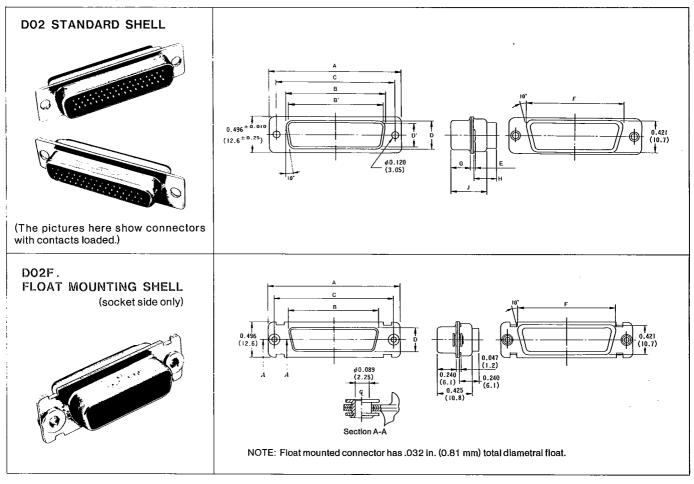
DOUBLE DENSITY TYPE · DO2 SERIES

DO2 SERIES



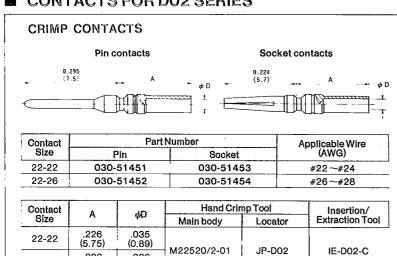
No. of Contacts	Part Number		A ±.020 (±0.5)	B ±.010 (±0.25)	B' ±,010 (±0,25)	C ±.005 (±0.13)	D 生010 (±0.25)	D' ±.010 (±0.25)	E ±.020 (±0.5)	F ±,016 (±0.4)	G ±.016 (±0.4)	H ±.020 (±0.5)	り ±.031 (±0.8)
29	Pin side	D02-29P-F0	1.539 (39.1)	_	.994 (25.24)	1.312 (33.32)	_	.328 (8.34)	.047 (1.2)	1.083 (27.5)	.236 (6.0)	.299 (7.6)	.421 (10.7)
29	Socket side	D02-29S-F0	1.539 (39.1)	.968 24.59	_	1.312 (33.32)	.308 (7.82)	-	.047 (1.2)	1.083 (27.5)	.240 (6.1)	.240 (6.1)	.425 (10.8)
50	Pin side	D02-50P-F0	2.087 (53.0)	_	1.536 (39.01)	1.852 (47.04)	_	.331 (8.40)	.059 (1.5)	1.626 (41.3)	.236 (6.0)	.299 (7.6)	.421 (10.7)
	Socket side	D02-50S-F0	2.087 (53.0)	1.508 38.30	_	1.852 (47.04)	.308 (7.82)	_]	.047 (1.2)	1.626 (41.3)	.240 (6.1)	.240 (6.1)	.425 (10.8)
													-

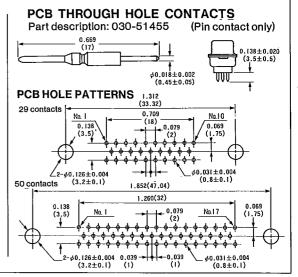
CONTACTS FOR DO2 SERIES

.026

(0.66)

(Note) For float mounting shell (socket side only), add letter "F" after series prefix D02. Example...D02F-29S-FO





22-26

DOUBLE DENSITY

D02 SERIES CONNECTORS

The DO2 series are high density connectors containing approximately twice as many contacts as D Sub connectors in the same shell size. The connectors are compact, light, and reliable. Both crimp contacts and printed circuit board through-hole contacts are available.

FEATURES

Crimp contacts for easy wire connections

Easy to use crimping tools significantly improve work efficiency. Contacts are inserted into the rear of the connector after wire termination.

• Removable contacts

The contacts can be removed easily using a simple tool in case of circuit changes or incorrect wiring.

Common accessories for D Sub series

The connector body (shell) is the same as that of the other D Sub connectors, and therefore all standard accessories, such as a junction shells can be used.

