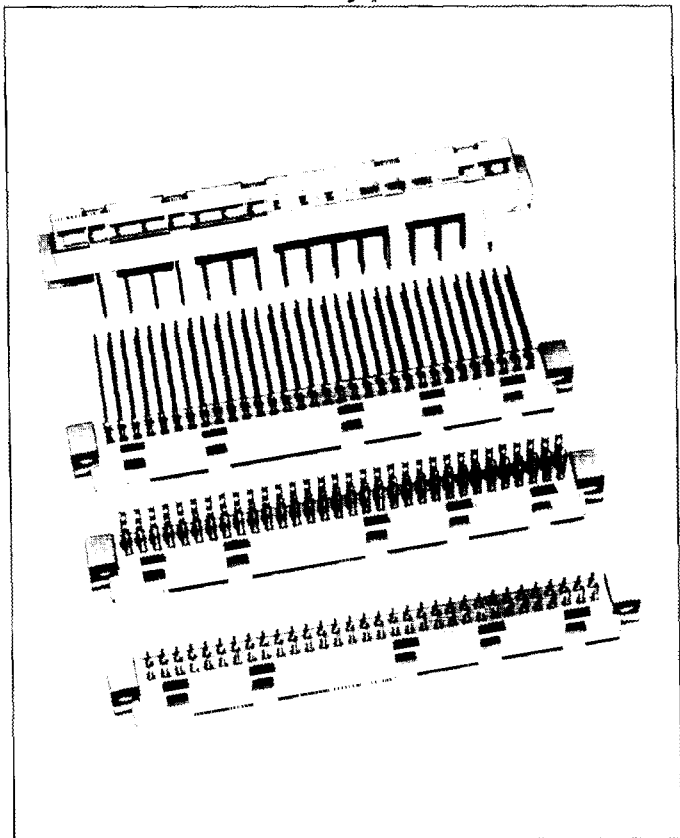


D12 HI-CON™ Eurocard DIN Connectors

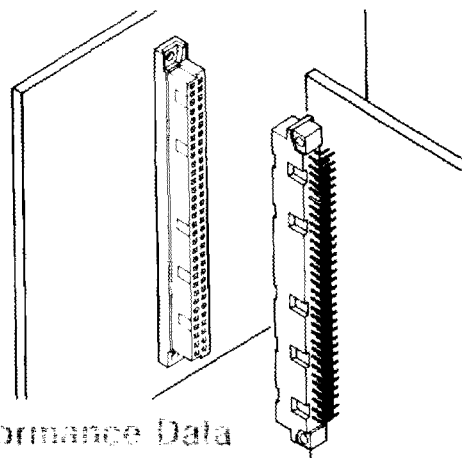
Standard DIN Type B and Half B Series 100 Male



The two-row B and Half B male connectors are offered in 16, 32 and 64 pin configurations with a wide variety of termination styles. With 32 pins per row, the type B connector is full-size as defined by DIN 41612 and EC603-2 standards. It is ideally suited for a wide range of board-to-board connector applications, including computer and industrial equipment. Type Half B utilizes the same high quality contacts and insulator material as type B. Type Half B is designed for today's smaller packaging requirements.

D

Consult factory for first make, last break pin configurations.



Performance Data

MATERIALS

Insulator Material: Glass-Filled Polyester
Color Gray
U.L. Flammability 94V-0

Contact Material: Brass

Contact Plating: Selective Minimum Gold Over Nickel
30μ" (.762μm) Gold = Performance Level 1
15μ" (.381μm) Gold = Performance Level 2
8μ" (.20μm) Gold = Performance Level 3

MECHANICAL

Insertion Force (Maximum/Contact): 3.35 oz. (1.5N)

