

Filtered D-Sub Connectors

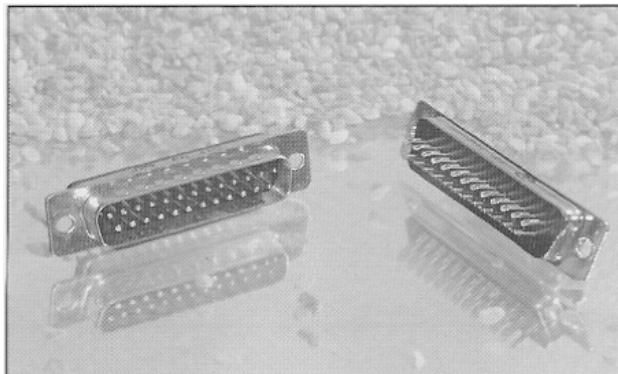


Micronics's introduces its new line of filtered D-Sub Miniature connectors. Filtered connectors are available in pin counts from 9 to 37 pin. Micronics offers the d-sub miniature connectors in "C" and "Pi" configurations. Filtered d-sub miniature connector adapters are also available in several different values.

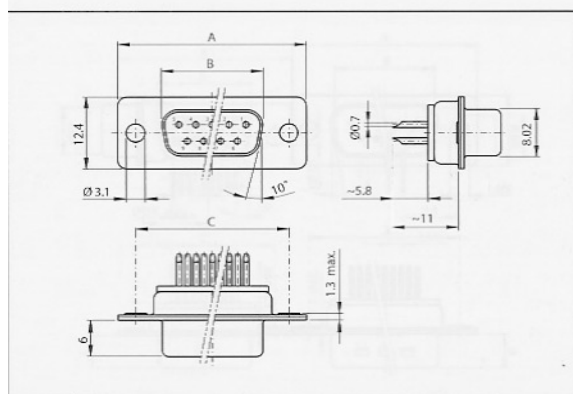
CORRY Micronics

Solder Cup (FP)

Suitable for AWG 20



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SZ x FP yyy
15		D-15 SZ x FP yyy
25		D-25 SZ x FP yyy
37		D-37 SZ x FP yyy

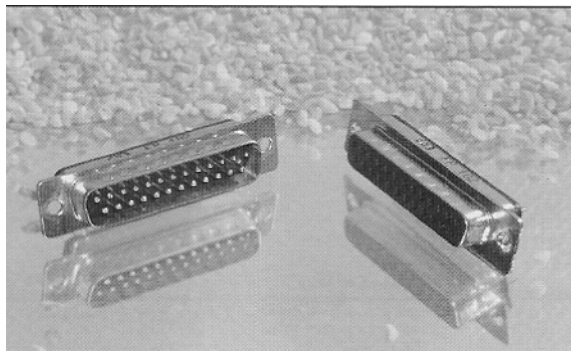
Replace the yyy with the appropriate filter code

Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF	562	5600 pF
471	470 pF	102	1000 pF	222	2200 pF	682	6800 pF

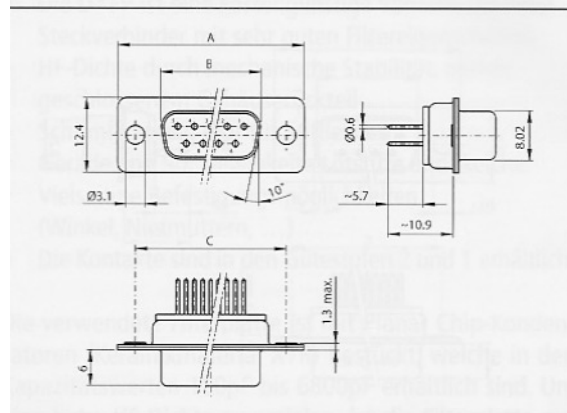
To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

Solder Pin Straight (FP)



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SY x FP yyy
15		D-15 SY x FP yyy
25		D-25 SY x FP yyy
37		D-37 SY x FP yyy

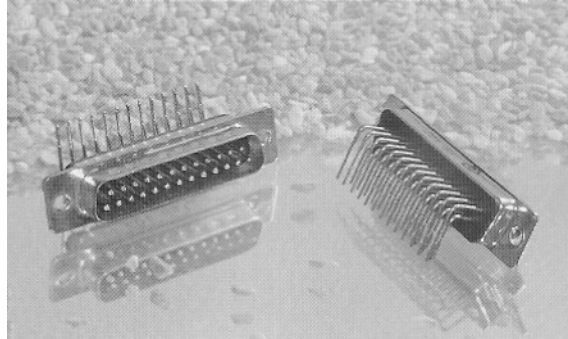
Replace the yyy with the appropriate filter code

Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF	562	5600 pF
471	470 pF	102	1000 pF	222	2200 pF	682	6800 pF

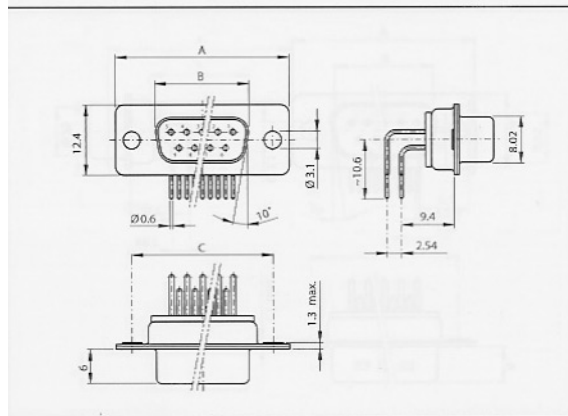
To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

90° Solder Pin, 9.4 mm (FP)



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SYC x FP yyy
15		D-15 SYC x FP yyy
25		D-25 SYC x FP yyy
37		D-37 SYC x FP yyy

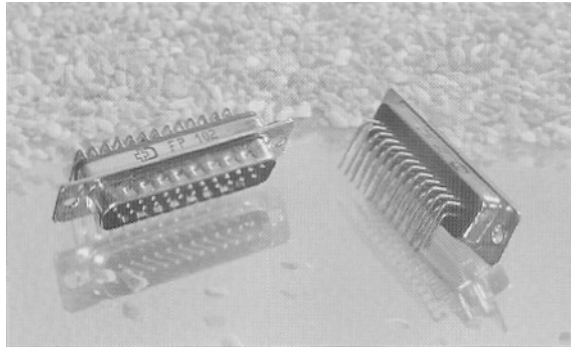
Replace the yyy with the appropriate filter code

Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF	562	5600 pF
471	470 pF	102	1000 pF	222	2200 pF	682	6800 pF

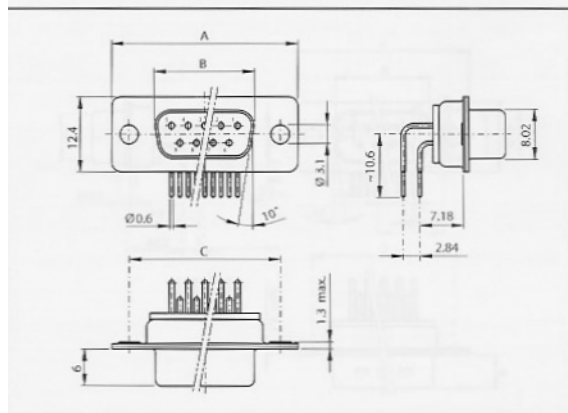
To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

90° Solder Pin, 7.18 mm (FP)



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SYCA x FP yyy
15		D-15 SYCA x FP yyy
25		D-25 SYCA x FP yyy
37		D-37 SYCA x FP yyy

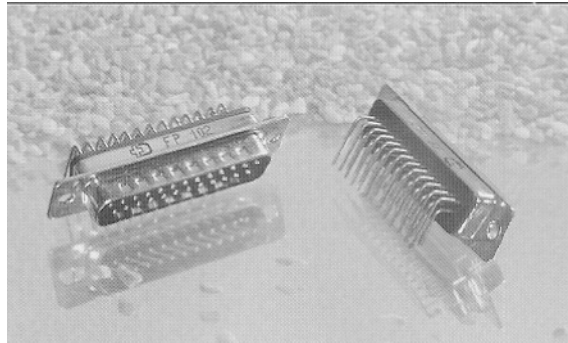
Replace the yyy with the appropriate filter code

Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF	562	5600 pF
471	470 pF	102	1000 pF	222	2200 pF	682	6800 pF

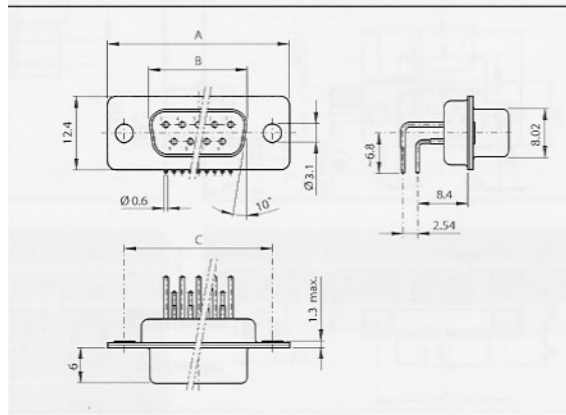
To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

90° Solder Pin, 8.4 mm (FP)



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SYC-E x FP yyy
15		D-15 SYC-E x FP yyy
25		D-25 SYC-E x FP yyy
37		D-37 SYC-E x FP yyy

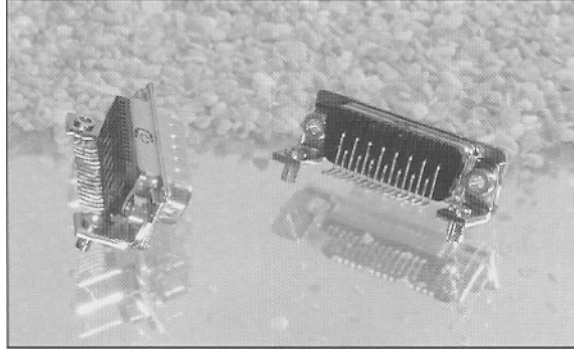
Replace the yyy with the appropriate filter code

Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF	562	5600 pF
471	470 pF	102	1000 pF	222	2200 pF	682	6800 pF

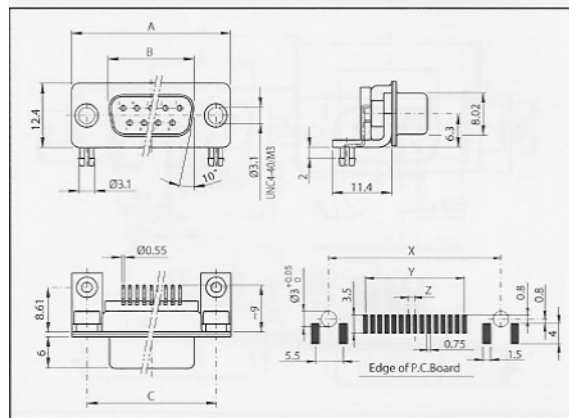
To request gold class 1 or 2 quality, replace the x

CORRY Micronics

90° SMD Connectors (FP)



Socket connector



No. of pos.	A	B	C / X	Y	Z
09	30.80	16.46	25.00	10.98	01.37
15	39.20	24.79	33.30	19.20	01.37
25	53.10	38.50	47.00	33.12	01.38
37	69.50	54.96	63.50	49.68	01.38

No. of pos.	Chromated shell	Tinned shell
09		D-09 SYCSMD x FP yyy
15		D-15 SYCSMD x FP yyy
25		D-25 SYCSMD x FP yyy
37		D-37 SYCSMD x FP yyy

