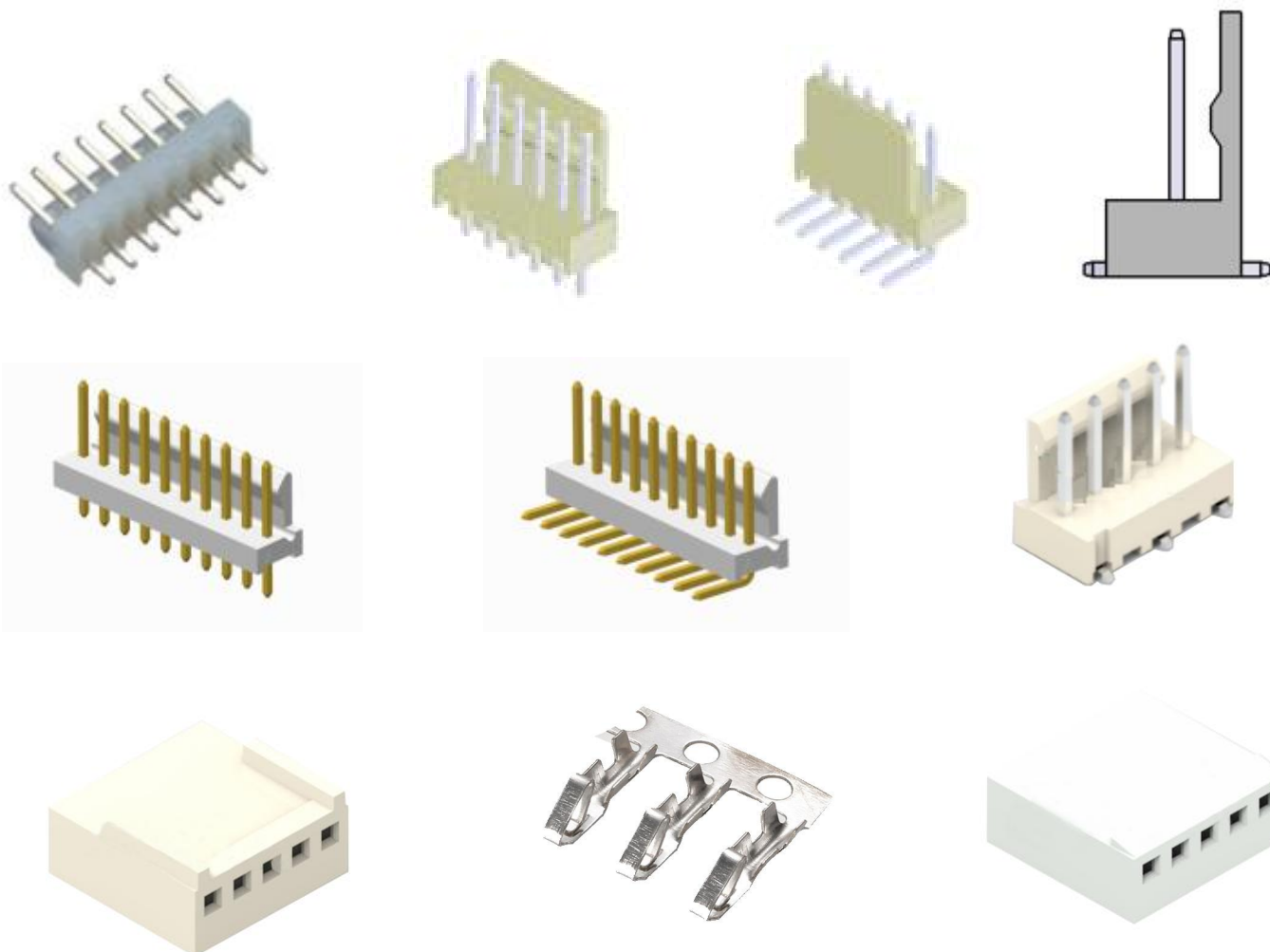


.100"(2.54mm) Pitch/Disconnectable Insulation Displacement Connectors

.100"(2.54mm) Connectors



.100" (2.54mm) Pitch SMT Wafer

Specifications:

Material And Finish:

Insulator:Nylon 66 UL94V-0

Contact:Brass

Plated:See Ordering Information

Rating:

Current Rating:3.0 Amp(22AWG)