Vibration: 10 to 2000 Hz. 1.5mm Amplitude*

ELECTRICAL

Withstanding Voltage: 1000 VRMS

Current Rating: 3 Amps Maximum per U.L.*

Contact Resistance: <20 Milliohms

Insulation Resistance: 10¹² Ohms

Creepage: 1.8mm Contact/Chassis
1.2mm Contact/Contact

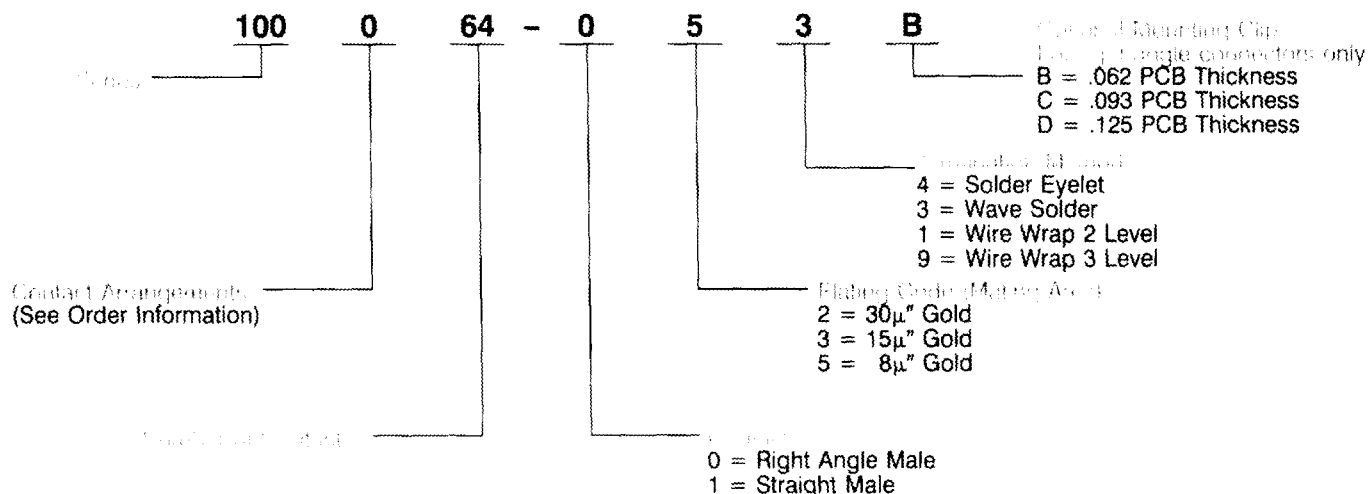
Clearance: 1.6mm Contact/Chassis
1.2mm Contact/Contact

