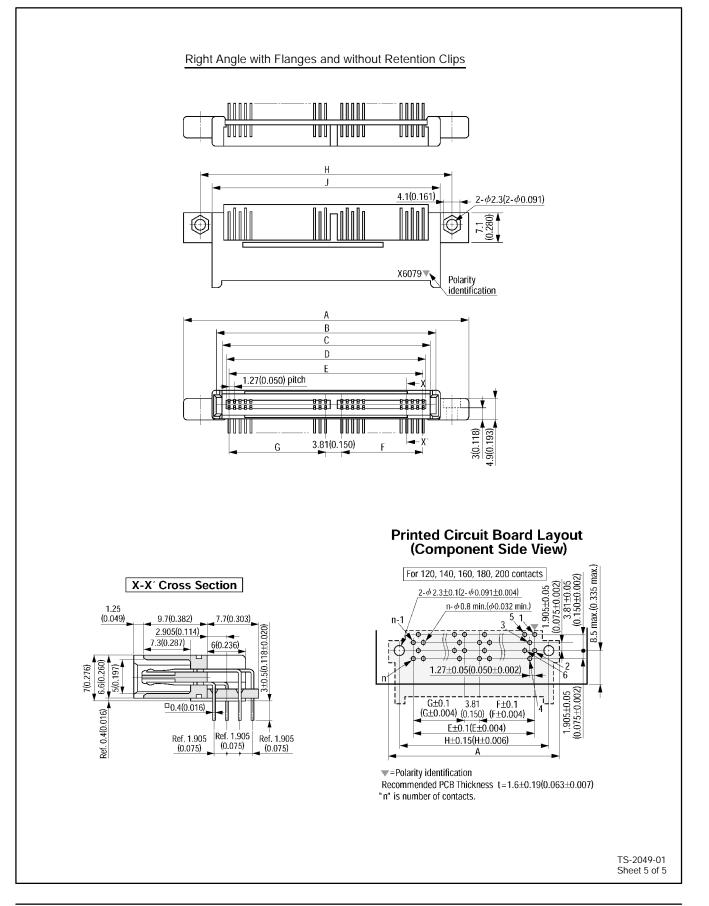
Contact Quantity	А	В	С	D	Е	F	G	Н	J
120	99.20	84.50	81.87	79.17	77.47	24.13	49.53	91.44	86.50
	[3.906]	[3.327]	[3.223]	[3.117]	[3.050]	[0.950]	[1.950]	[3.600]	[3.406]
140	111.90	97.20	94.57	91.87	90.17	24.13	62.23	104.14	99.20
	[4.406]	[3.827]	[3.723]	[3.617]	[3.550]	[0.950]	[2.450]	[4.100]	[3.906]
160	124.60	109.90	107.27	104.57	102.87	36.83	62.23	116.84	111.90
	[4.906]	[4.327]	[4.223]	[4.117]	[4.050]	[1.450]	[2.450]	[4.600]	[4.406]
180	137.30	122.60	119.97	117.27	115.57	49.53	62.23	129.54	124.60
	[5.406]	[4.827]	[4.723]	[4.617]	[4.550]	[1.950]	[2.450]	[5.100]	[4.906]
200	150.00	135.30	132.67	129.97	128.27	62.23	62.23	142.24	137.30
	[5.906]	[5.327]	[5.223]	[5.117]	[5.050]	[2.450]	[2.450]	[5.600]	[5.406]

Note:

These connectors do not have a symmetrical board layout pattern. The 120 pin connectors have 80 pins on one side and 40 pins on the other. All other pin counts have 100 pins on one side and the balance on the other side.



P50 Series



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