Voltage Rating:250V AC/DC

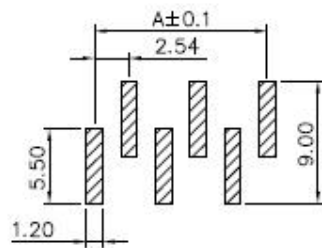
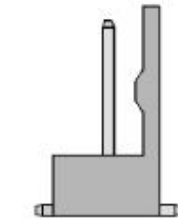
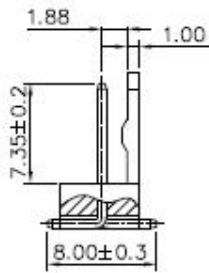
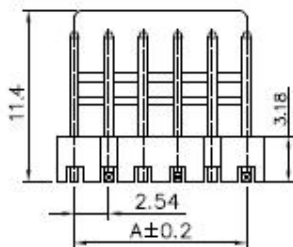
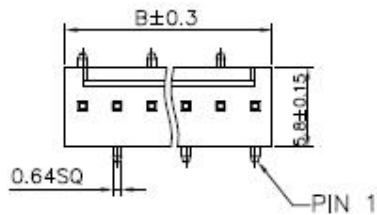
Operating Temperature Range:-40°~+105°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1000V AC/Minute



Recommended PCB Layout

Ordering Information

A2542M-XXX-01-X
1 2 3 4 5

- 1:—Series No.
2:—M:SMT Type
3:—No. of Positions
4:—A:Gold Flash
Q: Tin Plated
5:—A:In bag
B:In Tube
G:Tape&Reel

Circuits	Dimension	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80

Specifications:

Material And Finish:

Insulator:Nylon 66 UL94V-0

Contact:Brass

Plated:See Ordering Information

Rating:

Current Rating:3.0 Amp(22AWG)

Voltage Rating:250V AC/DC

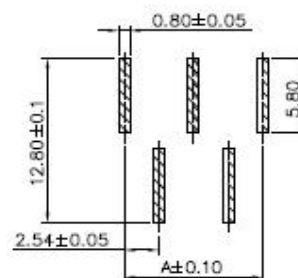
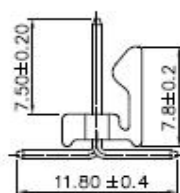
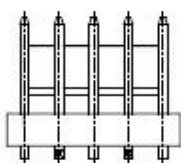
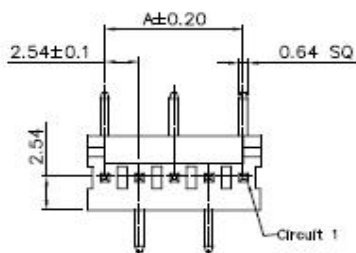
Operating Temperature Range:-40°~+105°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1000V AC/Minute



Recommended PCB Layout

Ordering Information

A2542AM-XXX-01-A
1 2 3 4 5

- 1:—Series No.
2:—M:SMT Type
3:—No. of Positions
4:—A:Gold Flash
Q: Tin Plated
5:—A:In bag

Circuits	Dimension	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80
21	50.80	53.34
22	53.34	55.88
23	55.88	58.42
24	58.42	60.96
25	60.96	63.50
26	63.50	66.04
27	66.04	68.58
28	68.58	71.12

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.100" (2.54mm) Pitch 90° Wafer

Specifications:

Material And Finish:

Insulator:Nylon 66 UL94V-0

Contact:Brass

Plated:See Ordering Information

Rating:

Current Rating:3.0 Amp(22AWG)

Voltage Rating:250V AC/DC

Operating Temperature Range:-40°~+105°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1000V AC/Minute

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Ordering Information

A2542R-XXX-XX-XA

1 2 3 4 5 6 7

1:—Series No.

2:—R:R/A Type

3:—No. of Positions

4:—A:Gold Flash

Q:Tin Plated

5:—C Size:

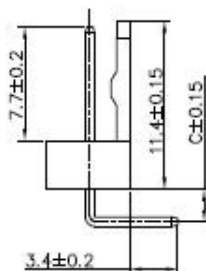
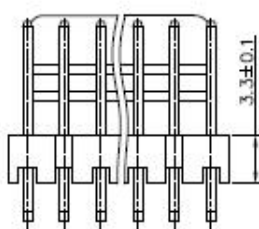
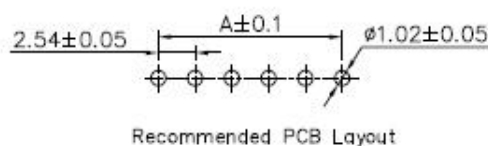
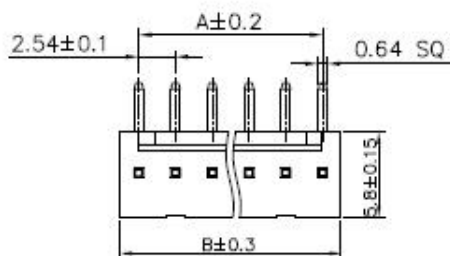
01:C=2.20mm

