

### SPECIFICATIONS:

Voltage rating: 250V AC/DC

Current rating: 3A AC/DC

Withstanding Voltage: 1000V AC/minute

Insulation resistance: 1000MΩ Min.

Temperature range: -25°C To +85°C

Contact resistance: 20mΩ Max.

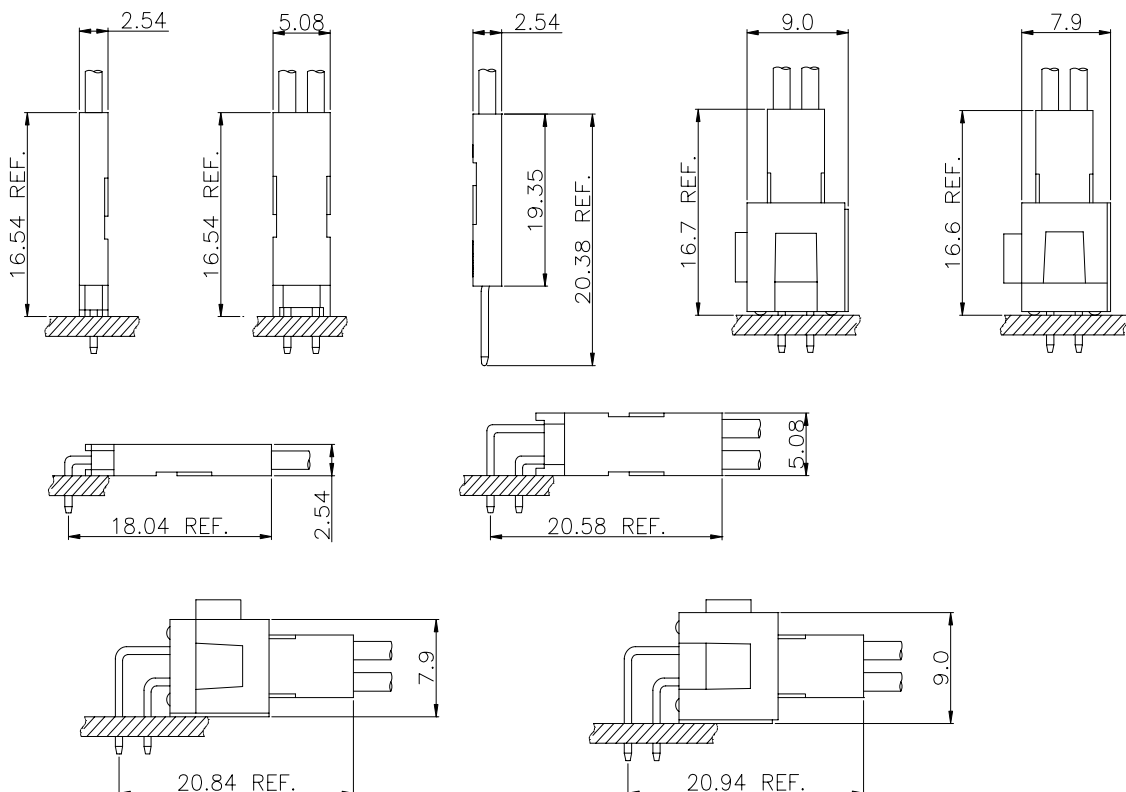
Standards

HSF



RoHS

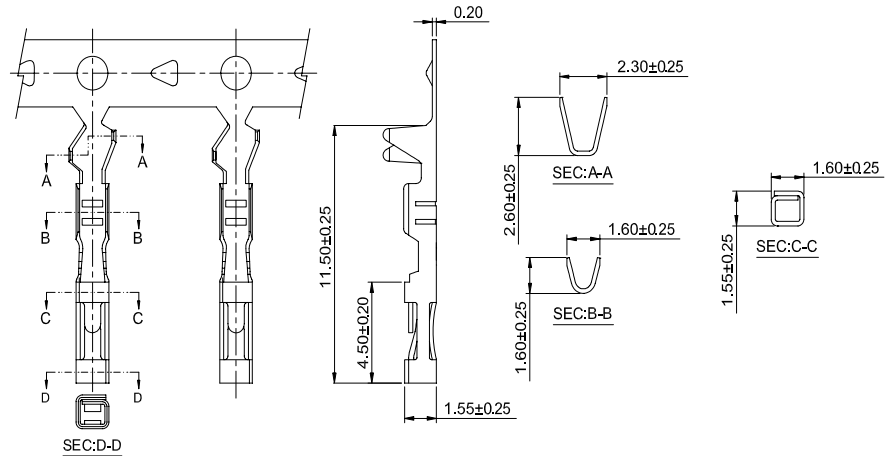
### Assembly Layout



## 2.54mm Pitch crimp terminal connector

### TERMINAL

- Part NO.:AT2541T-xP
- Applicable wire:AWG#22-#26
- Material:Brass or Phosphor Bronze
- Finish:Tin Plated or Gold
- Used in AH2541 series Housing



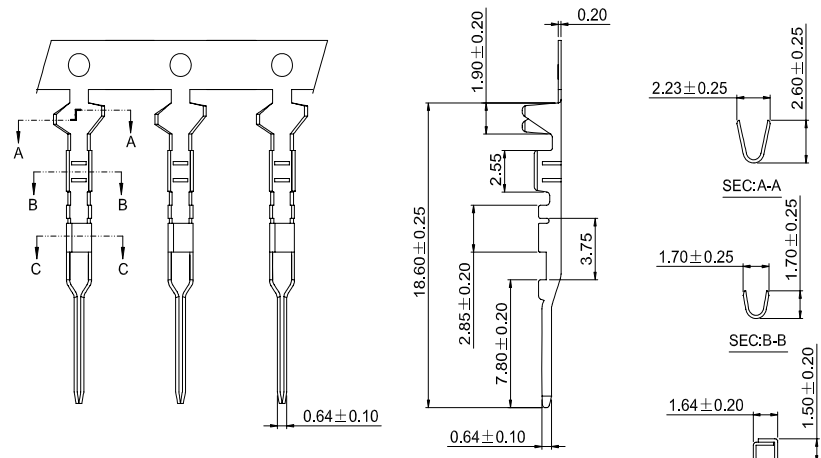
