





C-filters

Solder buckets		47 pF	470 pF	1000 pF	3900 pF
Clinch nut 	9	09 64 1x1 721y	09 64 1x1 722y	09 64 1x1 723y	09 64 1x1 724y
	15	09 64 2x1 721y	09 64 2x1 722y	09 64 2x1 723y	09 64 2x1 724y
	25	09 64 3x1 721y	09 64 3x1 722y	09 64 3x1 723y	09 64 3x1 724y
	37	09 64 4x1 721y	09 64 4x1 722y	09 64 4x1 723y	09 64 4x1 724y


y: 4-40 UNC = 7 or M3 = 8

Turned solder pins right angled		47 pF	470 pF	1000 pF	3900 pF
Through hole 	9	09 64 1x4 7210	09 64 1x4 7220	09 64 1x4 7230	09 64 1x4 7240
	15	09 64 2x4 7210	09 64 2x4 7220	09 64 2x4 7230	09 64 2x4 7240
	25	09 64 3x4 7210	09 64 3x4 7220	09 64 3x4 7230	09 64 3x4 7240
	37	09 64 4x4 7210	09 64 4x4 7220	09 64 4x4 7230	09 64 4x4 7240


Turned solder pins right angled		47 pF	470 pF	1000 pF	3900 pF
Bracket, board lock and through hole 	9	09 64 1x4 7211	09 64 1x4 7221	09 64 1x4 7231	09 64 1x4 7241
	15	09 64 2x4 7211	09 64 2x4 7221	09 64 2x4 7231	09 64 2x4 7241
	25	09 64 3x4 7211	09 64 3x4 7221	09 64 3x4 7231	09 64 3x4 7241
	37	09 64 4x4 7211	09 64 4x4 7221	09 64 4x4 7231	09 64 4x4 7241

Turned solder pins right angled		47 pF	470 pF	1000 pF	3900 pF
Bracket, board lock and clinch nut 	9	09 64 1x4 721y	09 64 1x4 722y	09 64 1x4 723y	09 64 1x4 724y
	15	09 64 2x4 721y	09 64 2x4 722y	09 64 2x4 723y	09 64 2x4 724y
	25	09 64 3x4 721y	09 64 3x4 722y	09 64 3x4 723y	09 64 3x4 724y
	37	09 64 4x4 721y	09 64 4x4 722y	09 64 4x4 723y	09 64 4x4 724y


y: 4-40 UNC = 2 or M3 = 3

Turned solder pins right angled		47 pF	470 pF	1000 pF	3900 pF
Bracket, board lock and female screw 	9	09 64 1x4 721y	09 64 1x4 722y	09 64 1x4 723y	09 64 1x4 724y
	15	09 64 2x4 721y	09 64 2x4 722y	09 64 2x4 723y	09 64 2x4 724y
	25	09 64 3x4 721y	09 64 3x4 722y	09 64 3x4 723y	09 64 3x4 724y
	37	09 64 4x4 721y	09 64 4x4 722y	09 64 4x4 723y	09 64 4x4 724y

y: 4-40 UNC = 4 or M3 = 5

Turned solder pins right angled		47 pF	470 pF	1000 pF	3900 pF
Bracket and clinch nut 	9	09 64 1x4 721y	09 64 1x4 722y	09 64 1x4 723y	09 64 1x4 724y
	15	09 64 2x4 721y	09 64 2x4 722y	09 64 2x4 723y	09 64 2x4 724y
	25	09 64 3x4 721y	09 64 3x4 722y	09 64 3x4 723y	09 64 3x4 724y
	37	09 64 4x4 721y	09 64 4x4 722y	09 64 4x4 723y	09 64 4x4 724y

