

Socket connectors 2.54mm

Mating Pin Ø0.47mm

Single row/double row

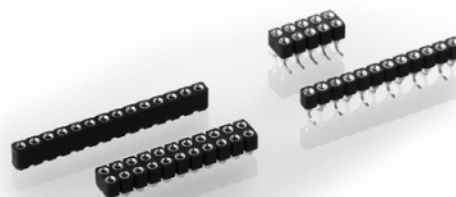
Surface mount

Series: SHD

Socket connectors SMD perpendicular mount

Technical Specs:

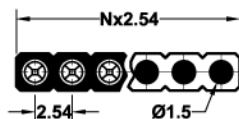
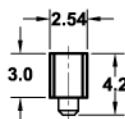
Insulator:	Black glass filled polyester PPS-GF30-FR
Flammability:	UL 94V-O
Sleeve:	Brass CuZn 36pb3(36000)
Contact clip (4 finger):	Beryllium copper (C17200)
Mating pin Ø:	0.40 to 0.56 mm
Forces:	(polished steel gauge Ø 0.43mm)
-Insertion	2 N typ.
-Withdrawal	1 N typ.
Mechanical life:	min 500 cycles
Rated current:	3 A
Contact resistance:	max 10 mΩ
Dielectric strength:	min 1000V _{RMS}
Coplanar SMD terminations:	max 0.1mm(measured on 25 mm long connectors)



Ordering information

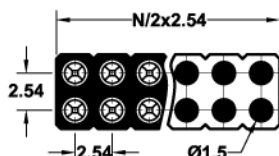
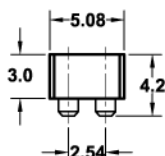
SHD - NNN X - A P P 0420A

No. of Positions	Insulator Type code	Pin Plating code	Clip Plating code
	1 Single row	1 Tin150μ"	1 Tin150μ"
	2 Double row	2 Tin200μ"	2 Tin200μ"
		3 GF	3 GF
		4 Gold2μ"	4 Gold2μ"
		5 Gold3μ"	5 Gold3μ"
		6 Gold10μ"	6 Gold10μ"
		7 Gold15μ"	7 Gold15μ"
		S Special	S Special



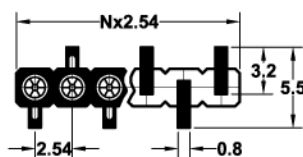
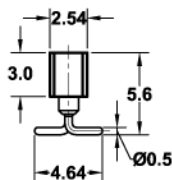
SHD-NNN1-APP0420A

SMD socket connector, low profile
single row,perpendicular
Availability from: 2 to 40 contacts
Standard number of contacts 5, 6,
8, 9, 10, 11, 12, 14, 16, 17,
20, 25, 30, 32 and 40



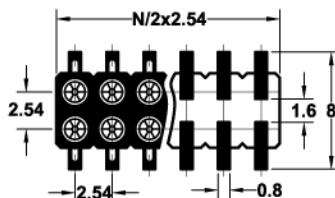
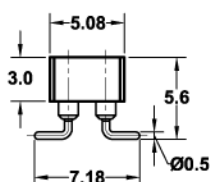
SHD-NNN2-APP0420A

SMD socket connector, low profile
double row,perpendicular mount
with self-levelling floating
Availability from: 4 to 80 contacts
Standard number of contacts 64



SHD-NNN1-APP0740A

SMD socket connector:single row
perpendicular mount with gull-wing
terminations
Availability from: 3 to 40 contacts
Standard number of contacts 5, 6,
8, 9, 10, 11, 12, 14, 16, 17,
20, 25, 30, 32 and 40



SHD-NNN2-APP0740A

SMD socket connector:single row
perpendicular mount with gull-wing
terminations
Availability from: 4 to 80 contacts
Standard number of contacts 20,
56, 60, 64 and 72

Socket connectors 2.54mm

Mating Pin Ø0.76mm or 0.64 SQ

Single row/double row

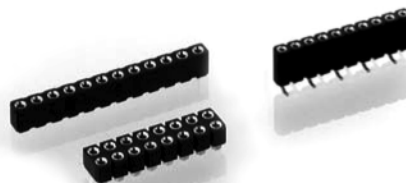
Surface mount

Series: SHD

Socket connectors SMD perpendicular mount

Technical Specs:

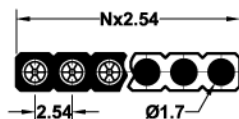
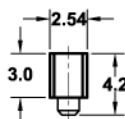
Insulator:	Black glass filled polyester PPS-GF30-FR
Flammability:	UL 94V-O
Sleeve:	Brass CuZn 36pb3(36000)
Contact clip (6 finger):	Beryllium copper (C17200)
Mating pin Ø:	0.7 to 0.9 mm or 0.635SQ
Forces:	(polished steel gauge Ø 0.76mm)
-Insertion	1.2 N typ.
-Withdrawal	0.6 N typ.
Mechanical life:	min 500 cycles
Rated current:	3 A
Contact resistance:	max 10 mΩ
Dielectric strength:	min 1000V _{RMS}
Coplanar SMD terminations:	max 0.1mm(measured on 25 mm long connectors)



Ordering information

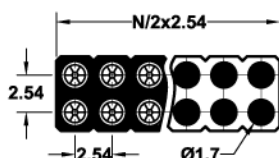
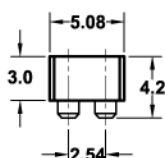
SHD - NNN X - A P P 0420B

No. of Positions	Insulator Type code	Pin Plating code	Clip Plating code
	1 Single row 2 Double row	1 Tin150μ" 2 Tin200μ" 3 GF 4 Gold2μ" 5 Gold3μ" 6 Gold10μ" 7 Gold15μ" S Special	1 Tin150μ" 2 Tin200μ" 3 GF 4 Gold2μ" 5 Gold3μ" 6 Gold10μ" 7 Gold15μ" S Special



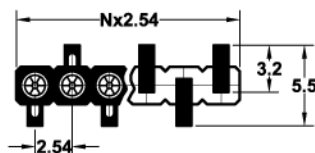
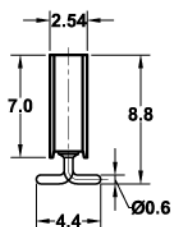
SHD-NNN1-APP0420B

SMD socket connector, low profile
single row,perpendicular
Availability from: 2 to 40 contacts
Standard number of contacts 5, 6,
8, 9, 10, 11, 12, 14, 16, 17,
20, 25, 30, 32 and 40



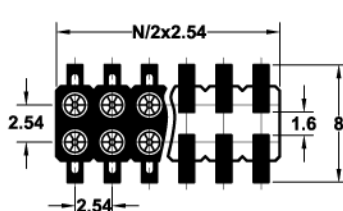
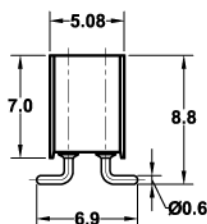
SHD-NNN2-APP0420B

SMD socket connector, low profile
double row,perpendicular mount
with self-levelling floating
Availability from: 4 to 80 contacts
Standard number of contacts 64



SHD-NNN1-APP1040A

SMD socket connector:single row
perpendicular mount with gull-wing
terminations
Availability from: 3 to 40 contacts
Standard number of contacts 5, 6,
8, 9, 10, 11, 12, 14, 16, 17,
20, 25, 30, 32 and 40



SHD-NNN2-APP1040A

SMD socket connector:single row
perpendicular mount with gull-wing
terminations
Availability from: 4 to 80 contacts
Standard number of contacts 20,
56, 60, 64 and 72

Dual-in-line sockets 2.54mm

Open frame

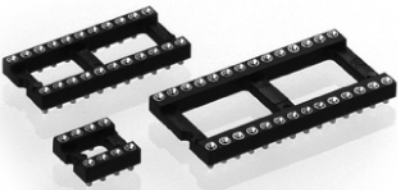
Solder tail

Series: SHD

Specially designed for reflow soldering including vapor phase. With unique self-aligning floating contacts

Technical Specs:

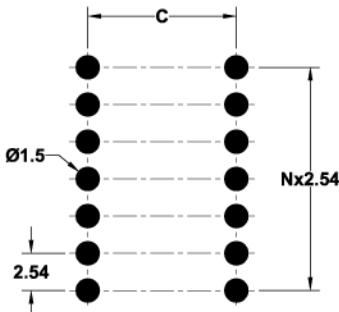
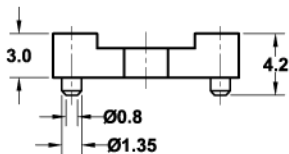
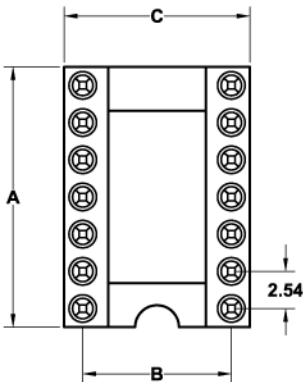
Insulator: Black glass filled polyester PPS-GF30-FR
Flammability: UL 94V-O
Sleeve: Brass CuZn 36pb3(36000)
Contact clip (4 finger): Beryllium copper (C17200)
Mating pin Ø: 0.40 to 0.56 mm
Forces: (polished steel gauge Ø 0.43mm)
-Insertion 2 N typ.
-Withdrawal 1 N typ.
Mechanical life: min 100 cycles
Rated current: 1 A
Contact resistance: max 10 mΩ
Dielectric strength: min 1000V_{RMS}
Coplanarity SMD terminations: max 0.1mm



Ordering information

SHD - NNN X - B P P 0420A

No. of Positions	Row spacing code	Pin Plating code	Clip Plating code
	3 7.62mm	1 Tin150μ"	1 Tin150μ"
	4 10.16mm	2 Tin200μ"	2 Tin200μ"
	6 15.24mm	3 GF	3 GF
	9 22.86mm	4 Gold2μ"	4 Gold2μ"
		5 Gold3μ"	5 Gold3μ"
		6 Gold10μ"	6 Gold10μ"
		7 Gold15μ"	7 Gold15μ"
		S Special	S Special



See page 37	No. of Positions	A	B	C	Order Codes
fig. 1	6	7.6	7.62	10.1	SHD-0063-BPP0420A
fig. 2	8	10.1	7.62	10.1	SHD-0083-BPP0420A
fig. 3	10	12.6	7.62	10.1	SHD-0103-BPP0420A
fig. 4	12	15.2	7.62	10.1	SHD-0123-BPP0420A
fig. 5	14	17.7	7.62	10.1	SHD-0143-BPP0420A
fig. 6	16	20.3	7.62	10.1	SHD-0163-BPP0420A
fig. 7	18	22.8	7.62	10.1	SHD-0183-BPP0420A
fig. 8	20	25.3	7.62	10.1	SHD-0203-BPP0420A
fig. 9	22	27.8	7.62	10.1	SHD-0223-BPP0420A
fig. 10	24	30.4	7.62	10.1	SHD-0243-BPP0420A
fig. 11	28	35.5	7.62	10.1	SHD-0283-BPP0420A
fig. 12	20	25.4	10.16	12.6	SHD-0204-BPP0420A
fig. 13	22	27.8	10.16	12.6	SHD-0224-BPP0420A
fig. 14	24	30.4	10.16	12.6	SHD-0244-BPP0420A
fig. 15	28	35.5	10.16	12.6	SHD-0284-BPP0420A
fig. 16	32	40.6	10.16	12.6	SHD-0324-BPP0420A
fig. 17	24	30.5	15.24	17.7	SHD-0246-BPP0420A
fig. 18	28	35.5	15.24	17.7	SHD-0286-BPP0420A
fig. 19	32	40.6	15.24	17.7	SHD-0326-BPP0420A
fig. 20	36	45.7	15.24	17.7	SHD-0366-BPP0420A
fig. 21	40	50.8	15.24	17.7	SHD-0406-BPP0420A
fig. 22	42	53.3	15.24	17.7	SHD-0426-BPP0420A
fig. 23	48	60.9	15.24	17.7	SHD-0486-BPP0420A

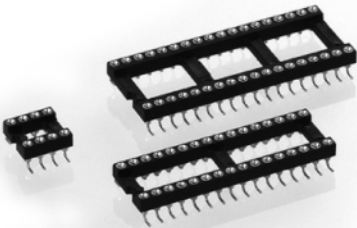
Dual-in-line sockets 2.54mm

Open frame
Surface mount

Series: SHD

Specially designed for reflow soldering including vapor phase. Gull wing terminations for maximum strength and easy in-circuit test