### Ordering information & Specifications

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
AT2541T-TB	AWG#22-#26	1.63mm(max)	Brass	Tin over Nickel	10,000 PCS
AT2541T-TP	AWG#22-#26	1.63mm(max)	Phosphor Bronze	Tin over Nickel	10,000 PCS
AT2541T-GB	AWG#22-#26	1.63mm(max)	Brass	Gold over Nickel	10,000 PCS
AT2541T-GP	AWG#22-#26	1.63mm(max)	Phosphor Bronze	Gold over Nickel	10,000 PCS

## 2.54mm Pitch crimp terminal connector

### TERMINAL

- Part NO.:AT2541MT-xP
- Applicable wire:AWG#22-#26
- Material:Brass or Phosphor Bronze
- Finish:Tin Plated or Gold
- Used in AH2541 series Housing



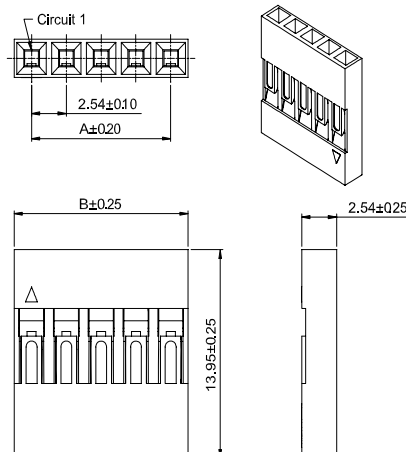
### Ordering information & Specifications