Replace the yyy with the appropriate filter code

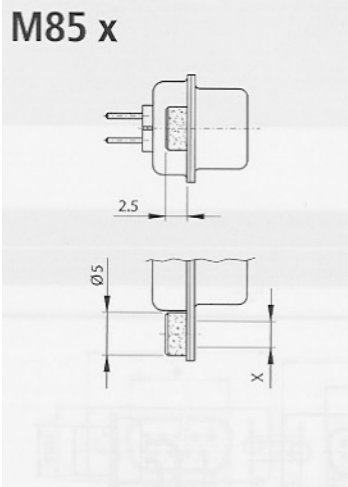
Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF	562	5600 pF
471	470 pF	102	1000 pF	222	2200 pF	682	6800 pF

To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

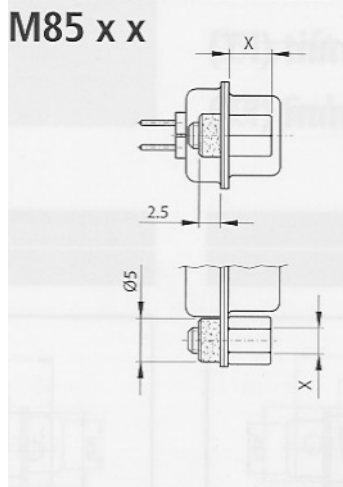
Assemblies (FP)

M85 x



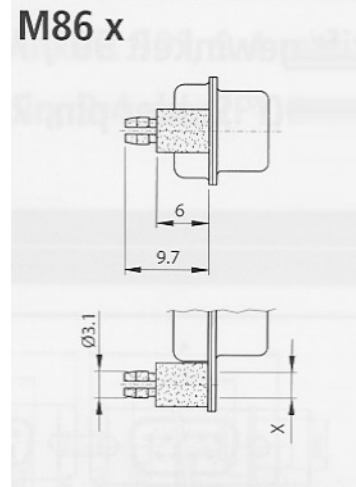
UN Back Nut UNC4-40
M3 Back Nut M3

M85 x x



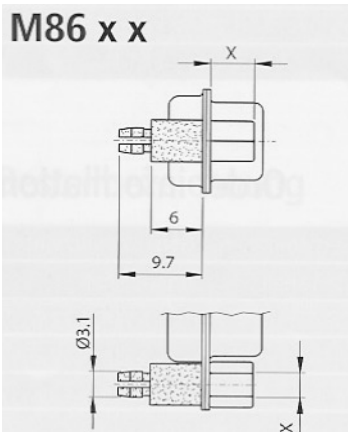
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M86 x



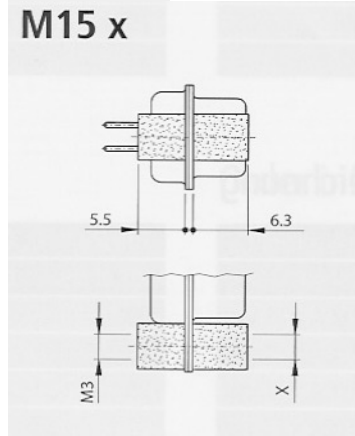
UN Push-On UNC4-40
M3 Push-On M3

M86 x x



UN B5 Push-On UNC4-40
Screw 5 mm
UN B6 Push-On UNC4-40
Screw 6 mm
M3 B5 Push-On M3
Screw 5 mm
M3 B6 Push-On UNC4-40
Screw 6 mm

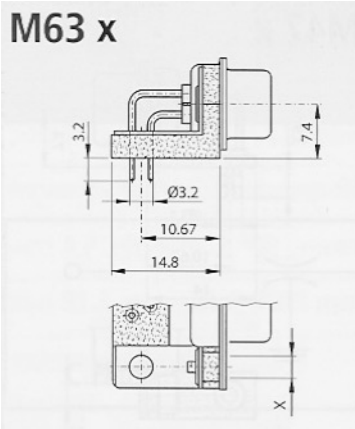
M15 x



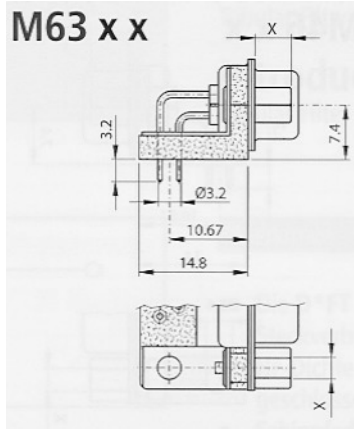
UN	Bolt	UNC4-40
M3	Bolt	M3

CORRY Micronics

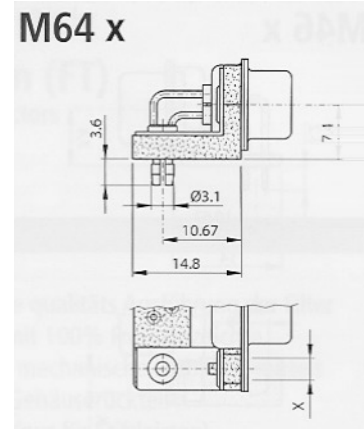
Assemblies (FP) Mounting Height 7.4 mm



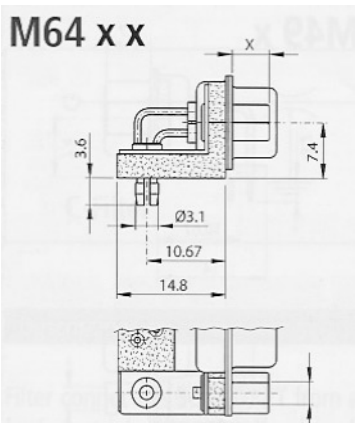
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3



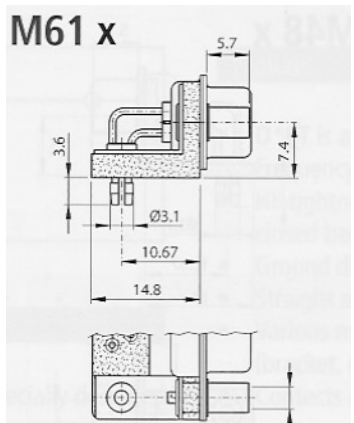
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm



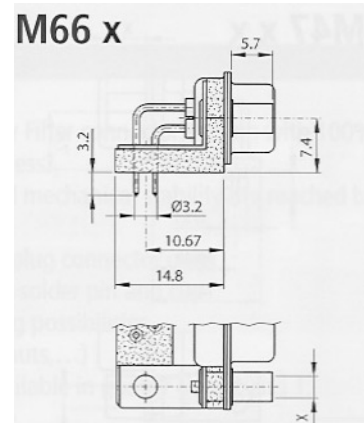
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3



UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm



UN Front Nut UNC4-40
M3 Front Nut M3

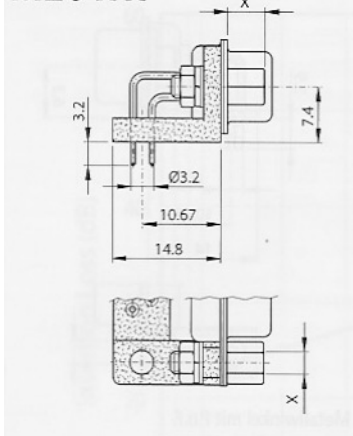


UN Front Nut UNC4-40
M3 Front Nut M3

CORRY Micronics

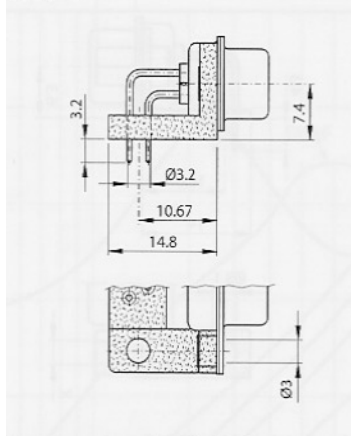
Assemblies (FP) Mounting Height 7.4

M20 x x



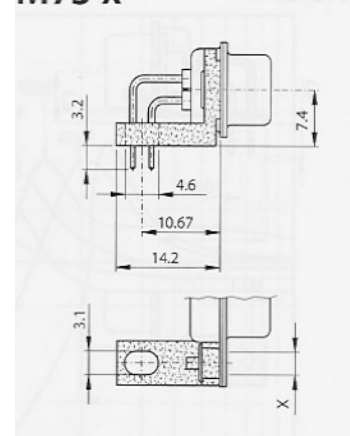
UN B5 Screw
UNC4-40 5 mm
UN B6 Screw
UNC4-40 6 mm
M3 B5 Screw
M3 5 mm
M3 B6 Screw
M3 6 mm

M70



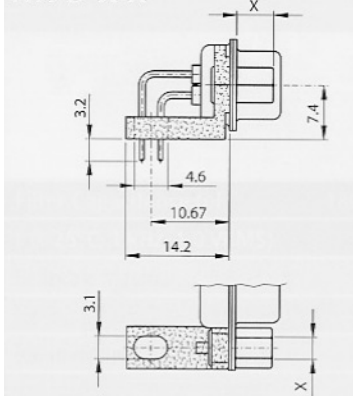
M70 Rivet 3.1 mm

M73 x



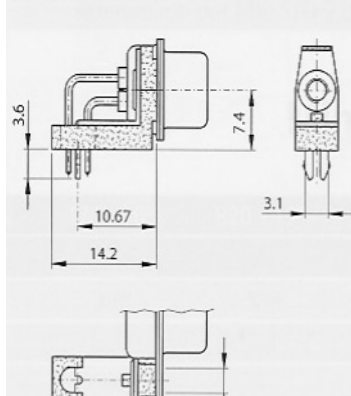
UN Back Nut UNC4-40
M3 Back Nut M3

M73 x x



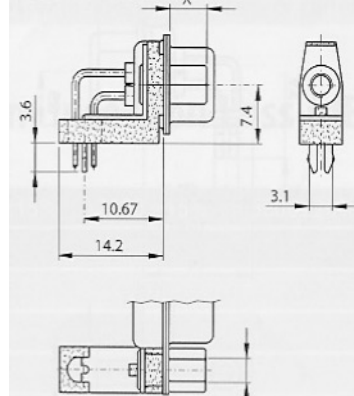
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M74 x



UN Front Nut UNC4-40
M3 Front Nut M3

M74 x x

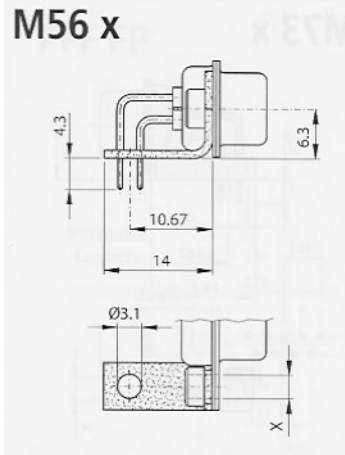


UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut M3
Screw 6 mm

CORRY Micronics

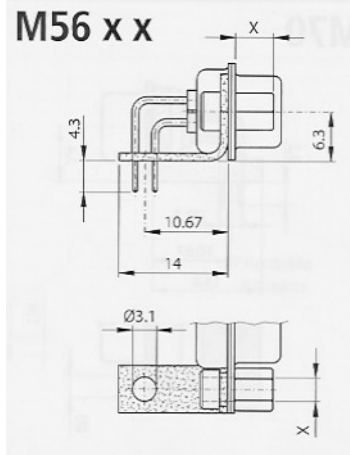
Assemblies (FP) Mounting Height 6.3 mm

M56 x



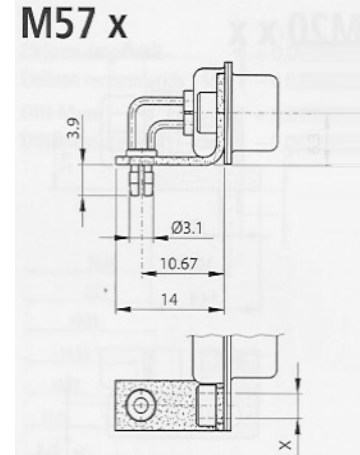
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

