PD1 SERIES CONNECTORS

0.6mm (.024") Contact Spacing, PCB-to-PCB SMT Connectors

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The PD1 Series connectors are 0.6mm (.024") SMT board-to-board connectors. Typically used as docking connectors in Notebook PCs and Personal Digital Assistants (PDA).

GENERAL SPECIFICATIONS

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Number of Contacts	200 position: 8 power contacts (4 each side), 192 signal contacts 220 position: 8 power contacts (4 each side), 212 signal contacts
Contact Spacing	0.6mm (.024")
Current Rating	0.5 Amps
Dielectric Withstanding Voltage	250 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	70 milliohms max.
Durability	5,000 cycles
Operating Temperature	-40°C to +85°C

FEATURES

• 200 single row and 220 single row sizes available

• First-make/last-break signal contacts

• Guideposts for easy blind mating
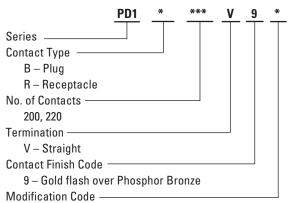
MATERIALS AND FINISHES

Description	Materials/Finishes
Insulator	Glass-filled LCP (UL94V-0)
Contact	Copper Alloy Connecting area: Gold flash over Phosphor Bronze Terminal area: Tin/Lead Plating
Shell	Stainless Steel
Metal Guide*	Zinc Alloy/Nickel plated

*Note: Metal Guide is optional (Must be ordered separately.)
P/N PD1-GS3   For 200 pin Receptacle
P/N PD1-GS4   For 200 pin Plug
P/N PD1-GS5   For 220 pin Receptacle
P/N PD1-GS6   For 220 pin Plug

Connector Profile (Ref.)

200 Position
Plastic Guide Posts
12 (.472)
9.5 (.374)

200 Position
Metal Guide Posts
12 (.472)
3.4 (.134)
12.5 (.492)
3.8 (.150)

220 Position
Metal Guide Posts
11 (.433)
3.4 (.134)
15 (.591)
3.8 (.150)

ORDERING INFORMATION

PD1   *   ***   V   9   *

Series
Contact Type
    B – Plug
    R – Receptacle
No. of Contacts
    200, 220
Termination
    V – Straight
Contact Finish Code
    9 – Gold flash over Phosphor Bronze
Modification Code
    A – Plastic Guides, 200 Position
    C – Metal Guides, 200 Position

Dimensions and specifications subject to change without notice.