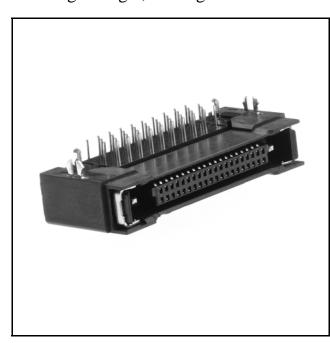
3M[™] Pak 10 Boardmount Plug

1 mm Right Angle, Through-Hole

PK10M Series



- 1 mm pitch connector system
- Four mating heights available
- Available power contacts rated at 5A
- Available frame ground connection through surfacemount retention clips
- Keyed design helps prevent mating misalignment
- RoHS compliant* version (DA plating suffix) available

Date Modified: January 9, 2007

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Physical

Insulation

Material: Glass Filled LCP Flammability: UL 94V-0

Color: Black

Materials

Signal Contact: Copper Alloy Power Contact: Copper Alloy Retention Clips: Copper Alloy

Contact Plating

Underplating: $120 \,\mu^{\text{"}} \, [\ 3.0 \,\mu\text{m}\]$ Nickel Wiping Area: $4 \,\mu^{\text{"}} \, [\ 0.10 \,\mu\text{m}\]$ min. Gold

Solder Tails: Tin Alloy or Gold Flash (RoHS compliant) Retention Clip Plating: Tin Copper over 120μ " [3.0μ m] Nickel

Marking: Polarity Identification Triangle, Lot Number, Standoff Indicator Code

Electrical

Current Rating: 0.5 A per Signal Contact, 5 A Power Contact

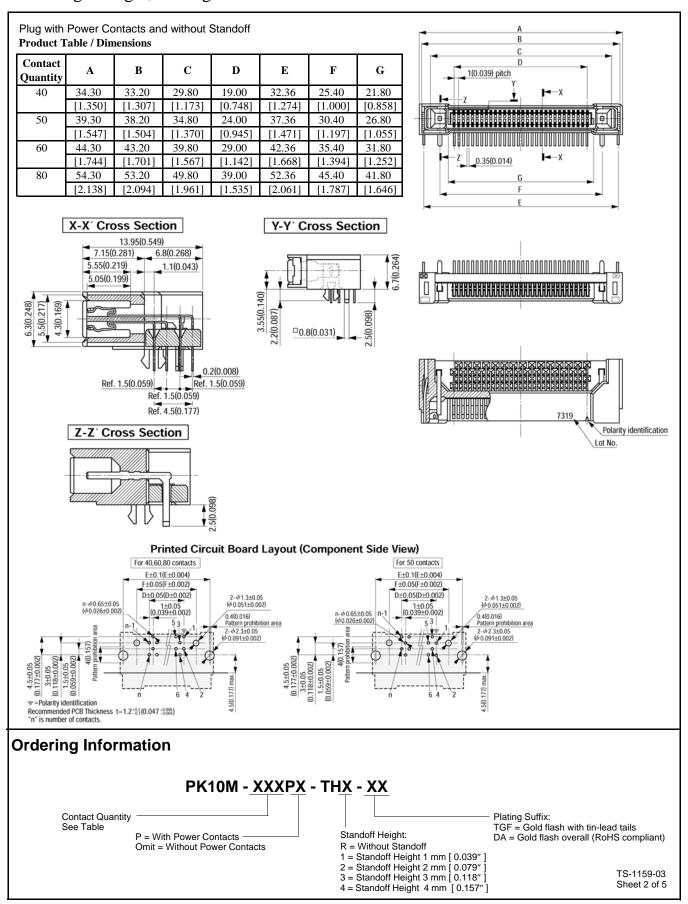
Insulation Resistance: $1 \times 10^3 \text{ M}\Omega \text{ min at } 250 \text{ V}_{DC}$ Withstanding Voltage: 300 V_{AC} for 1 minute