M56 x x



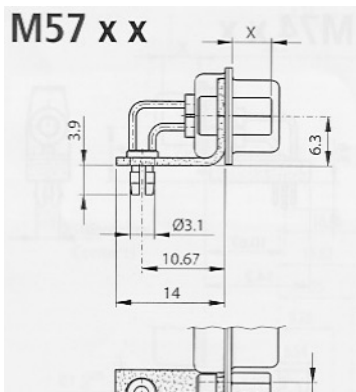
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M57 x



D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

M57 x x

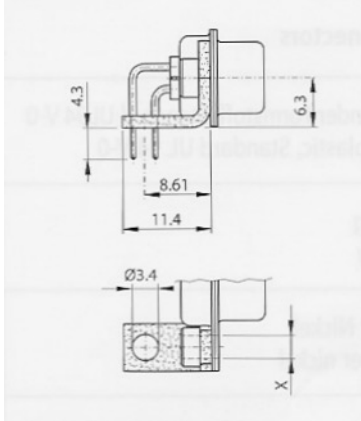


UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

CORRY **Micronics**

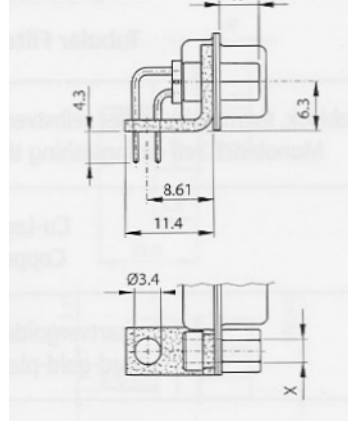
Assemblies (FP) Mounting Height 6.3 mm

M46A x



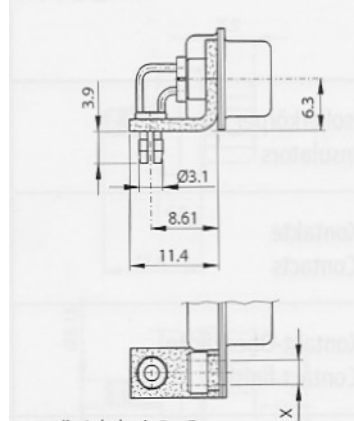
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

M46A x x



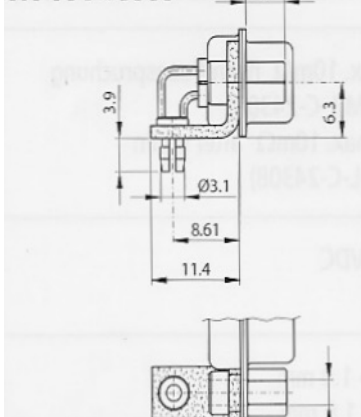
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M47A x



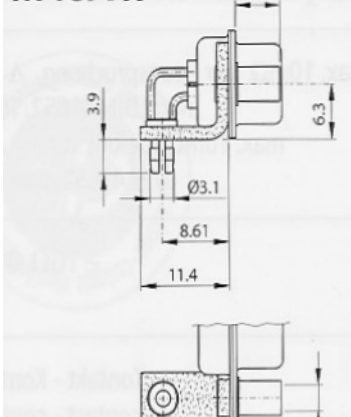
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

M47A x x



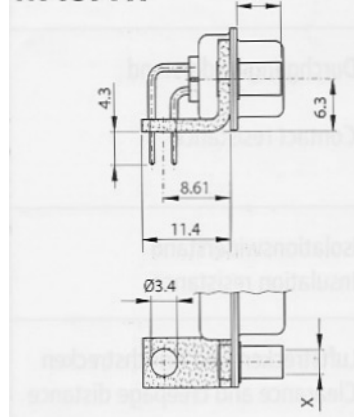
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M48A x



UN Front Nut UNC4-40
M3 Front Nut M3

M49A x

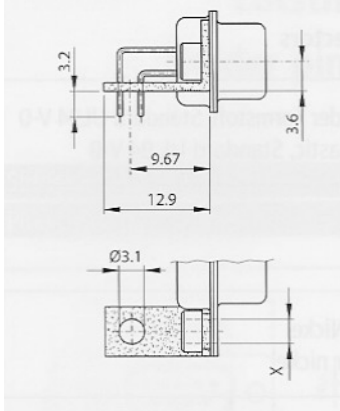


UN Front Nut UNC4-40
M3 Front Nut M3

CORRY Micronics

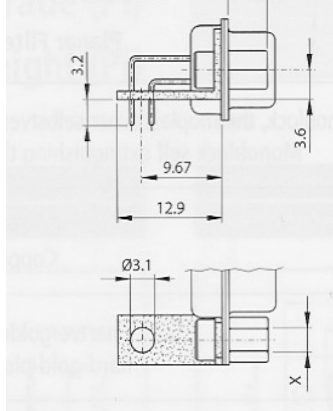
Assemblies (FP) Mounting Height 3.6 mm

M446 x



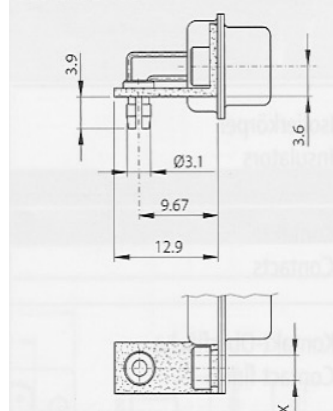
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

M446 x x



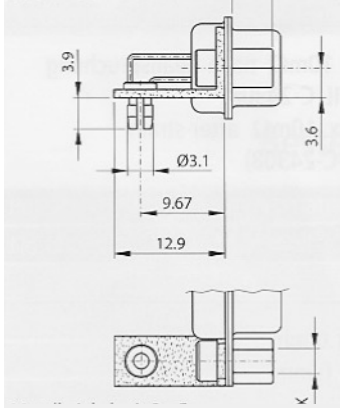
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M447 x



D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

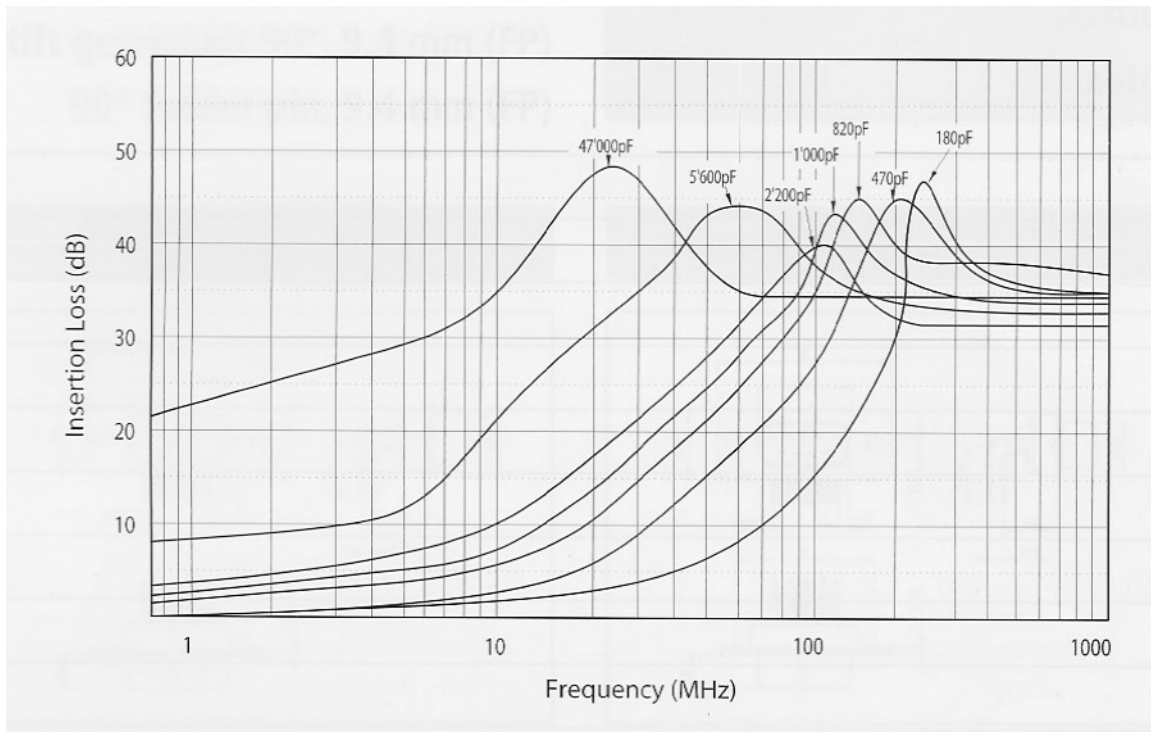
M447 x x



UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

CORRY Micronics

FP Attenuation Characteristics



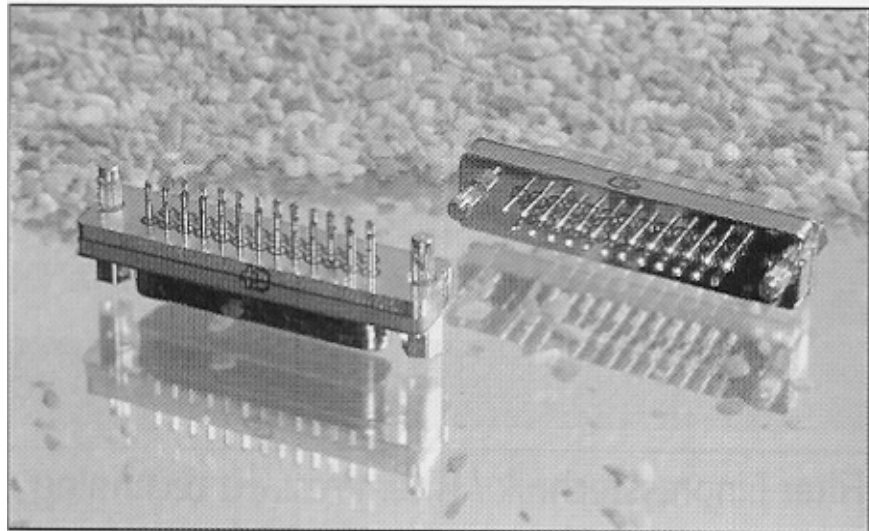
Minimum Insertion Loss (dB)

Filter Capacitance (pF)	180 ±20%	470 ±20%	820 ±15%	1000 ±15%	2200 ±15%	5600±20%
(@ 25°C, 1 kHz, 1.0 VRMS)						
Dielectric Material	NPO	X7R	X7R	X7R	X7R	X7R
Insertion Loss						
(dB minimum)						
.1 MHz	—	—	—	—	—	—
.5 MHz	—	—	—	—	—	3
1 MHz	—	—	—	—	1	5
5 MHz	—	1	1	1	5	11
10 MHz	—	2	3	3	8	16