TEMPERATURE

Range: -67°F to +257°F (-55°C to +125°C)*

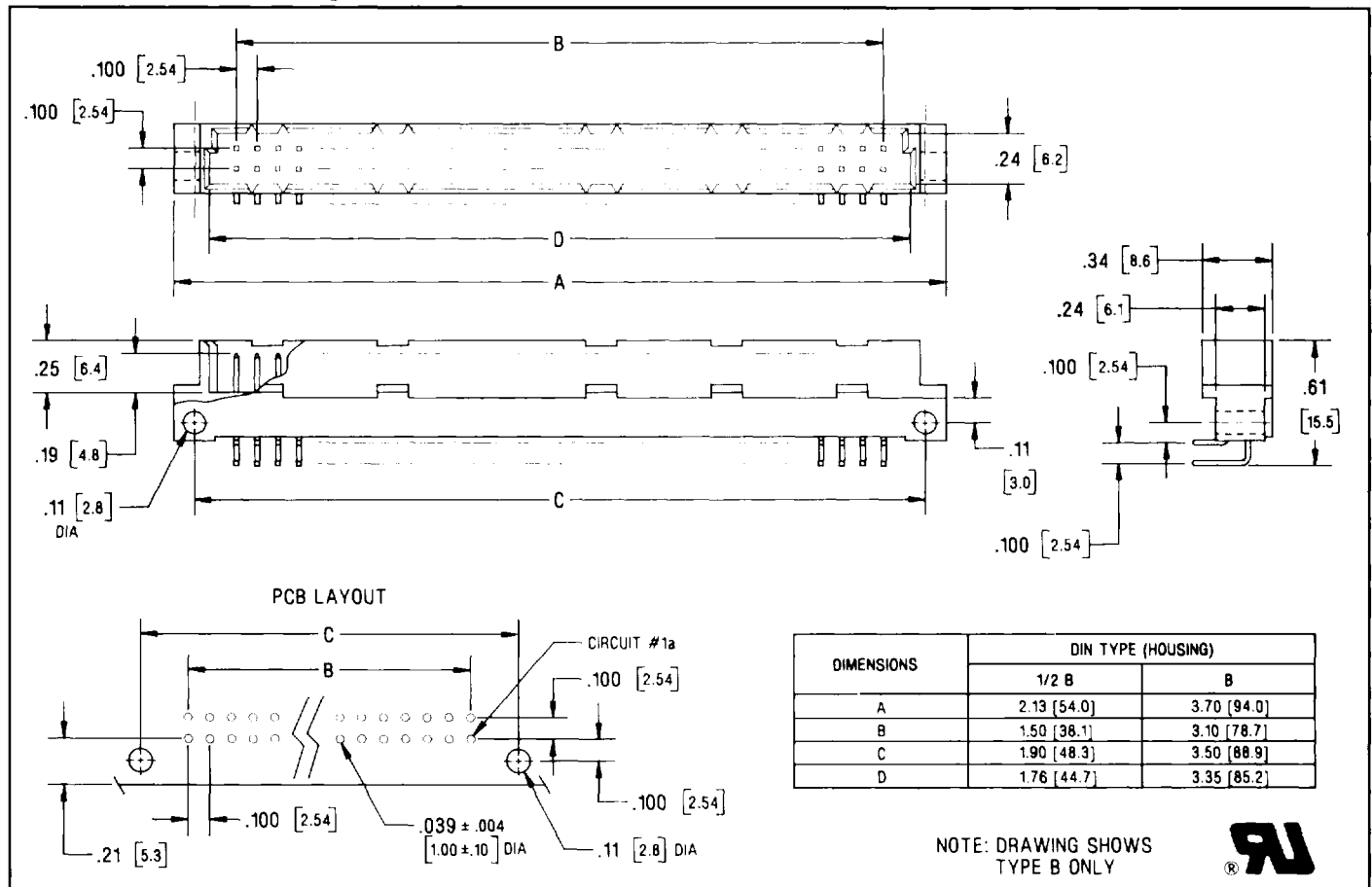
*For detail information see pages D6-D8

Part Number System



HI-CON™ Eurocard DIN Connectors D13

Standard DIN Type B and Half B Series 100 Male Dimension Drawing



Ordering Information

Contact Arrangement				Wave Solder		Wire Wrapping		Solder Eyelet	Contact Plating (μ" Gold)
				Angled	Straight*	Angled	Straight*	Straight*	
Number of Contacts	Rows Equipped	Positions Equipped		.114" (2.9) Diagram	.157" (4.0) Diagram	.512" (13) Diagram	.512" (13) Diagram	.307" (7.8) Diagram	
TYPE HALF B	16	a	ALL	100-116-023 100-116-033 100-116-053	100-116-123 100-116-133 100-116-153	100-116-021 100-116-031 100-116-051	100-116-121 100-116-131 100-116-151	100-116-124 100-116-134 100-116-154	30 15 8
			EVEN	100-616-023 100-616-033 100-616-053	100-616-123 100-616-133 100-616-153	100-616-021 100-616-031 100-616-051	100-616-121 100-616-131 100-616-151	100-616-124 100-616-134 100-616-154	30 15 8
			ALL	100-632-023 100-632-033 100-632-053	100-632-123 100-632-133 100-632-153	100-632-021 100-632-031 100-632-051	100-632-121 100-632-131 100-632-151	100-632-124 100-632-134 100-632-154	30 15 8
	32	a	ALL	100-232-023 100-232-033 100-232-053	100-232-123 100-232-133 100-232-153	100-232-021 100-232-031 100-232-051	100-232-121 100-232-131 100-232-151	100-232-124 100-232-134 100-232-154	30 15 8
			EVEN	100-532-023 100-532-033 100-532-053	100-532-123 100-532-133 100-532-153	100-532-021 100-532-031 100-532-051	100-532-121 100-532-131 100-532-151	100-532-124 100-532-134 100-532-154	30 15 8
			ALL	100-064-023 100-064-033 100-064-053	100-064-123 100-064-133 100-064-153	100-064-021 100-064-031 100-064-051	100-064-121 100-064-131 100-064-151	100-064-124 100-064-134 100-064-154	30 15 8

- *Series 100 straight pin males are identical to DIN 41612 connectors but do not conform to mounting dimensions.
- Emphasized part numbers represent the most popular in this series.