Environmental

Temperature Rating: -55°C to +85°C **Process Rating:** Maximum 260°C

"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

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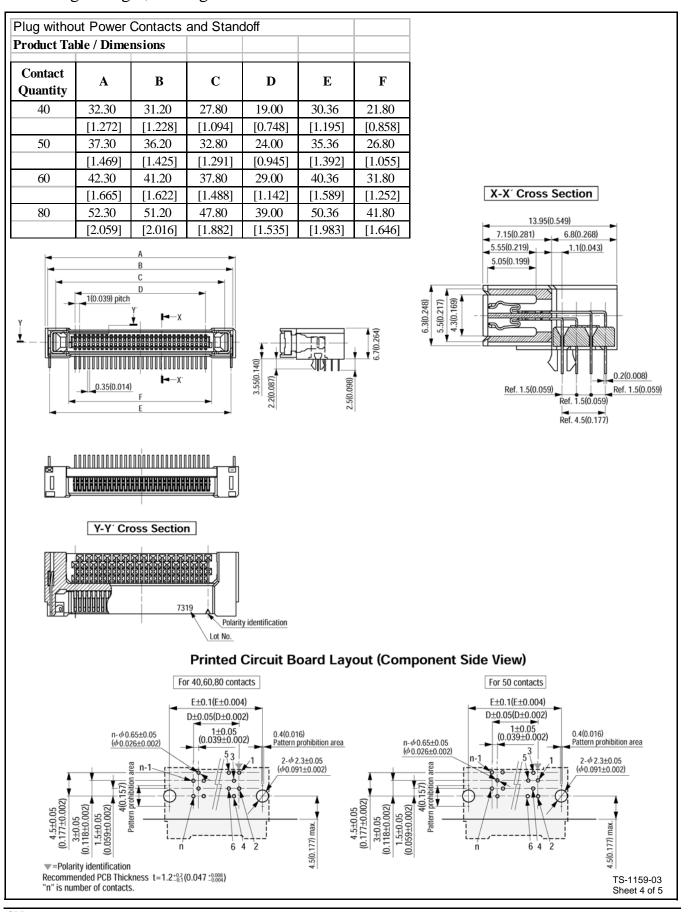


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Plug with Power Contacts with Standoff Product Table / Dimensions									Standoff Height Table			
Contact Quantity	A A	B	C	D	E	F	G		Standoff Code	Connector Height	Н	J
40	34.30	33.20	29.80	19.00	32.36	25.40	21.00	1	1	7.70	1.00	4.55
	[1.350]	[1.307]	[1.173]	[0.748]	[1.274]	[1.000]	[0.827]			[0.303]	[0.039]	[0.179]
50	39.30	38.20	34.80	24.00	37.36	30.40	26.00		2	8.70	2.00	5.55
60	[1.547] 44.30	[1.504] 43.20	[1.370] 39.80	[0.945]	[1.471] 42.36	[1.197] 35.40	[1.024]	-		[0.343]	[0.079]	[0.219]
00	[1.744]	[1.701]	[1.567]	[1.142]	[1.668]	[1.394]	[1.220]		3	9.70	3.00	6.55
80	54.30	53.20	49.80	39.00	52.36	45.40	41.00			[0.382]	[0.118]	[0.258]
	[2.138]	[2.094]	[1.961]	[1.535]	[2.061]	[1.787]	[1.614]]	4	10.70	4.00	7.55
[0.421] [0.157] [0.297]												
X-X' Cross Section 3.95(0.549)												
Indication for standoff_												
Printed Circuit Board Layout (Component Side View)												
For 40,60,80 contacts E±0.1(E±0.004) F±0.05(F±0.002) D±0.05(D±0.002) D												
												TS-1159-03 Sheet 3 of 5

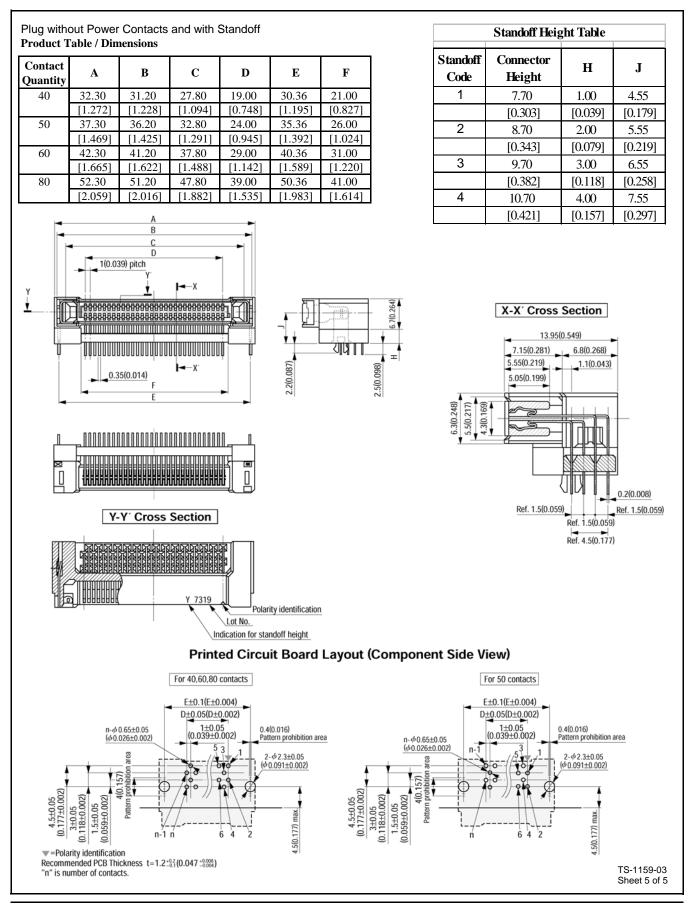
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