***CORRY* Micronics**

Press Fit Technology

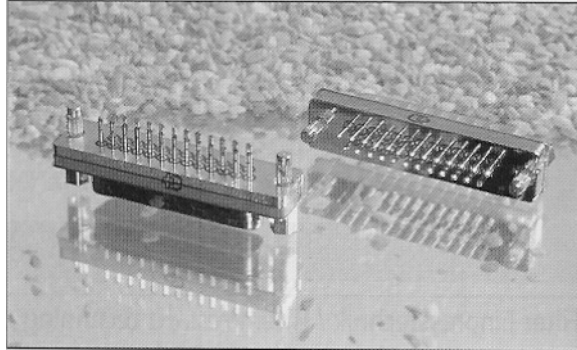
Ordering Chart



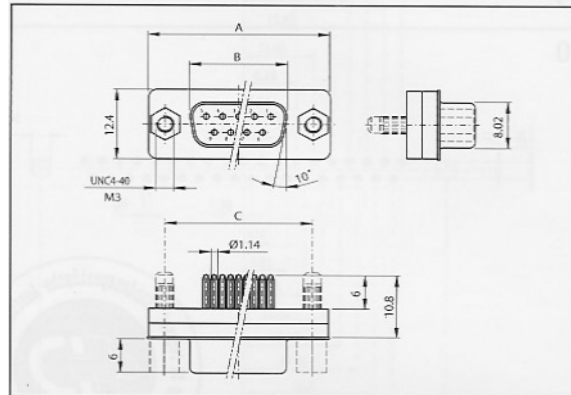
D	09	P	PFF	2	FP	102	M	198	UN
D-Sub	# of Pins	Plug Connector	Press Fit Flex	Class 2 Quality	Filter Plate	Filter Code	Assembly	See Assemblies	UNC4-40

CORRY Micronics

Filter Press Fit Technologies



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D- 09 S PFF x FP yyy
15		D- 15 S PFF x FP yyy
25		D- 25 S PFF x FP yyy
37		D- 37 S PFF x FP yyy

Replace the yyy with the appropriate filter code

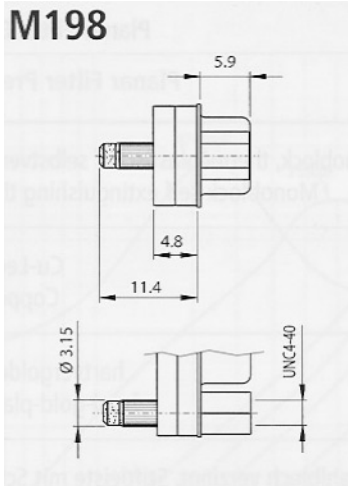
Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF	562	5600 pF
471	470 pF	102	1000 pF	222	2200 pF	682	6800 pF

To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

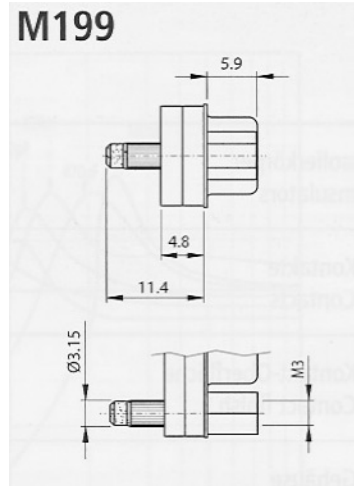
Assemblies

M198



Screw Type is UNC4-40

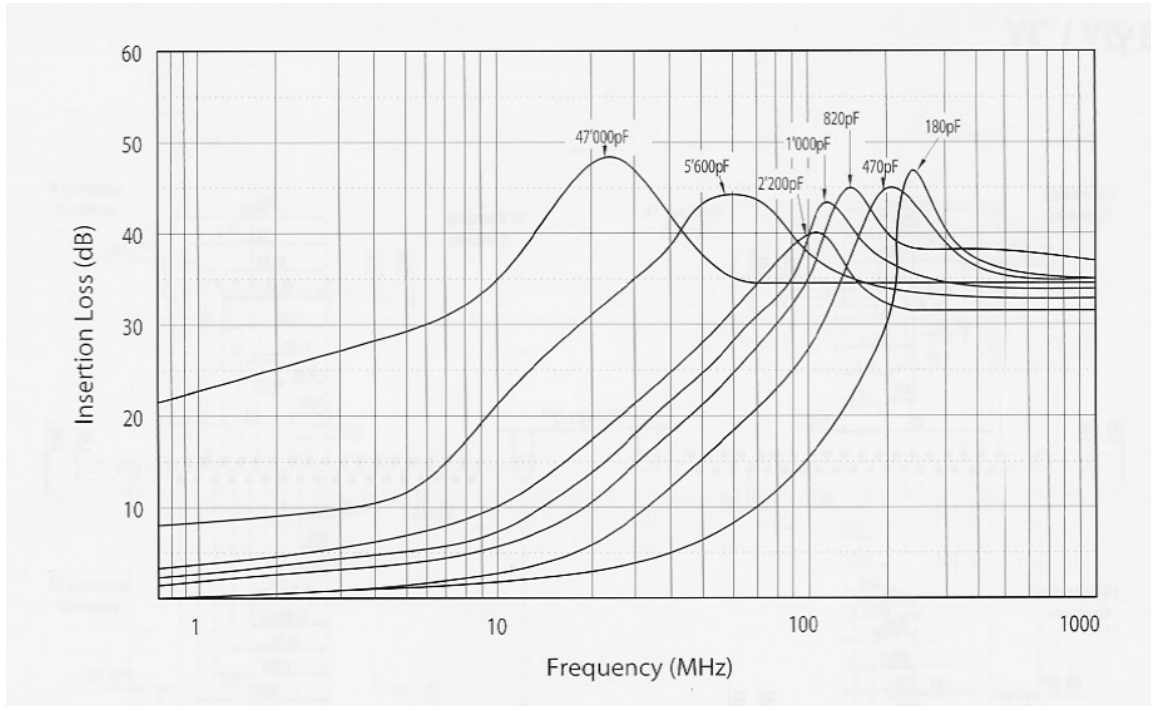
M199



Screw Type is M3

CORRY Micronics

Attenuation Characteristics



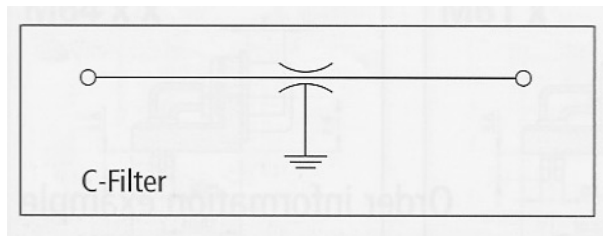
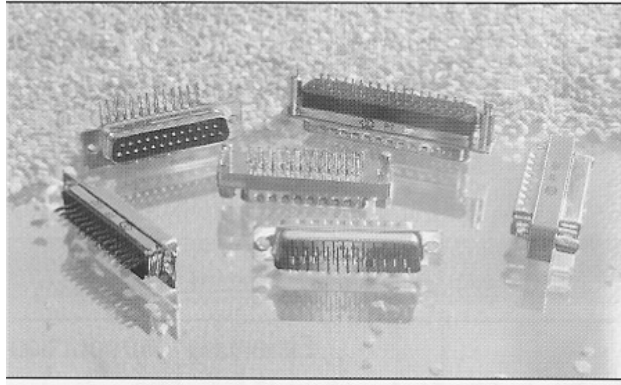
Attenuation per MIL-STD-220 at 25°C with no applied voltage or current.

Minimum Insertion Loss (dB)

Filter Capacitance (pF)	180 ±20%	470 ±20%	820 ±15%	1000 ±15%	2200 ±15%	5600±20%
(@ 25°C, 1 kHz, 1.0 VRMS)						
Dielectric Material	NPO	X7R	X7R	X7R	X7R	X7R
Insertion Loss						
(dB minimum)						
.1 MHz	—	—	—	—	—	—
.5 MHz	—	—	—	—	—	3
1 MHz	—	—	—	—	1	5
5 MHz	—	1	1	1	5	11
10 MHz	—	2	3	3	8	16
30 MHz	1	5	10	10	16	26
50 MHz	4	11	16	16	23	32
70 MHz	7	15	22	22	27	32
100 MHz	12	22	30	30	32	32
200 MHz	27	30	32	32	32	32
1000 MHz	32	32	32	32	32	32
Working Voltage (VDC)	100	100	100	100	100	100
DWV (VDC)*	250	250	250	250	250	250

***CORRY* Micronics**

Filter Tube Introduction

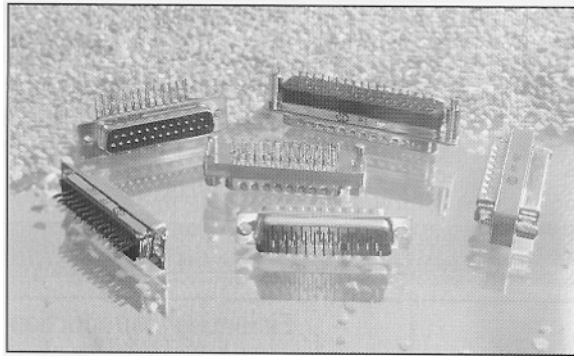


Description

The DF tubular filtered connectors are especially designed for those applications requiring a higher level of insertion loss.

CORRY Micronics

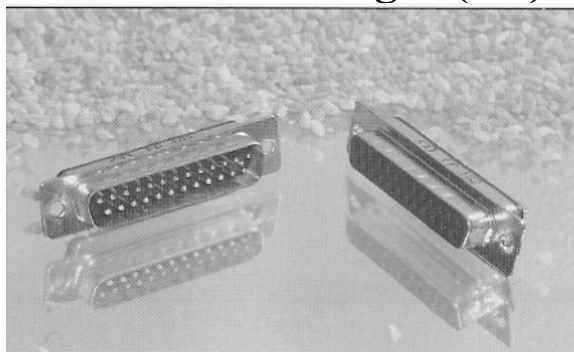
Filter Tube Ordering Chart



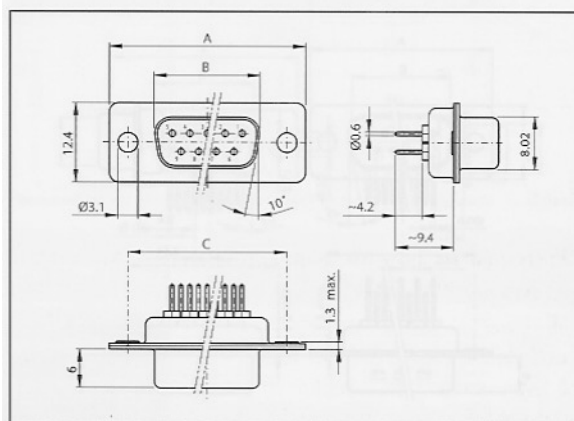
D	09	P	Y	2	FT	102	M	64	UN	B5
D-Sub	# of Pins	Plug Connector	Contact Version	Class 2	Filter Tube	Filter Code	Assembly	See Assemblies	Inside Thread	Bolt Length 5 mm

CORRY Micronics

Solder Pin Straight (FT)



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SY x FT yyy
15		D-15 SY x FT yyy
25		D-25 SY x FT yyy
37		D-37 SY x FT yyy

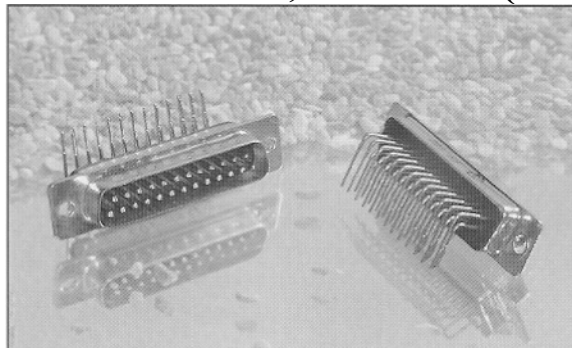
Replace the yyy with the appropriate filter code

Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF
471	470 pF	102	1000 pF		

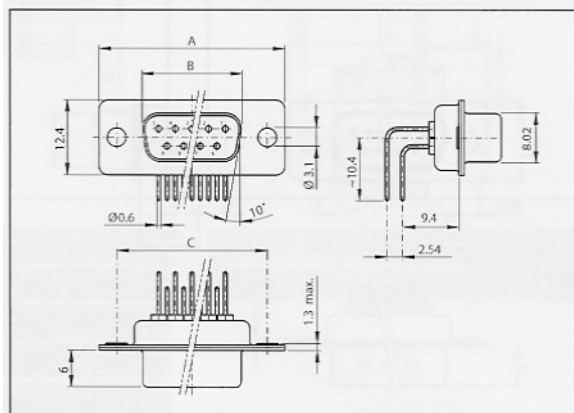
To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

90° Solder Pin, 7.18 mm (FT)



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SYC x FT yyy
15		D-15 SYC x FT yyy
25		D-25 SYC x FT yyy
37		D-37 SYC x FT yyy

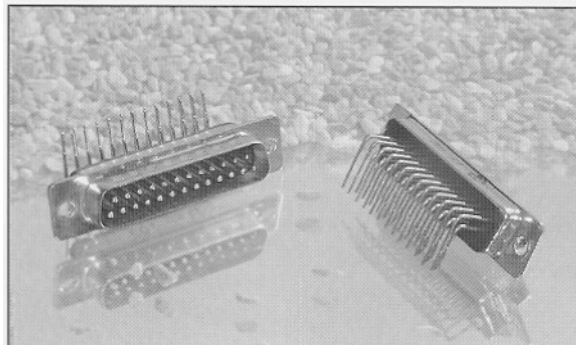
Replace the yyy with the appropriate filter code

Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF
471	470 pF	102	1000 pF		

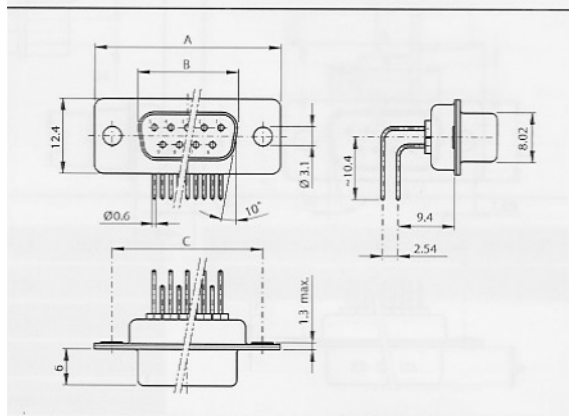
To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

90° Solder Pin 9.4 mm (FT)



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SYC x FT yyy
15		D-15 SYC x FT yyy
25		D-25 SYC x FT yyy
37		D-37 SYC x FT yyy

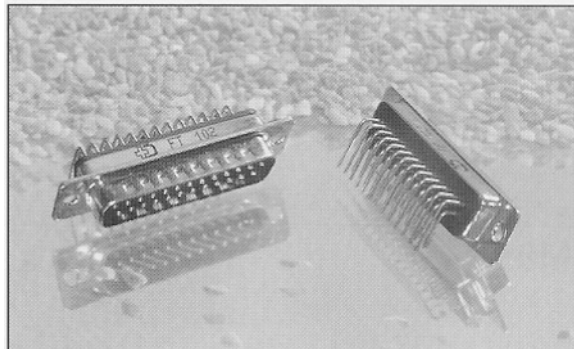
Replace the yyy with the appropriate filter code

Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF
471	470 pF	102	1000 pF		

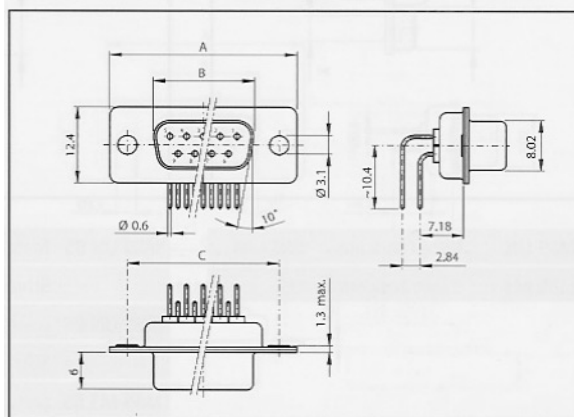
To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

90° Solder Pin, 7.18 mm (FT)



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SYCA x FT yyy
15		D-15 SYCA x FT yyy
25		D-25 SYCA x FT yyy
37		D-37 SYCA x FT yyy

Replace the yyy with the appropriate filter code

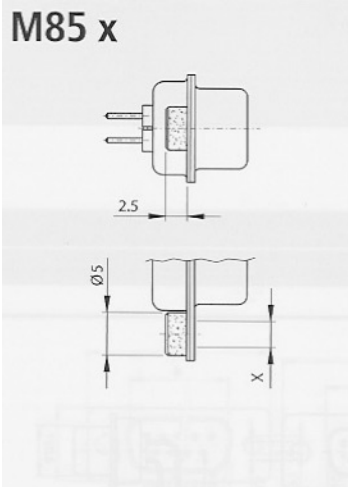
Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
331	330 pF	681	680 pF	152	1500 pF
471	470 pF	102	1000 pF		

To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

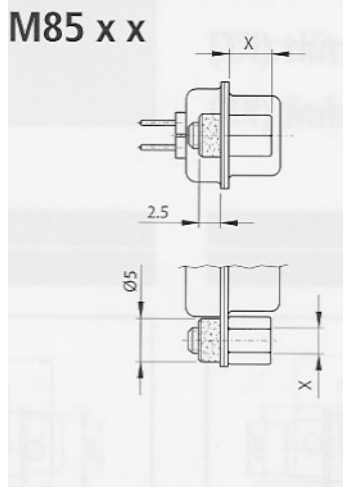
Assemblies (FT)

M85 x



UN Back Nut UNC4-40

M85 x x



UN B5 Back Nut UNC4-40

Screw 5 mm

UN B6 Back Nut UNC4-40

Screw 6 mm

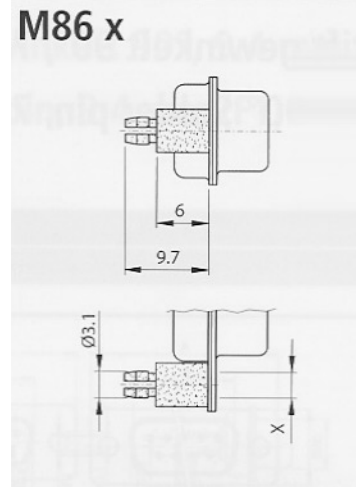
M3 B5 Back Nut M3

Screw 5 mm

M3 B6 Back Nut

Screw 6 mm

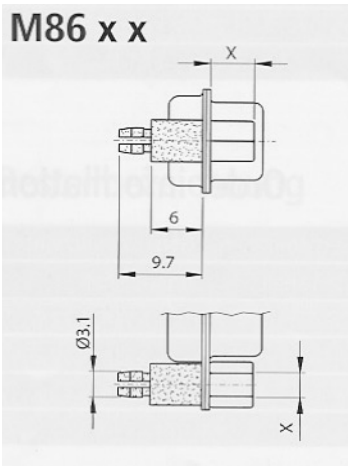
M86 x



UN Push-On UNC4-40

M3 Push-On M3

M86 x x



UN B5 Push-On UNC4-40

Screw 5 mm

UN B6 Push-On UNC4-40

Screw 6 mm

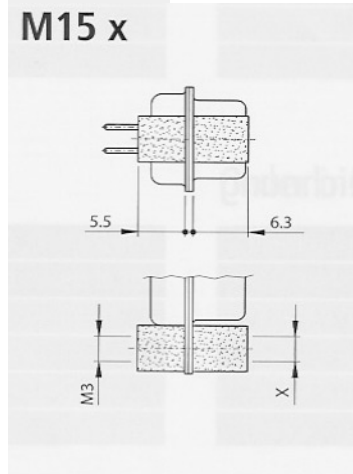
M3 B5 Push-On M3

Screw 5 mm

M3 B6 Push-On UNC4-40

Screw 6 mm

M15 x

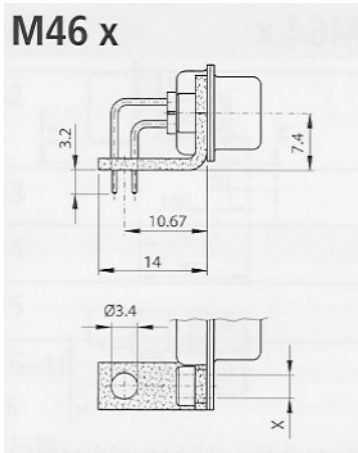


UN Bolt UNC4-40

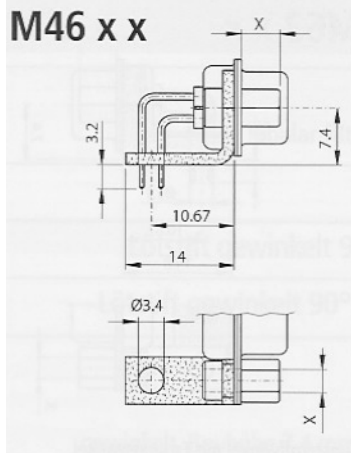
M3 Bolt M3

CORRY Micronics

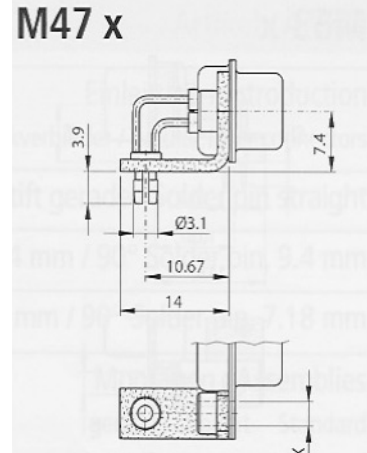
Assemblies (FT) Mounting Height 7.4 mm



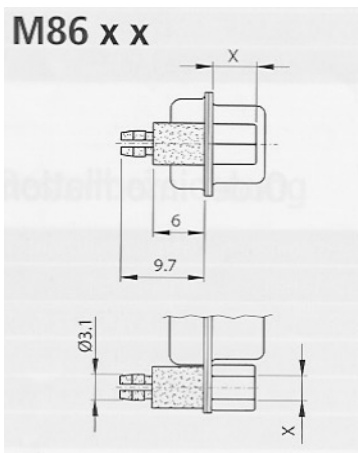
M46 x
D3 Rivet 3.1 mm
UN Back Nut UNC4-40



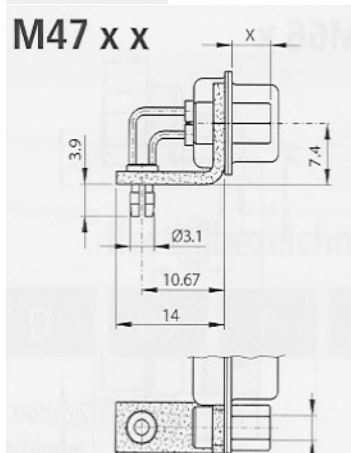
M46 x x
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm



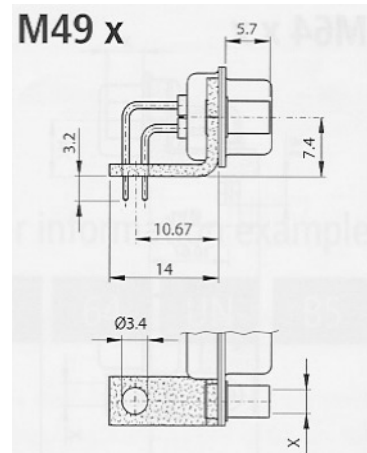
M47 x
D3 Rivet 3.1 mm
UN Back Nut UNC4-40



M86 x x
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm



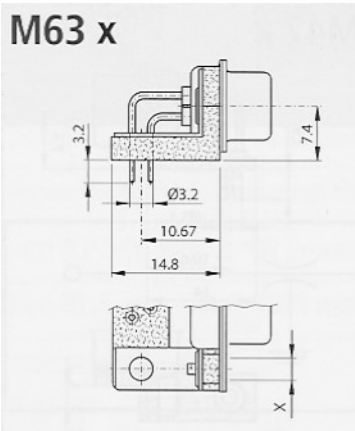
M47 x x
UN Front Nut UNC4-40
M3 Front Nut M3



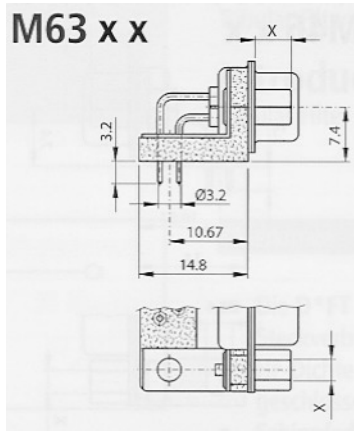
M49 x
UN Front Nut UNC4-40
M3 Front Nut M3

CORRY Micronics

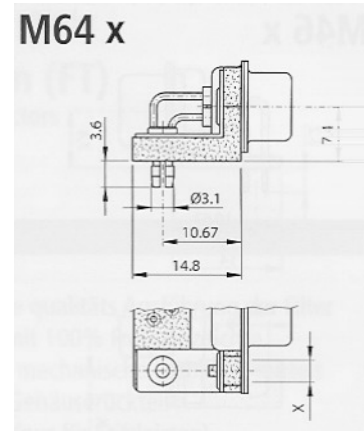
Assemblies (FT) Mounting Height 7.4 mm



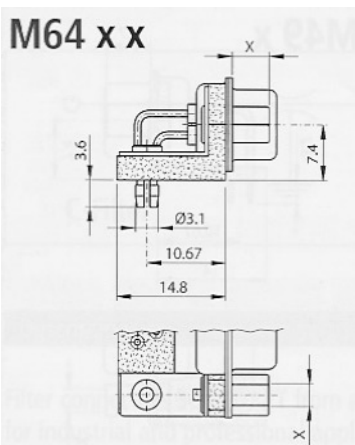
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3



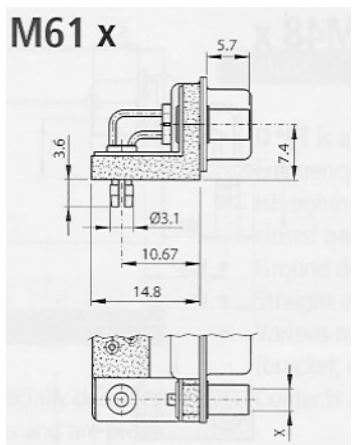
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm



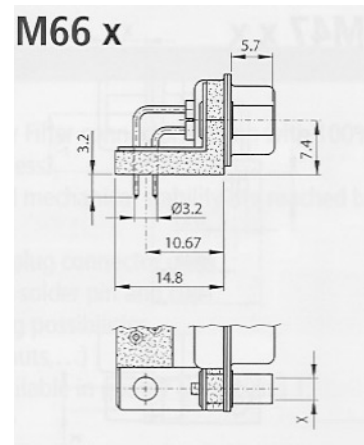
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3



UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm



UN Front Nut UNC4-40
M3 Front Nut M3

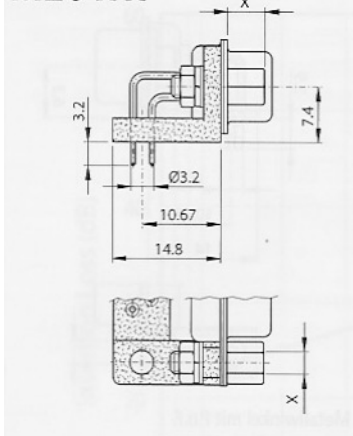


UN Front Nut UNC4-40
M3 Front Nut M3

CORRY Micronics

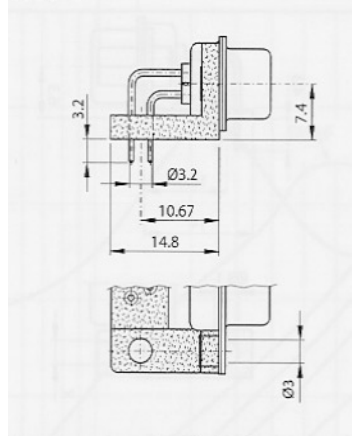
Assemblies (FT) Mounting Height 7.4

M20 x x



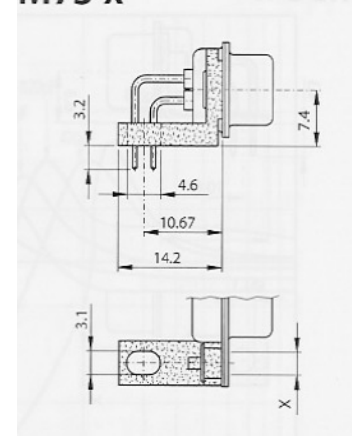
UN B5 Screw
UNC4-40 5 mm
UN B6 Screw
UNC4-40 6 mm
M3 B5 Screw
M3 5 mm
M3 B6 Screw
M3 6 mm

M70



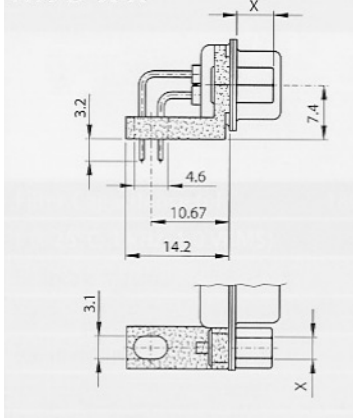
M70 Rivet 3.1 mm

M73 x



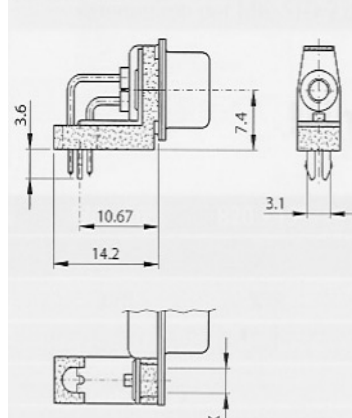
UN Back Nut UNC4-40
M3 Back Nut M3

M73 x x



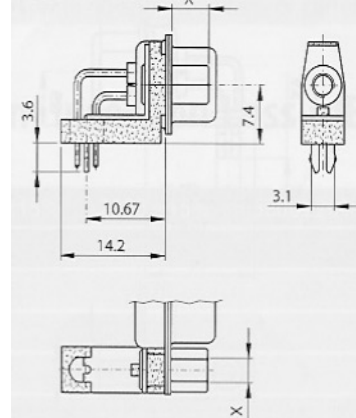
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M74 x



UN Front Nut UNC4-40
M3 Front Nut M3

M74 x x

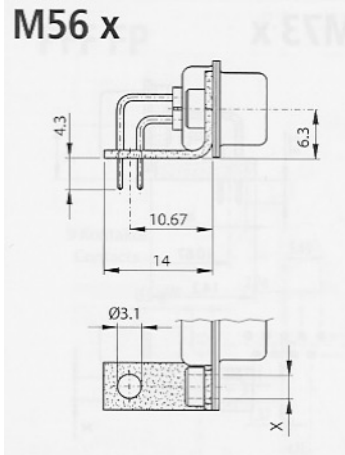


UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut M3
Screw 6 mm

CORRY **Micronics**

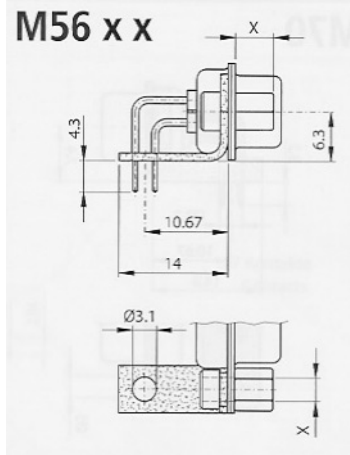
Assemblies (FT) Mounting Height 6.3 mm

M56 x



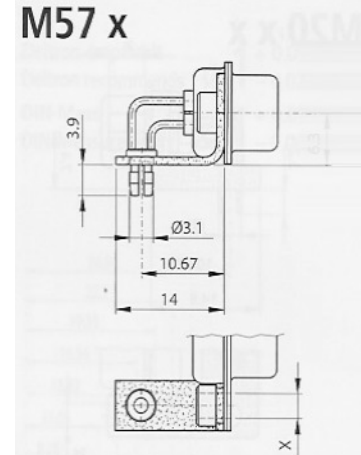
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

M56 x x



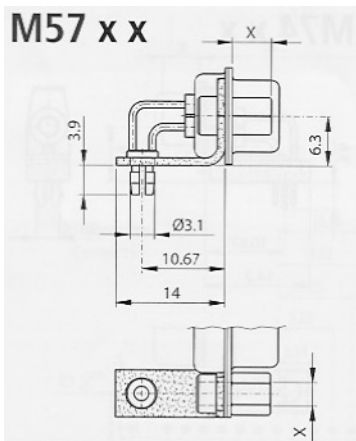
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M57 x



D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

M57 x x

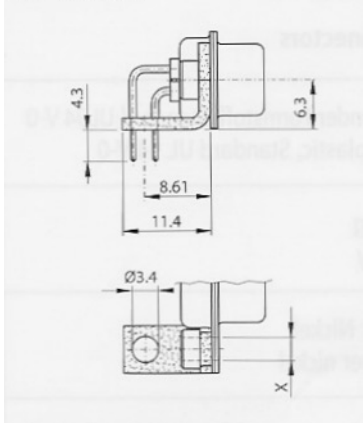


UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

CORRY Micronics

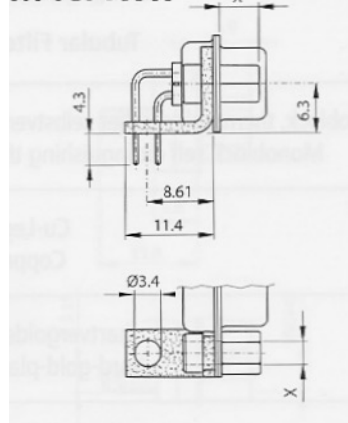
Assemblies (FT) Mounting Height 6.3 mm

M46A x



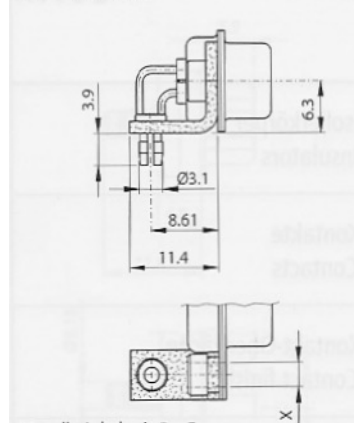
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

