NORCOMP

Passion for Excellence

Selecting the Right D-Subminiature Connector for your Application!

Market Areas

- Communications
- Instrumentation
- Medical
- Computer / Peripherals
- Commercial Industry
- Test Labs
- Gaming Industry

D-Subminiature Categories

- **Cable Mount**

- **Board Mount**

Cable Mount D-Subminiature Connectors

Cable Mount Connectors are:

• Sold in Standard and High Density styles.

• Shielded for EMI/RFI (Electromagnetic & Radio Frequency Interference).

• Available in "Stamped/Formed" low cost contacts.

• Available in "Machined" high quality contacts in all styles except IDC.

• Available in two different shell plating's:

  • Tin for ease of soldering.

  • Nickel for more corrosive environments.

• Available with various hardware options.

• Available in standard 230 degree material since not exposed to higher

soldering temperatures – allowing for lower cost material to be utilized.

Cable Mount Termination Types

Crimp & Load   Solder Cup   IDC

Crimp & Load - Cable Mount Connectors

- Connectors are not supplied with Contacts

- Contacts must be purchased separately and are sold on reels of 10,000 pcs. (stamped/formed) or loose in bags of 500 pcs. (machined).

- Loose piece contacts can be terminated with a hand tool purchased separately.

Contacts for Crimp & Load Connectors

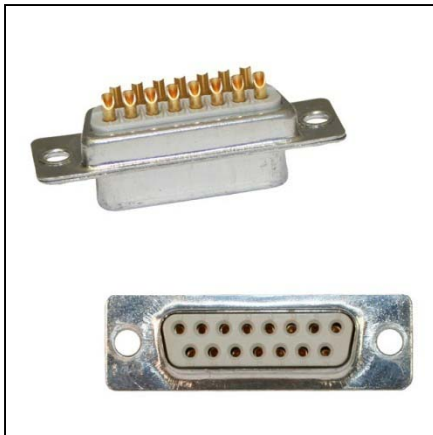Available in stamped/formed and machined

Stamped/Formed:

• Produced out of a flat piece of metal that is stamped and formed into the contact and can be plated with different materials at different thickness

• Compatible with most industry standard termination presses.

• Loose piece contacts can be terminated with a hand tool purchased separately.

Machined:

• Solid piece of metal that is precision cut and barrel plated.

• Higher reliability/quality contact.

• Different plating thickness available.

• Loose piece contacts can be terminated with a hand tool purchased separately.

Solder Cup- Cable Mount Connectors

- Contacts are pre-loaded into the connector.

- Contacts can be stamped/formed or machined.

- Does not require the purchase of any special termination equipment.

- Can be labor intensive as wires have to be stripped and soldered by hand to the contacts.

"C" Filtered Solder Cup- Connectors

- Capable of filtering each signal.

- Available with machined contacts only.

- Contacts are pre-loaded.

- Does not require the purchase of any special termination equipment.

- Can be labor intensive as wires have to be stripped and soldered by hand to the contacts.

IDC (Insulation Displacement Contacts) - Connectors

- For use with "Flat Ribbon" cable.

- Contacts are pre-loaded into connector.

- Contacts are stamped/formed.

- Mass termination with standard "Flat Rock" tooling keeps labor cost down.

- Supplied with Strain Relief

Board Mount D-Subminiature Connectors

Board Mount Connectors are:

• Sold in Standard and High Density styles.

• Available with stamped/formed and machined contacts.

• Available with special contact plating's with minimum order quantities.

• Shielded for EMI/RFI (Electromagnetic & Radio Frequency Interference).

•Available in various styles – Vertical, Right Angle, SMT…

•Available with Nickel Plated Shells

•Standard High Temperature Material allows for wave solder process, reflow

process, and hand soldering for lower volume applications

•Available with various standard hardware options

Board Mount Termination Types

Vertical Through Hole

Right Angle Through Hole

Straddle Mount

Right Angle Surface Mount

Vertical Through Hole - Board Mount Connectors

- Available with Stamped/Formed & Machined Contacts

- Available in both High & Low Profile

- Supplied with contacts pre-loaded into connector.

- Various standard hardware options available

- Special contact lengths and plating options available with minimum order quantities

- Special hardware designs available with minimum order quantities

Wire Wrap – Vertical Board Mount Connectors

- Standard Density Only.

- Available with Machined Contacts.