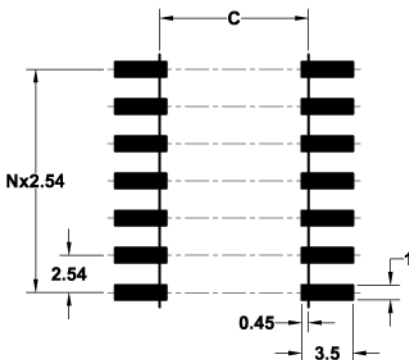
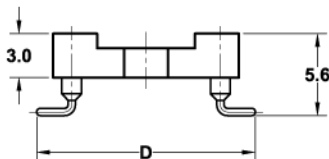
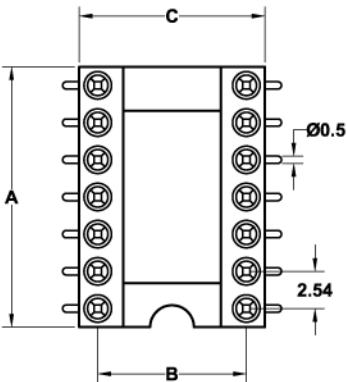
Insulator: Black glass filled polyester PPS-GF30-FR
Flammability: UL 94V-O
Sleeve: Brass CuZn 36pb3(36000)
Contact clip (4 finger): Beryllium copper (C17200)
Mating pin Ø: 0.40 to 0.56 mm
Forces: (polished steel gauge Ø 0.43mm)
-Insertion 2 N typ.
-Withdrawal 1 N typ.
Mechanical life: min 100 cycles
Rated current: 1 A
Contact resistance: max 10 mΩ
Dielectric strength: min 1000V_{RMS}
Coplanarity SMD terminations: max 0.1mm



Ordering information

SHD - NNN X - B P P 0743A

No. of Positions	Row spacing code	Pin Plating code	Clip Plating code
	3 7.62mm	1 Tin150μ"	1 Tin150μ"
	4 10.16mm	2 Tin200μ"	2 Tin200μ"
	6 15.24mm	3 GF	3 GF
	9 22.86mm	4 Gold2μ"	4 Gold2μ"
		5 Gold3μ"	5 Gold3μ"
		6 Gold10μ"	6 Gold10μ"
		7 Gold15μ"	7 Gold15μ"
		S Special	S Special



See page 44	No. of Positions	A	B	C	D	Order Codes
fig. 1	6	7.6	7.62	10.1	12.26	SHD-0063-BPP0743A
fig. 2	8	10.1	7.62	10.1	12.26	SHD-0083-BPP0743A
fig. 3	10	12.6	7.62	10.1	12.26	SHD-0103-BPP0743A
fig. 4	12	15.2	7.62	10.1	12.26	SHD-0123-BPP0743A
fig. 5	14	17.7	7.62	10.1	12.26	SHD-0143-BPP0743A
fig. 6	16	20.3	7.62	10.1	12.26	SHD-0163-BPP0743A
fig. 7	18	22.8	7.62	10.1	12.26	SHD-0183-BPP0743A
fig. 8	20	25.3	7.62	10.1	12.26	SHD-0203-BPP0743A
fig. 9	22	27.8	7.62	10.1	12.26	SHD-0223-BPP0743A
fig. 10	24	30.4	7.62	10.1	12.26	SHD-0243-BPP0743A
fig. 11	28	35.5	7.62	10.1	12.26	SHD-0283-BPP0743A
fig. 12	20	25.4	10.16	12.6	14.80	SHD-0204-BPP0743A
fig. 13	22	27.8	10.16	12.6	14.80	SHD-0224-BPP0743A
fig. 14	24	30.4	10.16	12.6	14.80	SHD-0244-BPP0743A
fig. 15	28	35.5	10.16	12.6	14.80	SHD-0284-BPP0743A
fig. 16	32	40.6	10.16	12.6	14.80	SHD-0324-BPP0743A
fig. 17	24	30.5	15.24	17.7	19.88	SHD-0246-BPP0743A
fig. 18	28	35.5	15.24	17.7	19.88	SHD-0286-BPP0743A
fig. 19	32	40.6	15.24	17.7	19.88	SHD-0326-BPP0743A
fig. 20	36	45.7	15.24	17.7	19.88	SHD-0366-BPP0743A
fig. 21	40	50.8	15.24	17.7	19.88	SHD-0406-BPP0743A
fig. 22	42	53.3	15.24	17.7	19.88	SHD-0426-BPP0743A
fig. 23	48	60.9	15.24	17.7	19.88	SHD-0486-BPP0743A