M46A x x



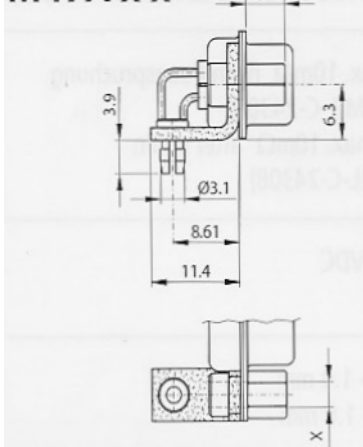
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M47A x



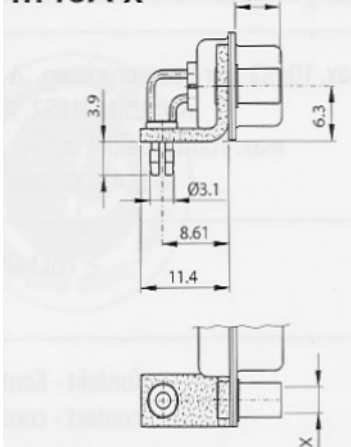
D3 Rivet 3.1 mm
UN Back Nut UNC4-40
M3 Back Nut M3

M47A x x



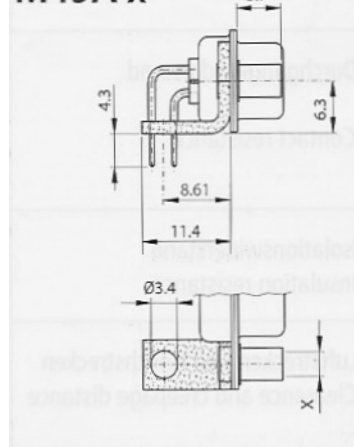
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M48A x



UN Front Nut UNC4-40
M3 Front Nut M3

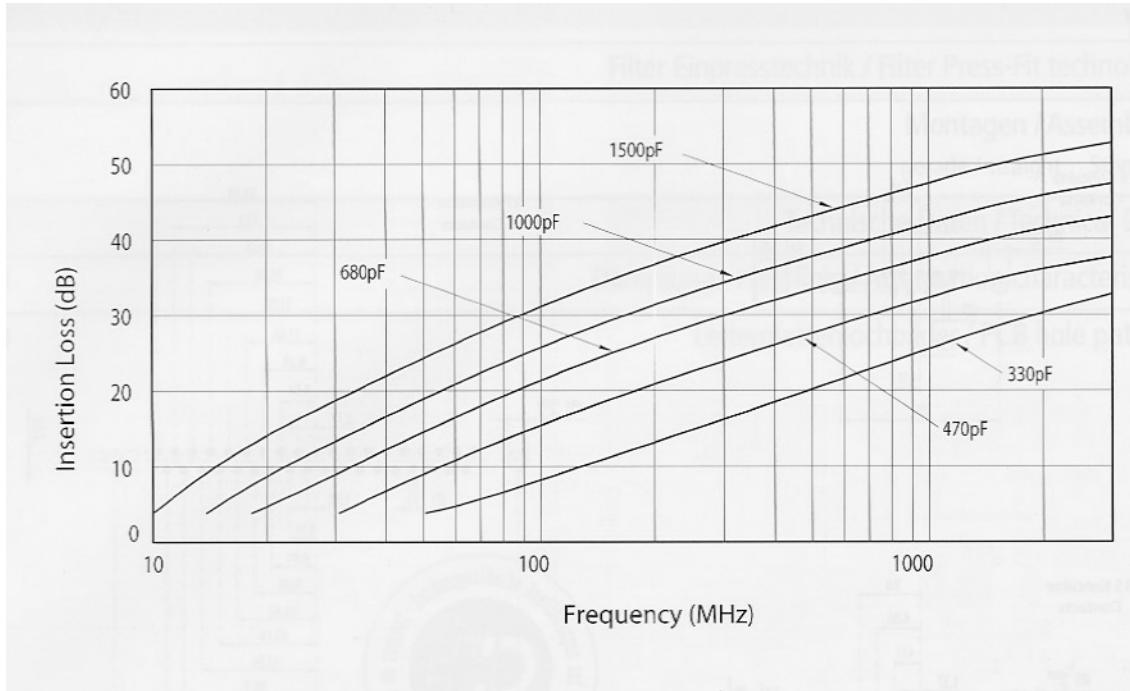
M49A x



UN Front Nut UNC4-40
M3 Front Nut M3

CORRY Micronics

Attenuation Characteristics



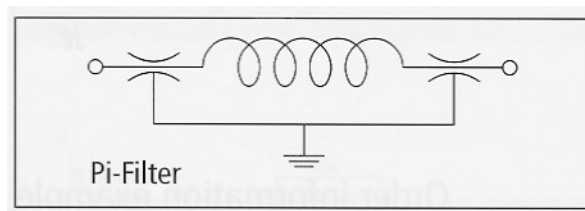
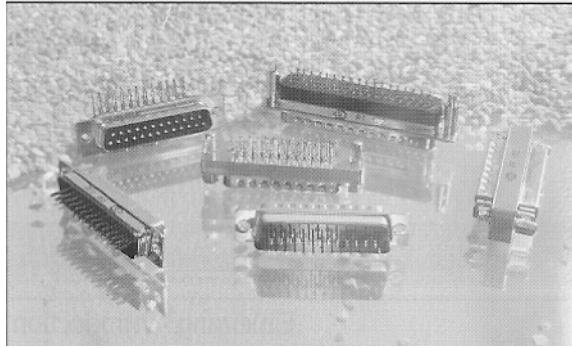
Attenuation per MIL-STD-220 at 25°C with no applied voltage or current.

Minimum Insertion Loss (dB)

Filter Capacitance (pF)		330 +20%	470 +20%	680 +20%	1000 +20%	1500 +30%
(@ 25°C, 1 kHz, 1.0 VRMS)		-10%	-10%	-10%	-10%	-10%
Dielectric Material		X7R	X7R	X7R	X7R	D6000
Insertion Loss (dB minimum)	10 MHz	—	—	—	—	3
	30 MHz	2	7	10	14	20
	100 MHz	9	18	22	27	31
	300 MHz	18	27	30	35	39
	1000 MHz	28	32	37	42	47
	2000 MHz	31	36	42	46	51
Working Voltage (VDC)		100	100	100	100	100
DWV (VDC)*		250	250	250	250	250

CORRY **Micronics**

Pi Filter Tube Introduction

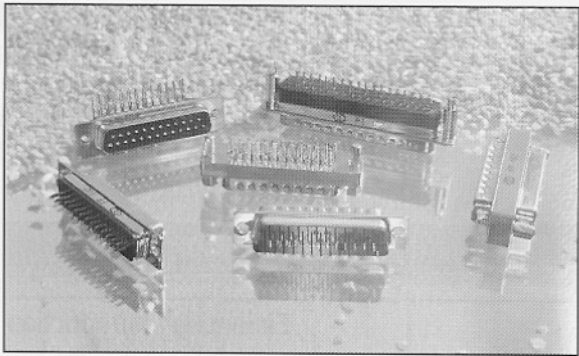


Description

The Pi series connectors are used where there is a need for the greatest insertion loss. These filters will have up to 75 dB of insertion loss at many frequencies.

CORRY Micronics

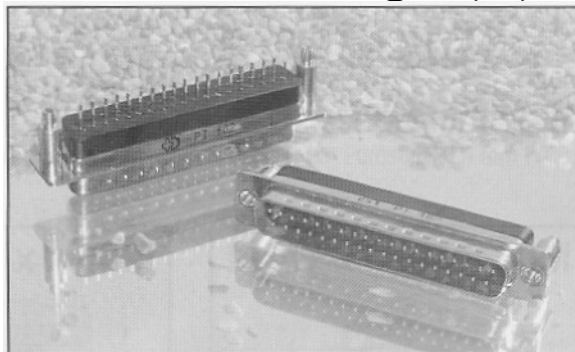
Filter Tube Pi Ordering Chart



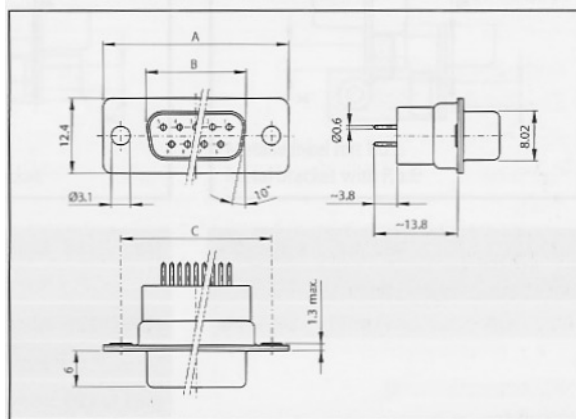
D	09	P	Y	2	Pi	102	M	85	UN	B5
D-Sub	# of Pins	Plug Connector	Contact Version	Class 2	Filter Tube	Filter Code	Assembly	See Assemblies	Inside Thread	Bolt Length 5 mm

CORRY Micronics

Solder Pin Straight (Pi)



Socket connector



No. of pos.	A	B	C
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.00
37	69.50	54.96	63.50

No. of pos.	Chromated shell	Tinned shell
09		D-09 SY x PI yyy
15		D-15 SY x PI yyy
25		D-25 SY x PI yyy
37		D-37 SY x PI yyy

Replace the yyy with the appropriate filter code

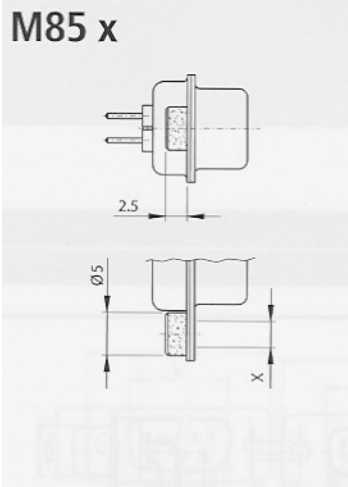
Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values	Filtercode	Filter values
101	100 pF	821	820 pF	172	1700 pF	502	5000 pF
471	470 pF	102	1000 pF	252	2500 pF		

To request gold class 1 or 2 quality, replace the x.