- Technician can wrap individual conductors from the longer contact tails to other devices that can provide programming to other electrical components.

- Supplied with contacts pre-loaded into connector.

- Various standard hardware options available.

- Special hardware designs available with minimum order quantities.

Right Angle (90°) Through Hole - Board Mount Connectors

- Available in Standard & High Density versions.

- Available with Stamped/Formed & Machined Contacts.

- Supplied with contacts pre-loaded into connector.

- Various standard hardware options available.

- Special hardware designs available with minimum order quantities.

Right Angle (90°) Surface Mount - Board Mount Connectors

- Available in Standard & High Density versions.

- Available with Stamped/Formed Contacts.

- Supplied with contacts pre-loaded into connector.

- Board Locks supplied as standard hardware option.

- Special hardware designs available with minimum order quantities.
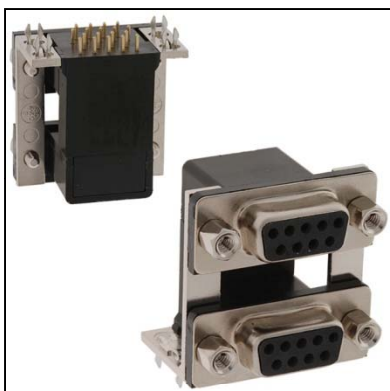
Straddle Mount - Board Mount Connectors

- Available in Standard D-Sub Sizes.

- Available with Stamped/Formed & Machined Contacts.

- Supplied with contacts pre-loaded into connector.

- Utilizes solder cup contact design which fits standard .063" thick PC Boards

High Profile (Vertical Through Hole)- Board Mount Connectors

- Available in Standard D-Sub Sizes.

- Available with Machined Contacts.

- Higher Profile allows for placement of other components on PC board.

- Various standard hardware options available.

- Special hardware designs available with minimum order quantities.

Dual Ports (Dual Stack)- Board Mount Connectors

- Dual Stack design saves space (real estate) on PC boards.

- Available in Standard & High Density versions.

- Available in mixed configurations with minimum order quantities.

- Available in Stamped/Formed contacts.

- 3 Standard Height configurations available.

- Various standard hardware options available.

- Special hardware designs available with minimum order quantities.

"C" Filtered Vertical & Right Angle - Board Mount Connectors

- Available with Machined contacts only.

- Capable of filtering each signal.

- Supplied with contacts pre-loaded into connector.

- Various standard hardware options available.

- Special contact lengths and plating available with minimum order quantities.

- Special hardware designs available with minimum order quantities.

NorComp
Quick Reference Guide to D-Sub Connectors

* = Dual Port
New

Series	Application		Type		Cable Mount			PCB Mount				Hardware			Standard	High Density
	Cable Mount	PCB Mount	Machined	Stamped & Formed	Solder Cup	Crimp & Poke	IDC	Vertical	Right Angle	SMT	Press Fit	4-40 clinch nuts	Board-Locks	Other hardware types avail.	Connector Size	Connector Size
170	x		x	x		x						x			9,15,25,37,50	
171	x			x	x			x				x	x		9,15,25,37,50	
172-E	x	x	x		x			x				x	x		9,15,25,37,50	
173-E		x	x						x					x	9,15,25,37,50	
174-E		x	x						x					x	9,15,25,37,50	
* 178		x		x					x				x	x	9,15,25,37	
* 179		x		x					x				x	x	9,15,25,37	
180	x			x	x	x		x				x				15,26,44,62,78
180-M	x	x	x		x			x				x	x			15,26,44,62
181		x		x					x				x	x		15,26,44,62,78
181-M		x	x						x			x	x			15,26,44,62
182		x		x					x				x	x	9,15,25,37	
183		x		x					x				x	x	9,15,25,37	
184	x						x					x			9,15,25,37	
* 189		x		x					x				x	x	9,15,25,37	
190		x		x					x	x			x		9,25	
191		x		x				x			x	x	x	x	9,15,25,37	
192		x		x					x				x	x	9,15,25,37	
193		x		x					x				x	x		15
194		x		x					x				x	x		15,26,44,62
195		x		x				x				x	x	x		15,26,44,62,78
196		x	x					x				x	x	x		15,26
197		x	x					x				x	x	x		15,26,44,62,78
198		x		x				x				x	x	x		15,26
200		x		x					x	x			x			15