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
AT2541MT-TB	AWG#22-#26	1.63mm(max)	Brass	Tin over Nickel	10,000 PCS
AT2541MT-TP	AWG#22-#26	1.63mm(max)	Phosphor Bronze	Tin over Nickel	10,000 PCS
AT2541MT-GB	AWG#22-#26	1.63mm(max)	Brass	Gold over Nickel	10,000 PCS
AT2541MT-GP	AWG#22-#26	1.63mm(max)	Phosphor Bronze	Gold over Nickel	10,000 PCS

## 2.54mm Pitch single row housing connector

### HOUSING

- Part NO.:AH2541-xP
- Suitable:AT2541T series Terminal or AT2541MT series Terminal
- Mates with:AW2541 series Single row Pin Header
- Material:PBT,UL94V-0
- Color:Black



### Ordering Information & Dimensions:

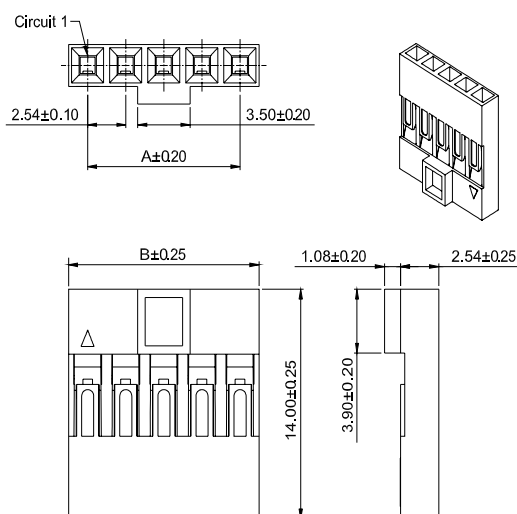
Poles	Part No.	Dimensions (mm)
01	AH2541-01P	2.54
02	AH2541-02P	2.54 5.08
03	AH2541-03P	5.08 7.62
04	AH2541-04P	7.62 10.16
05	AH2541-05P	10.16 12.70
06	AH2541-06P	12.70 15.24
07	AH2541-07P	15.24 17.78
08	AH2541-08P	17.78 20.32
09	AH2541-09P	20.32 22.86
10	AH2541-10P	22.86 25.40
11	AH2541-11P	25.40 27.94
12	AH2541-12P	27.94 30.48
13	AH2541-13P	30.48 33.02
14	AH2541-14P	33.02 35.56
15	AH2541-15P	35.56 38.10
16	AH2541-16P	38.10 40.64
17	AH2541-17P	40.64 43.18
18	AH2541-18P	43.18 45.72
19	AH2541-19P	45.72 48.26
20	AH2541-20P	48.26 50.80
21	AH2541-21P	50.80 53.34
22	AH2541-22P	53.34 55.88
23	AH2541-23P	55.88 58.42
24	AH2541-24P	58.42 60.96
25	AH2541-25P	60.96 63.50
26	AH2541-26P	63.50 66.04
27	AH2541-27P	66.04 68.58
28	AH2541-28P	68.58 71.12
29	AH2541-29P	71.12 73.66
30	AH2541-30P	73.66 76.20
31	AH2541-31P	76.20 78.74
32	AH2541-32P	78.74 81.28
33	AH2541-33P	81.28 83.82
34	AH2541-34P	83.82 86.36
35	AH2541-35P	86.36 88.90
36	AH2541-36P	88.90 91.44
37	AH2541-37P	91.44 93.98
38	AH2541-38P	93.98 96.52
39	AH2541-39P	96.52 99.06
40	AH2541-40P	99.06 101.60

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## 2.54mm Pitch single row housing connector

### HOUSING

- Part NO.:AH2541-N-xP
- Suitable:AT2541T series Terminal
- Mates with:AW2541 series Single row Pin Header
- Material:PBT,UL94V-0
- Color:Black