CORRY Micronics

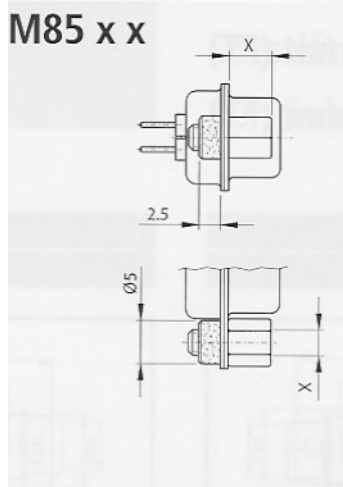
Assemblies (Pi)

M85 x



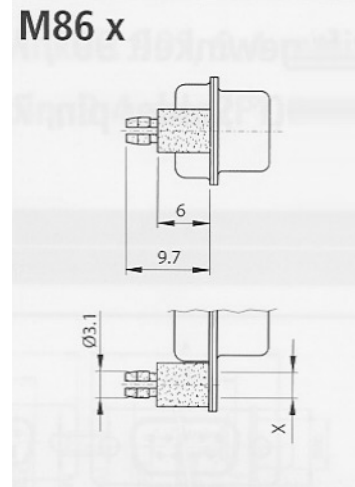
UN Back Nut UNC4-40
M3 Back Nut M3

M85 x x



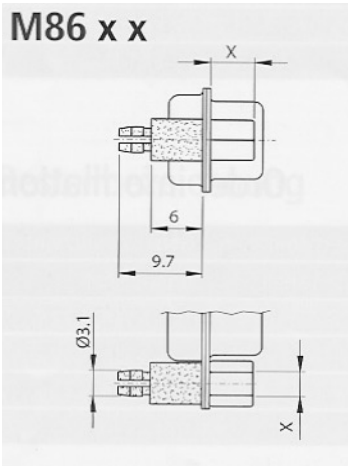
UN B5 Back Nut UNC4-40
Screw 5 mm
UN B6 Back Nut UNC4-40
Screw 6 mm
M3 B5 Back Nut M3
Screw 5 mm
M3 B6 Back Nut
Screw 6 mm

M86 x



UN Push-On UNC4-40
M3 Push-On M3

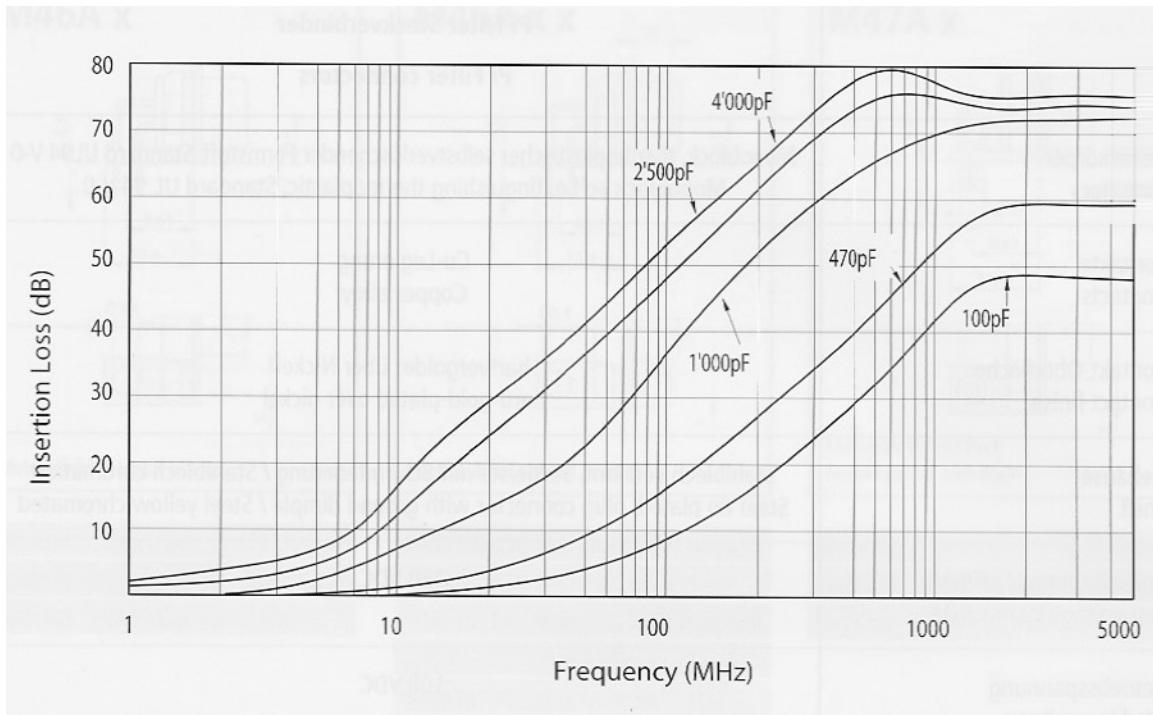
M86 x x



UN B5 Push-On UNC4-40
Screw 5 mm
UN B6 Push-On UNC4-40
Screw 6 mm
M3 B5 Push-On M3
Screw 5 mm
M3 B6 Push-On UNC4-40
Screw 6 mm

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Pi Attenuation Characteristics

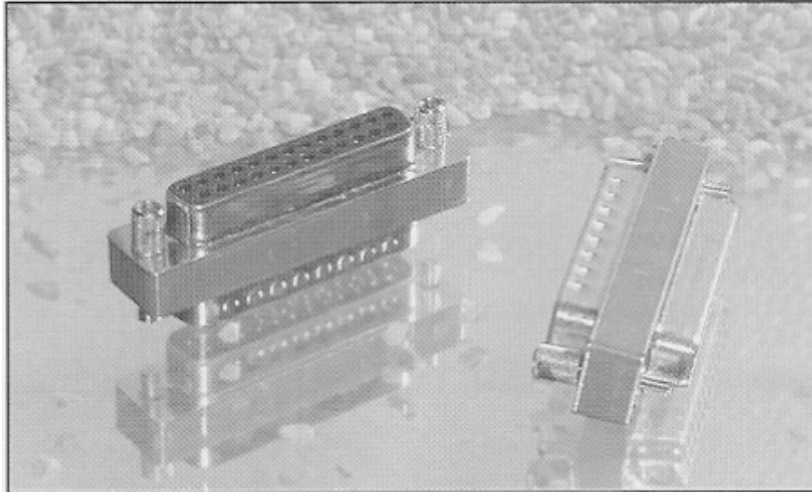


Minimum Insertion Loss (dB)

Filter Capacitance (pF)	470 +80%	820 +80%	1000 +80%	1700 +100%	2500 +100%	5000 +100%
(@ 25°C, 1 kHz, 1.0 VRMS)	-20%	-20%	-20%	0	0	0
Dielectric Material	X7R	X7R	X7S	X7T	X7W	X5W
Insertion Loss						
(dB minimum)						
5 MHz	–	–	–	1	3	7
10 MHz	–	–	2	6	9	14
20 MHz	–	3	7	14	16	27
50 MHz	9	13	16	28	28	41
100 MHz	18	22	24	35	41	53
200 MHz	22	30	36	48	52	66
500 MHz	36	42	48	60	62	70
1 GHz	43	50	55	70	70	70
Working Voltage (VDC)	100	100	100	100	100	100
DWV (VDC)*	250	250	250	250	250	250

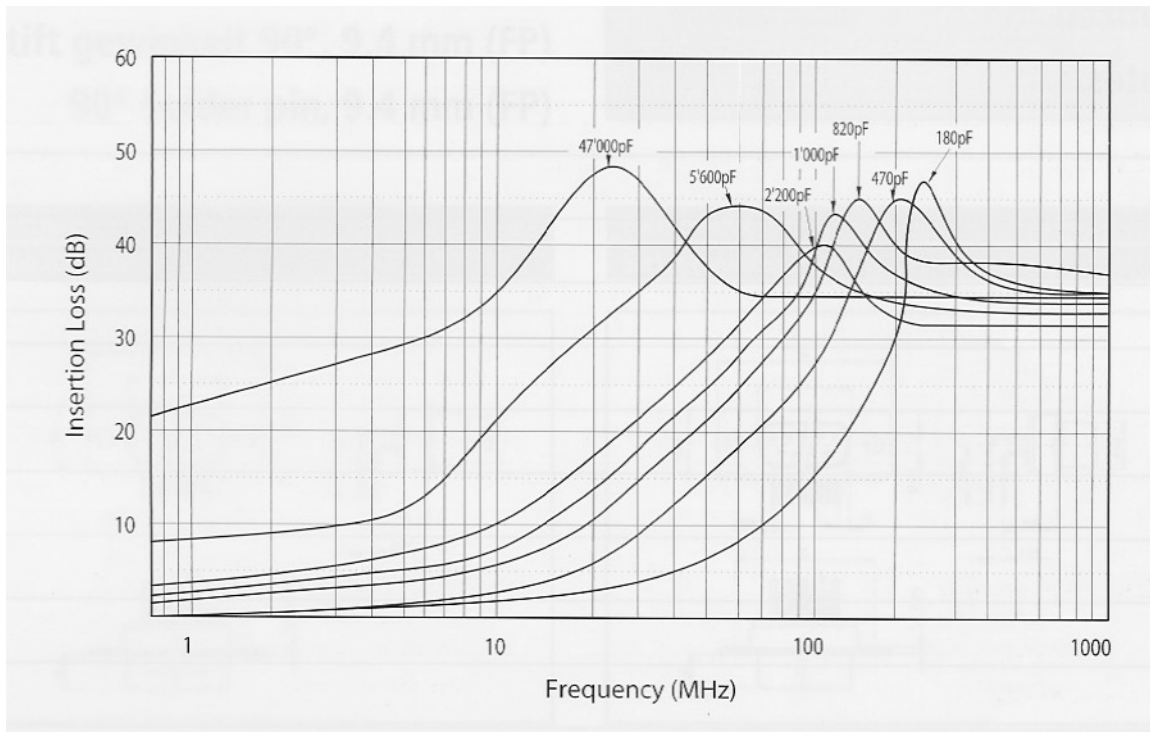
CORRY **Micronics**

Filter Adapter



CORRY Micronics

Filter Adapter Attenuation Characteristics



Minimum Insertion Loss (dB)

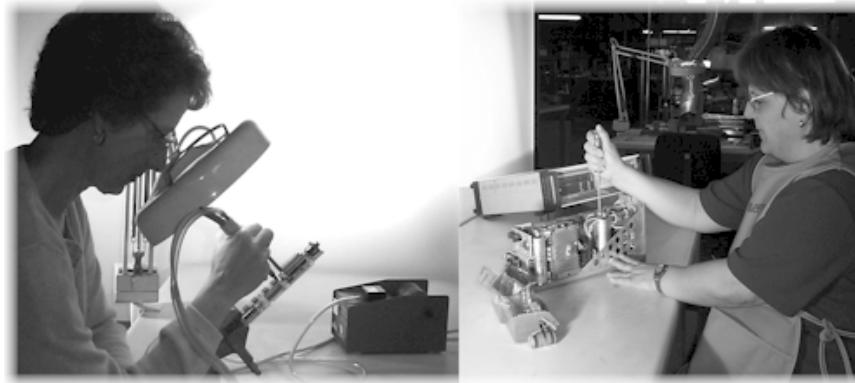
Filter Capacitance (pF)	180 ±20%	470 ±20%	820 ±15%	1000 ±15%	2200 ±15%	5600±20%
(@ 25°C, 1 kHz, 1.0 VRMS)						
Dielectric Material	NPO	X7R	X7R	X7R	X7R	X7R
Insertion Loss						
(dB minimum)						
.1 MHz	—	—	—	—	—	—
.5 MHz	—	—	—	—	—	3
1 MHz	—	—	—	—	1	5
5 MHz	—	1	1	1	5	11
10 MHz	—	2	3	3	8	16
30 MHz	1	5	10	10	16	26
50 MHz	4	11	16	16	23	32
70 MHz	7	15	22	22	27	32
100 MHz	12	22	30	30	32	32
200 MHz	27	30	32	32	32	32
1000 MHz	32	32	32	32	32	32
Working Voltage (VDC)	100	100	100	100	100	100
DWV (VDC)*	250	250	250	250	250	250

Ceramic Tubular Capacitors



Tubular capacitors are available in NPO, X7R and Z5U ceramic bodies from .050 diameters up to .495. Corry Micronics can also design a custom ceramic blend for your specific application.

Electro-Mechanical Assembly



Micronics will sub-assemble filtered products. We offer a wide range of assembly and test services including:

- Chassis installation of bolt-in feedthrus
- Chassis installation of solder-in feedthrus
- Gold and Silver Soldering
- Mechanical sheet metal assembly
- Panel wiring
- Thermal shock test
- Accelerated life test
- RF shielding engineering