02:C=1.80mm

6:—N:Natural

GR:Grey

7:—A:In bag



Circuits	Dimension mm	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80

Specifications:

Material And Finish:

Insulator:Nylon 66 UL94V-0

Contact:Brass

Plated:See Ordering Information

Rating:

Current Rating:3.0 Amp(22AWG)

Voltage Rating:250V AC/DC

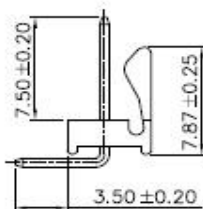
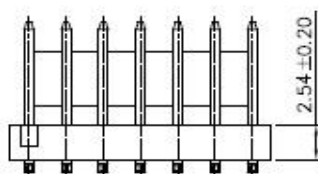
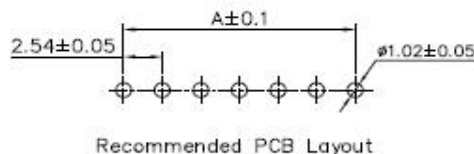
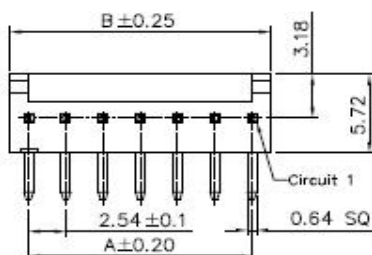
Operating Temperature Range:-40°~+105°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1000V AC/Minute



Ordering Information

A2542AR-XXX-01-A

1 2 3 4 5

1:—Series No.

2:—R:R/A Type

3:—No. of Positions

4:—A:Gold Flash

Q:Tin Plated

5:—A:In bag

Circuits	Dimension	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80
21	50.80	53.34
22	53.34	55.88
23	55.88	58.42
24	58.42	60.96
25	60.96	63.50
26	63.50	66.04
27	66.04	68.58
28	68.58	71.12

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.100" (2.54mm) Pitch 180° Wafer

Specifications:

Material And Finish:

Insulator:Nylon 66 UL94V-0

Contact:Brass

Plated:See Ordering Information

Rating:

Current Rating:3.0 Amp(22AWG)

Voltage Rating:250V AC/DC

Operating Temperature Range:-40°~+105°C

Electrical:

Contact resistance: 10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1000V AC/Minute

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Ordering Information

A2542S-XXX-XX-A

1 2 3 4 5 6

1:—Series No.

2:—S: Straight Type

3:—No. of Positions

4:—A: Gold Flash

H: Selective Gold

Plated

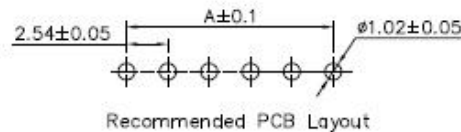
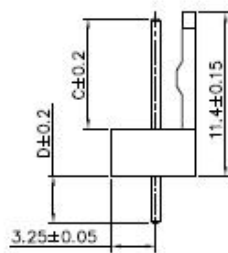
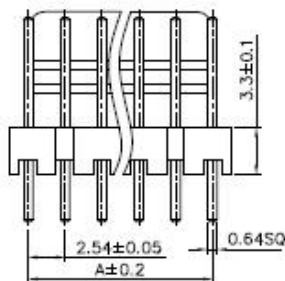
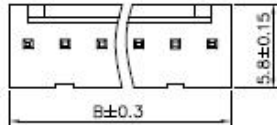
Q: Tin Plated

5:—C/D Size:

01: C=7.7mm, D=3.3mm

02: C=7.5mm, D=3.4mm

6:—A: In Bag



Circuits	Dimension mm	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80

Specifications:

Material And Finish:

Insulator:Nylon 66 UL94V-0

Contact:Brass

Plated:See Ordering Information

Rating:

Current Rating:3.0 Amp(22AWG)

Voltage Rating:250V AC/DC

Operating Temperature Range:-40°~+105°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1000V AC/Minute

Ordering Information

A2542AS-XXX-XX-A

1 2 3 4 5 6

1:—Series No.