y: 4-40 UNC = 6 or M3 = 7

Turned solder pins right angled		47 pF	470 pF	1000 pF	3900 pF
Bracket and female screw 	9	09 64 1x4 721y	09 64 1x4 722y	09 64 1x4 723y	09 64 1x4 724y
	15	09 64 2x4 721y	09 64 2x4 722y	09 64 2x4 723y	09 64 2x4 724y
	25	09 64 3x4 721y	09 64 3x4 722y	09 64 3x4 723y	09 64 3x4 724y
	37	09 64 4x4 721y	09 64 4x4 722y	09 64 4x4 723y	09 64 4x4 724y

y: 4-40 UNC = 8 or M3 = 9

x: Female = 1 or Male = 2

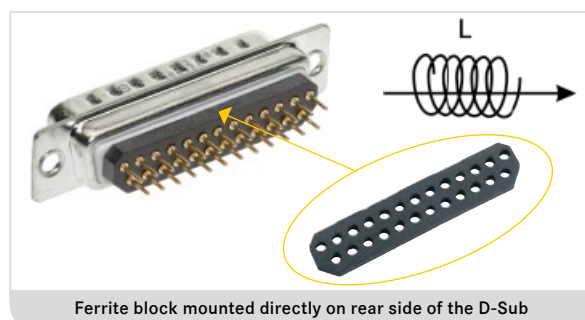
For samples, please contact your local HARTING sales representative.
 Find drawings and technical characteristics at www.HARKIS.HARTING.com

HARTINGs broad Filter range

Ferrite-filter

Ferrite-filter D-Subs providing a low level of filtering thanks to simple blocks of inductive ferrite attached to the back end of the connectors.

Providing a few dB attenuation only at high frequencies **HARTING** ferrite-filter D-Subs represent a cost effective solution in applications where the emission level is close to the limit.

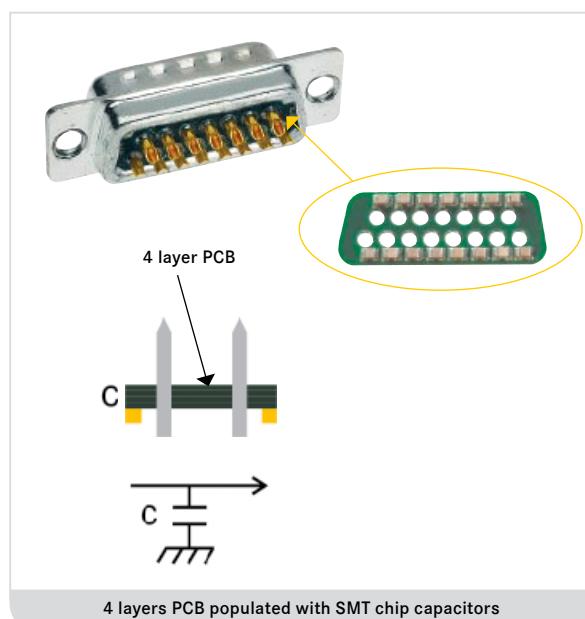


Ferrite block mounted directly on rear side of the D-Sub

C-filter

To address higher EMI disturbances **HARTING** propose a comprehensive range of C-filter D-Sub connectors. **HARTING** C-filter D-Sub integrates a patented 4 layer printed circuit board equipped with chip capacitors. This patented solution provides complete protection of the I/O port due to the filtering performance of the capacitors and the screening effect of the PCB. Further more the 4 layers PCB also limits the ability of interference to enter the equipment through the D-Sub aperture.

Available in 4 standard filter values 47, 470, 1000 and 3900 pF **HARTING** C-filter D-Subs represent for all designers a smart filtering solution allowing replacement of a “defective” port by a filtered one without any change of the PCB design.



4 layers PCB populated with SMT chip capacitors

Filter adapter

To support engineers in the diagnosis of EMI disturbances **HARTING** has developed, in addition to its filter series a range of male/female filter D-Sub adapters.

These back-to-back adapters can be used as testing tools and replaced later on in production directly by a filtered D-Sub connector.



Perfect design-in support with D-Sub filter adapters



Pushing Performance

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