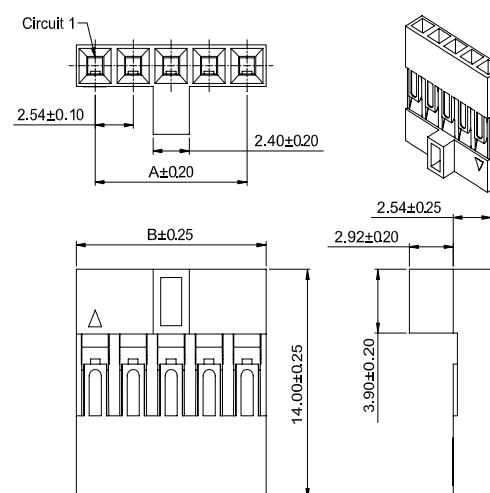
### Ordering Information & Dimensions:

Poles	Part No.	Dimensions(mm)	
		A	B
02	AH2541-N-02P	2.54	5.14
03	AH2541-N-03P	5.08	7.68
04	AH2541-N-04P	7.62	10.22
05	AH2541-N-05P	10.16	12.76
06	AH2541-N-06P	12.70	15.30
07	AH2541-N-07P	15.24	17.84
08	AH2541-N-08P	17.78	20.38
09	AH2541-N-09P	20.32	22.92
10	AH2541-N-10P	22.86	25.46
11	AH2541-N-11P	25.40	28.00
12	AH2541-N-12P	27.94	30.54
13	AH2541-N-13P	30.48	33.08
14	AH2541-N-14P	33.02	35.62
15	AH2541-N-15P	35.56	38.16
16	AH2541-N-16P	38.10	40.72
17	AH2541-N-17P	40.64	43.24
18	AH2541-N-18P	43.18	45.78
19	AH2541-N-19P	45.72	48.34
20	AH2541-N-20P	48.26	50.88
21	AH2541-N-21P	50.80	53.34
22	AH2541-N-22P	53.34	55.88
23	AH2541-N-23P	55.88	58.42
24	AH2541-N-24P	58.42	60.96
25	AH2541-N-25P	60.96	63.50
26	AH2541-N-26P	63.50	66.04
27	AH2541-N-27P	66.04	68.58
28	AH2541-N-28P	68.58	71.12
29	AH2541-N-29P	71.12	73.66
30	AH2541-N-30P	73.66	76.20
31	AH2541-N-31P	76.20	78.74
32	AH2541-N-32P	78.74	81.28
33	AH2541-N-33P	81.28	83.82
34	AH2541-N-34P	83.82	86.36
35	AH2541-N-35P	86.36	88.90
36	AH2541-N-36P	88.90	91.44
37	AH2541-N-37P	91.44	93.98
38	AH2541-N-38P	93.98	96.52
39	AH2541-N-39P	96.52	99.06
40	AH2541-N-40P	99.06	101.60

## 2.54mm Pitch single row housing connector

### HOUSING

- Part NO.:AH2541-N-xP-2
- Suitable:AT2541T series Terminal
- Mates with:AW2541 series Single row Pin Header
- Material:PBT,UL94V-0
- Color:Black



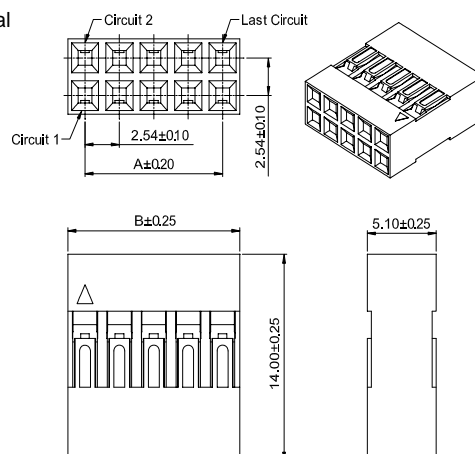
### Ordering Information & Dimensions:

Poles	Part No.	Dimensions(mm)	
		A	B
02	AH2541-N-02P-2	2.54	5.14
03	AH2541-N-03P-2	5.08	7.68
04	AH2541-N-04P-2	7.62	10.22
05	AH2541-N-05P-2	10.16	12.76
06	AH2541-N-06P-2	12.70	15.30
07	AH2541-N-07P-2	15.24	17.84
08	AH2541-N-08P-2	17.78	20.38
09	AH2541-N-09P-2	20.32	22.92
10	AH2541-N-10P-2	22.86	25.46
11	AH2541-N-11P-2	25.40	28.00
12	AH2541-N-12P-2	27.94	30.54
13	AH2541-N-13P-2	30.48	33.08
14	AH2541-N-14P-2	33.02	35.62
15	AH2541-N-15P-2	35.56	38.16
16	AH2541-N-16P-2	38.10	40.72
17	AH2541-N-17P-2	40.64	43.24
18	AH2541-N-18P-2	43.18	45.78
19	AH2541-N-19P-2	45.72	48.34
20	AH2541-N-20P-2	48.26	50.88
21	AH2541-N-21P-2	50.80	53.34
22	AH2541-N-22P-2	53.34	55.88
23	AH2541-N-23P-2	55.88	58.42
24	AH2541-N-24P-2	58.42	60.96
25	AH2541-N-25P-2	60.96	63.50
26	AH2541-N-26P-2	63.50	66.04
27	AH2541-N-27P-2	66.04	68.58
28	AH2541-N-28P-2	68.58	71.12
29	AH2541-N-29P-2	71.12	73.66
30	AH2541-N-30P-2	73.66	76.20
31	AH2541-N-31P-2	76.20	78.74
32	AH2541-N-32P-2	78.74	81.28
33	AH2541-N-33P-2	81.28	83.82
34	AH2541-N-34P-2	83.82	86.36
35	AH2541-N-35P-2	86.36	88.90
36	AH2541-N-36P-2	88.90	91.44
37	AH2541-N-37P-2	91.44	93.98
38	AH2541-N-38P-2	93.98	96.52
39	AH2541-N-39P-2	96.52	99.06
40	AH2541-N-40P-2	99.06	101.60

## 2.54mm Pitch dual row housing connector

### HOUSING

- Part NO.:AH2541-2xNP
- Suitable:AT2541T series Terminal or AT2541MT series Terminal
- Mates with:AW2541 series Dual row Pin Header
- Material:PBT15%GF,UL94V-0
- Color:Black