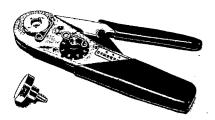
• Printed Circuit Board Mounting

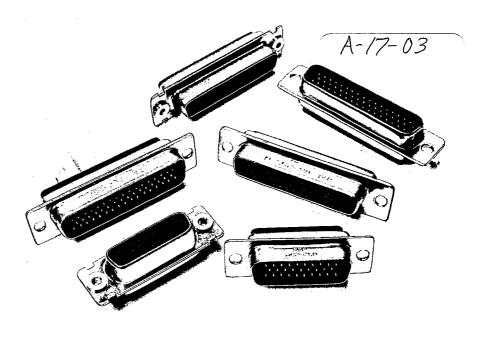
Through hole right angle contacts and straight (pin only) contacts for direct mounting (soldering) on a printed circuit board are also available. Connectors and contacts are ordered separately.

Crimping tools

The manual tool is compact and easy to operate. Uniform, consistent results.

* Refer to pages 64 to 67 for details on tool handling.





HOW TO ORDER

D02 -29P-F0 D02F-29S-F0

- FO: Connector less contacts (not stamped on connector)
- Contact type: P...Pin, S...Socket
- Contact arrangements: 29 and 50
- Mounting style: No designator . . Standard F . . Float mount (Rear mount)
- Series prefix

NOTE: Connectors and contacts must be ordered separately.

STANDARD DATA

Materials/Finishes

	Material	Finish
Contacts	Copper alloy	Gold over nickel
Insulator	Synthetic resin	UL94V-0, black
Shell	Steel	Yellow chromate over zinc plate

Specifications

No. of Contacts	29 and 50
Current Rating	3 amp max.
Voltage Rating	300 V AC r.m.s. max.
Dielectric Rating	900 V AC r.m.s (Initial)
Insulation Resistance	5,000 megohms min. (at 500 V DC)
Contact Resistance	10 milliohms max. (Initial)
Operating Tem- perature Range	-67°F~+185°F (-55°C~+85°C)

Applicable wire

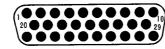
AWG#22 to #28 stranded or solid

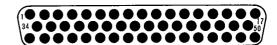
CONTACT ARRANGEMENTS

Face view, Bin insert

29 contacts

50 contacts

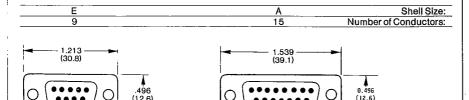


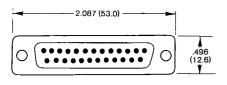


FEATURES

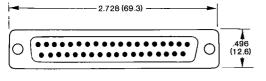
Five different shell sizes and numbers of conductors

The connector housing is compact and rectangular. The contacts and insulators are contained in a rugged steel shell. There are five shell sizes (E, A, B, C, and D), respectively with standard contact counts of 9, 15, 25, 37, and 50. Special layouts to accept coaxial, high-voltage, and high-current contacts are also available.

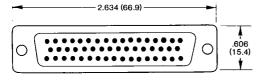




В	Shell Size:
25	Number of Conductors:



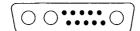
Shell Size: 37 Number of Conductors:



Shell Size: 50 Number of Conductors:

Special Layouts (D*M Type)

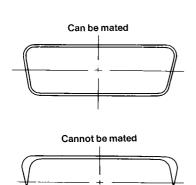






• Fail-Safe Polarizing Mechanism

The shell connecting part is keystone trapezoidal which inherently prevents incorrect coupling.



Official Standards

D Sub connectors conform to many international standards Including:

Japan Industrial Standards

JIS-C-6361 JIS-C-6366

JIS-C-6367

Japan Defense Agency Standards

NDSXC 6116

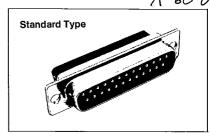
DSP C 6242

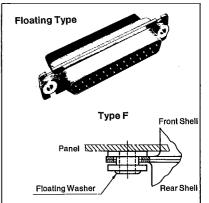
US Military Standards

MIL-C-24308

Shell Type

The shell profile comes in a panelmounting standard type and floating type (the latter aids in rack-to-panel connection).

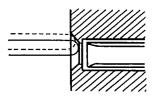




The floating washer moves .030 in. (0.4 mm) in any direction relative to the center (\P).

Close Entry Construction

Socket insulators have a closed entry construction which prevents entry of oversized contacts or probes.



Compatibility

Individual connector types are interchangeable as are the accessories.