2:—S: Straight Type

3:—No. of Positions

4:—A: Gold Flash

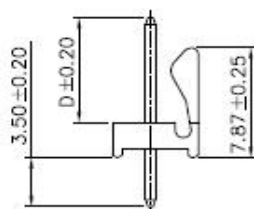
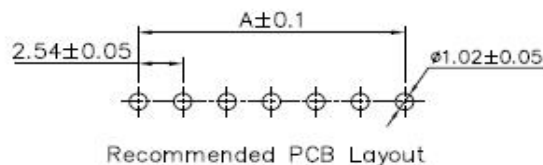
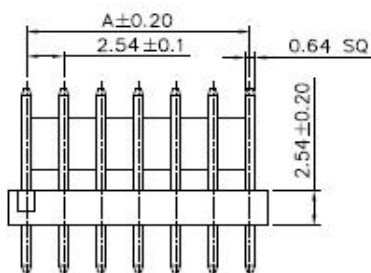
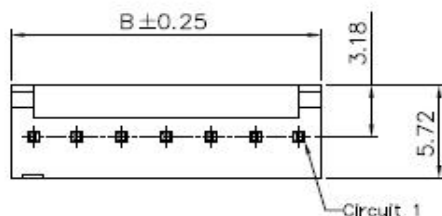
Q: Tin Plated

5:—D SIZE:

01: D=7.50mm

02: D=8.42mm

6:—A: In bag



Circuits	Dimension	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80
21	50.80	53.34
22	53.34	55.88
23	55.88	58.42
24	58.42	60.96
25	60.96	63.50
26	63.50	66.04
27	66.04	68.58
28	68.58	71.12

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.100" (2.54mm) Pitch 180° Wafer / Housing

Specifications:

Material And Finish:

Insulator:Nylon 66 UL94V-0

Contact:Brass

Plated:See Ordering Information

Rating:

Current Rating:4.0 Amp

Voltage Rating:250V AC/DC

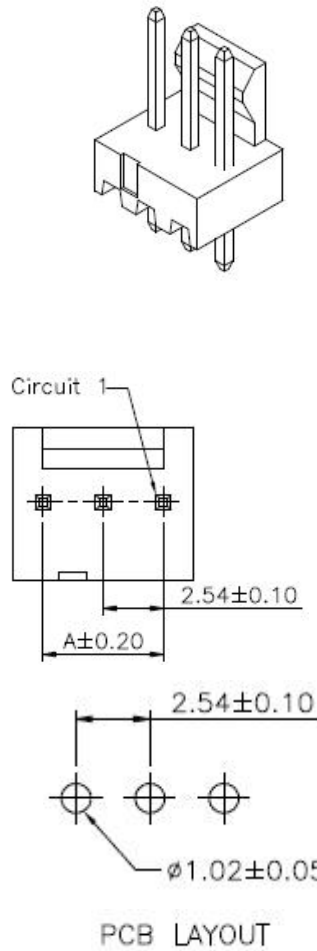
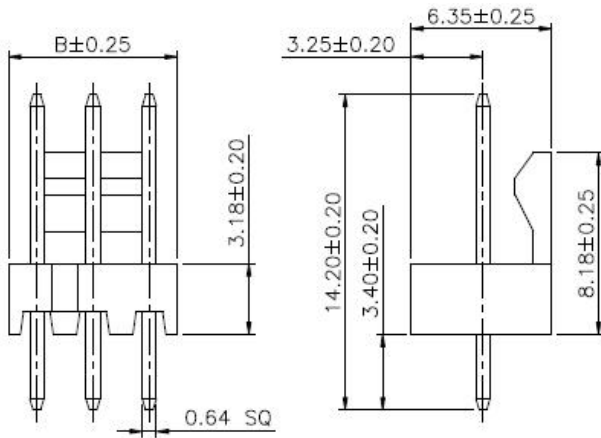
Operating Temperature Range:-25°~+85°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1000V AC/Minute



Ordering Information
A2542BS-XXX-01-X
1 2 3 4 5

- 1:— Series No.
- 2:— S: Straight Type
- 3:— No. of Positions
- 4:— A: Gold Flash
Q: Tin Plated
- 5:— A: In Bag

Circuits	Dimension mm	
	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80

Specifications:

Material And Finish:

Insulator:Nylon 66 UL94V-0

Plated:See Ordering Information

Rating:

Current Rating:3.0 Amp 22AWG

Voltage Rating:250V AC/DC

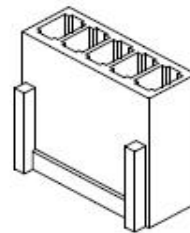
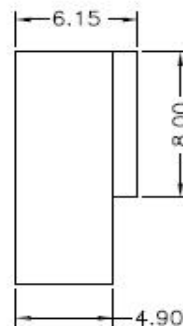
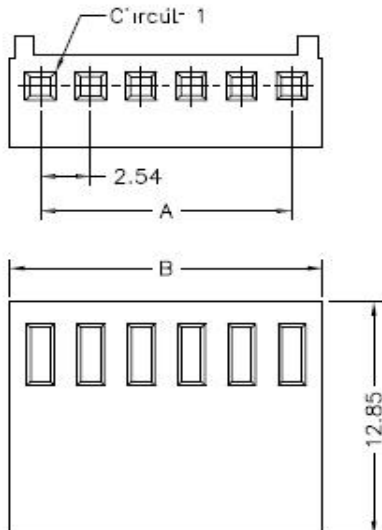
Operating Temperature Range:-40°~+105°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1000V AC/Minute



Ordering Information
H2542-XXP-01-NA
1 2 3 4

- 1:— Series No.
- 2:— No. of Positions
- 3:— N: Natural
- 4:— A: In Bag

Circuit No.	Dimensions	
	A	B
02	2.54	5.68
03	5.08	8.22
04	7.62	10.76
05	10.16	13.30
06	12.70	15.84
07	15.24	18.38
08	17.78	20.92
09	20.32	23.46
10	22.86	26.00
11	25.40	28.54
12	27.94	31.08
13	30.48	33.62
14	33.02	36.16
15	35.56	38.70
16	38.10	41.24
17	40.64	43.78
18	43.18	46.32
19	45.72	48.86
20	48.26	51.40

.100" (2.54mm) Pitch Housing / Terminal

Specifications:

Material And Finish:

Insulator:Nylon 66 UL94V-0

Plated:See Ordering Information

Rating:

Current Rating:3.0Amp 22AWG

Voltage Rating:250V AC/DC

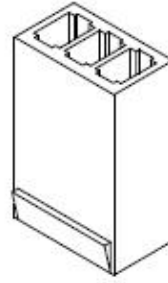
Operating Temperature Range:-40°~+105°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

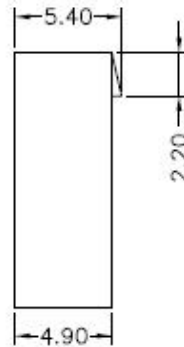
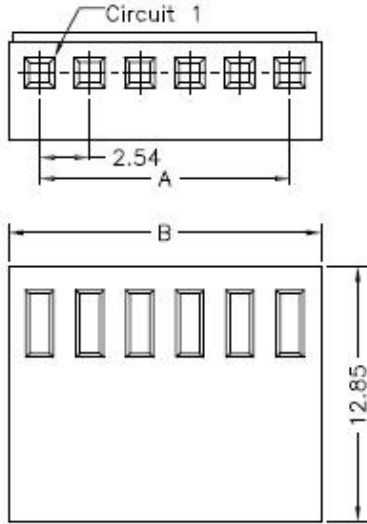
Withstanding Voltage:1000V AC/Minute



Ordering Information

H2542-XXP-02-NA
1 2 3 4

- 1:— Series No.
2:— No. of Positions
3:— N: Natural
4:— A: In Bag



Circuit No.	Dimensions	
	A	B
02	2.54	5.68
03	5.08	8.22
04	7.62	10.76
05	10.16	13.30
06	12.70	15.84
07	15.24	18.38
08	17.78	20.92
09	20.32	23.46
10	22.86	26.00
11	25.40	28.54
12	27.94	31.08
13	30.48	33.62
14	33.02	36.16
15	35.56	38.70
16	38.10	41.24
17	40.64	43.78
18	43.18	46.32
19	45.72	48.86
20	48.26	51.40

Material:

Terminal:Phosphor Bronze

Wire Range:AWG#20~28

Insulation O.D.:2.0mm/Max

Qty/Reel:8000pcs



Ordering Information

H2542T-PQ
1 2 3

- 1:— Series No.
2:— T: Terminal
3:— Plated:
Q: Tin Plated