### Ordering Information & Dimensions:

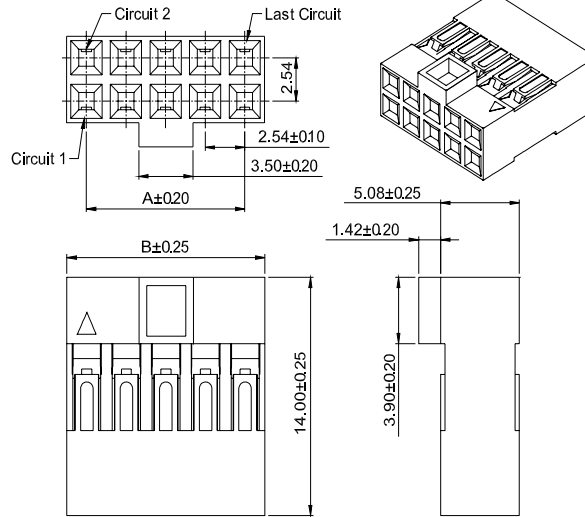
Poles	Part No.	Dimensions(mm)	
		A	B
04	AH2541-2x04P	2.54	5.08
06	AH2541-2x06P	5.08	7.62
08	AH2541-2x08P	7.62	10.16
10	AH2541-2x10P	10.16	12.70
12	AH2541-2x12P	12.70	15.24
14	AH2541-2x14P	15.24	17.78
16	AH2541-2x16P	17.78	20.32
18	AH2541-2x18P	20.32	22.86
20	AH2541-2x20P	22.86	25.40
22	AH2541-2x22P	25.40	27.94
24	AH2541-2x24P	27.94	30.48
26	AH2541-2x26P	30.48	33.02
28	AH2541-2x28P	33.02	35.56
30	AH2541-2x30P	35.56	38.10
32	AH2541-2x32P	38.10	40.64
34	AH2541-2x34P	40.64	43.18
36	AH2541-2x36P	43.18	45.72
38	AH2541-2x38P	45.72	48.26
40	AH2541-2x40P	48.26	50.80
42	AH2541-2x42P	50.80	53.34
44	AH2541-2x44P	53.34	55.88
46	AH2541-2x46P	55.88	58.42
48	AH2541-2x48P	58.42	60.96
50	AH2541-2x50P	60.96	63.50
52	AH2541-2x52P	63.50	66.04
54	AH2541-2x54P	66.04	68.58
56	AH2541-2x56P	68.58	71.12
58	AH2541-2x58P	71.12	73.66
60	AH2541-2x60P	73.66	76.20
62	AH2541-2x62P	76.20	78.74
64	AH2541-2x64P	78.74	81.28
66	AH2541-2x66P	81.28	83.82
68	AH2541-2x68P	83.82	86.36
70	AH2541-2x70P	86.36	88.90
72	AH2541-2x72P	88.90	91.44
74	AH2541-2x74P	91.44	93.98
76	AH2541-2x76P	93.98	96.52
78	AH2541-2x78P	96.52	99.06
80	AH2541-2x80P	99.06	101.60

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## 2.54mm Pitch dual row housing connector

### HOUSING

- Part NO.:AH2541-N-2xNP
- Suitable:AT2541T series Terminal
- Mates with:AW2541 series Dual row Pin Header or AW2541 series dual row BOX Header
- Material:PBT15%GF,UL94V-0
- Color:Black



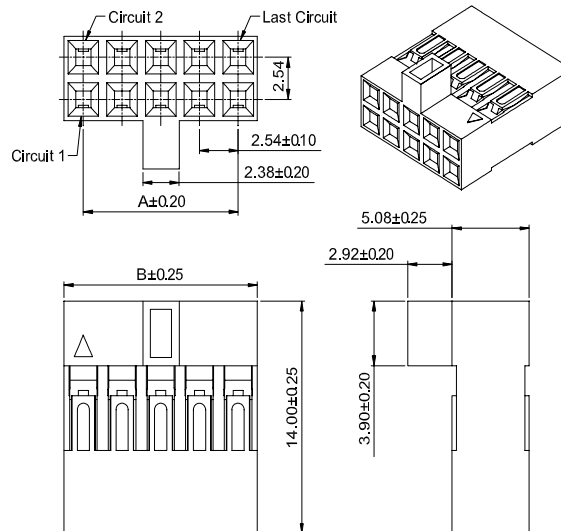
### Ordering Information & Dimensions:

Poles	Part No.	Dimensions(mm)
04	AH2541-N-2x2P	2.54 5.08
06	AH2541-N-2x3P	5.08 7.62
08	AH2541-N-2x4P	7.62 10.16
10	AH2541-N-2x5P	10.16 12.70
12	AH2541-N-2x6P	12.70 15.24
14	AH2541-N-2x7P	15.24 17.78
16	AH2541-N-2x8P	17.78 20.32
18	AH2541-N-2x9P	20.32 22.86
20	AH2541-N-2x10P	22.86 25.40
22	AH2541-N-2x11P	25.40 27.94
24	AH2541-N-2x12P	27.94 30.48
26	AH2541-N-2x13P	30.48 33.02
28	AH2541-N-2x14P	33.02 35.56
30	AH2541-N-2x15P	35.56 38.10
32	AH2541-N-2x16P	38.10 40.64
34	AH2541-N-2x17P	40.64 43.18
36	AH2541-N-2x18P	43.18 45.72
38	AH2541-N-2x19P	45.72 48.26
40	AH2541-N-2x20P	48.26 50.80
42	AH2541-N-2x21P	50.80 53.34
44	AH2541-N-2x22P	53.34 55.88
46	AH2541-N-2x23P	55.88 58.42
48	AH2541-N-2x24P	58.42 60.96
50	AH2541-N-2x25P	60.96 63.50
52	AH2541-N-2x26P	63.50 66.04
54	AH2541-N-2x27P	66.04 68.58
56	AH2541-N-2x28P	68.58 71.12
58	AH2541-N-2x29P	71.12 73.66
60	AH2541-N-2x30P	73.66 76.20
62	AH2541-N-2x31P	76.20 78.74
64	AH2541-N-2x32P	78.74 81.28
66	AH2541-N-2x33P	81.28 83.82
68	AH2541-N-2x34P	83.82 86.36
70	AH2541-N-2x35P	86.36 88.90
72	AH2541-N-2x36P	88.90 91.44
74	AH2541-N-2x37P	91.44 93.98
76	AH2541-N-2x38P	93.98 96.52
78	AH2541-N-2x39P	96.52 99.06
80	AH2541-N-2x40P	99.06 101.60

## 2.54mm Pitch dual row housing connector

### HOUSING

- Part NO.:AH2541-N-2xNP-2
- Suitable:AT2541T series Terminal
- Mates with:AW2541 series Dual row Pin Header or AW2541 series dual row BOX Header
- Material:PBT15%GF,UL94V-0
- Color:Black



### Ordering Information & Dimensions:

Poles	Part No.	Dimensions(mm)
04	AH2541-N-2x2P-2	2.54 5.08
06	AH2541-N-2x3P-2	5.08 7.62
08	AH2541-N-2x4P-2	7.62 10.16
10	AH2541-N-2x5P-2	10.16 12.70
12	AH2541-N-2x6P-2	12.70 15.24
14	AH2541-N-2x7P-2	15.24 17.78
16	AH2541-N-2x8P-2	17.78 20.32
18	AH2541-N-2x9P-2	20.32 22.86
20	AH2541-N-2x10P-2	22.86 25.40
22	AH2541-N-2x11P-2	25.40 27.94
24	AH2541-N-2x12P-2	27.94 30.48
26	AH2541-N-2x13P-2	30.48 33.02
28	AH2541-N-2x14P-2	33.02 35.56
30	AH2541-N-2x15P-2	35.56 38.10
32	AH2541-N-2x16P-2	38.10 40.64
34	AH2541-N-2x17P-2	40.64 43.18
36	AH2541-N-2x18P-2	43.18 45.72
38	AH2541-N-2x19P-2	45.72 48.26
40	AH2541-N-2x20P-2	48.26 50.80
42	AH2541-N-2x21P-2	50.80 53.34
44	AH2541-N-2x22P-2	53.34 55.88
46	AH2541-N-2x23P-2	55.88 58.42
48	AH2541-N-2x24P-2	58.42 60.96
50	AH2541-N-2x25P-2	60.96 63.50
52	AH2541-N-2x26P-2	63.50 66.04
54	AH2541-N-2x27P-2	66.04 68.58
56	AH2541-N-2x28P-2	68.58 71.12
58	AH2541-N-2x29P-2	71.12 73.66
60	AH2541-N-2x30P-2	73.66 76.20
62	AH2541-N-2x31P-2	76.20 78.74
64	AH2541-N-2x32P-2	78.74 81.28
66	AH2541-N-2x33P-2	81.28 83.82
68	AH2541-N-2x34P-2	83.82 86.36
70	AH2541-N-2x35P-2	86.36 88.90
72	AH2541-N-2x36P-2	88.90 91.44
74	AH2541-N-2x37P-2	91.44 93.98
76	AH2541-N-2x38P-2	93.98 96.52
78	AH2541-N-2x39P-2	96.52 99.06
80	AH2541-N-2x40P-2	99.06 101.60