



ALEX

# .100" (2.54mm) Single Row Crimp Connector System

## Specifications:

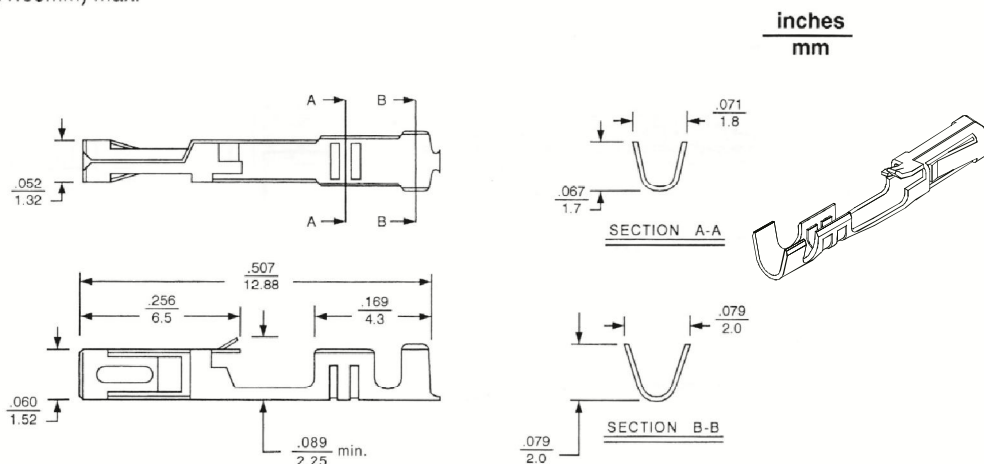
- Current Rating: 3A AC, DC
- Dielectric Withstanding Voltage: 600V (R.M.S.) AC/minute
- Contact Resistance: 15 mΩ max.
- Insulation Resistance: 10000MΩ
- Ambient Temperature Range: -40°C ~ 105°C (including temperature rise)
- UL File No.: E114003

## 9558T Series Box Female Crimp Terminal

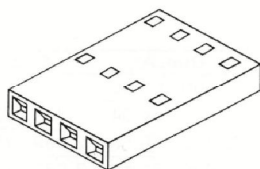
- Used in ALEX 9566-xx, 4802 housings
- Wire Range: AWG #22 ~ #24
- Finished: Tin-plated
- Material: Phosphor Bronze or Brass
- Dual beam, fully enclosed box contact with locking lance
- Insulation O.D.: .064" (φ1.63mm) max.

## Ordering Information:

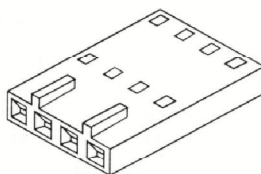
Part No.	Material	Thickness	Q'ty/Reel
9558T	Brass	0.2mm	10000PCS
9558TP	Phosphor bronze		



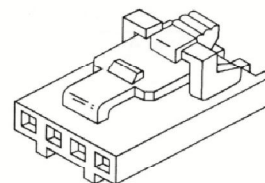
## 9566-xx Series



"A" Version  
9566-xxA



"C" Version  
9566-xxC



"G" Version  
9566-xxG

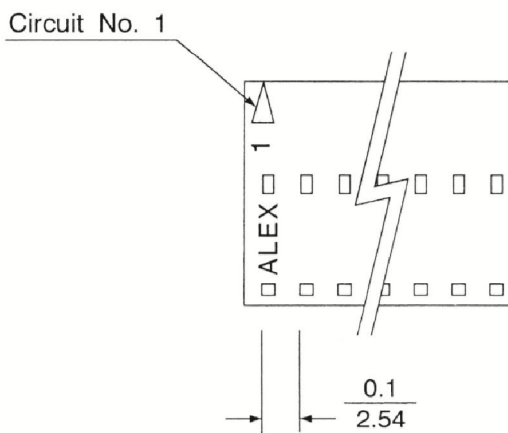
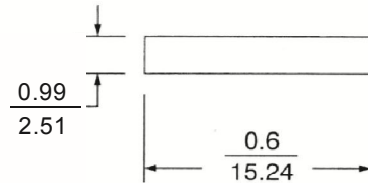
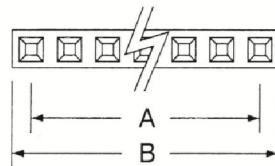
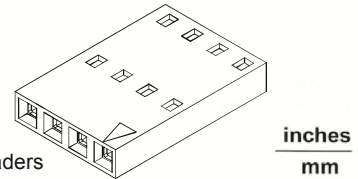


ALEX

# .100" (2.54mm) Single Row Crimp Connector Housings

## 9566-xx Series "A" Version, Non-polarized

- 2 ~ 25 circuits available
- Material: UL 94V-0 nylon 66
- For use with ALEX 9558T terminal
- Standard color: Black
- Mates with ALEX 9567-xx housing
- Mates with ALEX 6502, 6503, 6504, 9543, 9553, 9543-xxP-LCP, 9553-xxP-LCP headers
- Mates with ALEX K-254-x key



### Dimensional Information - in ( mm )

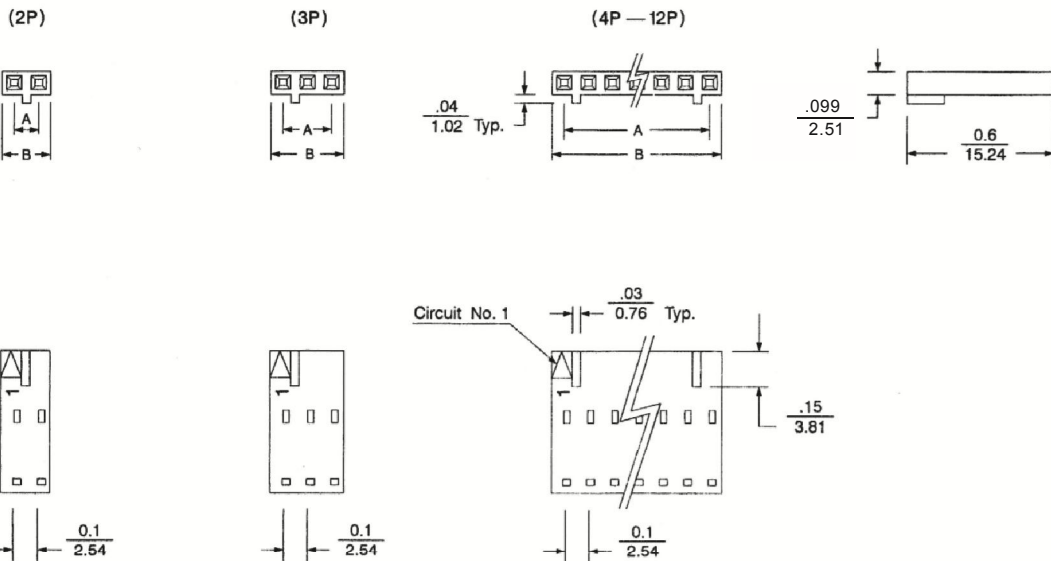
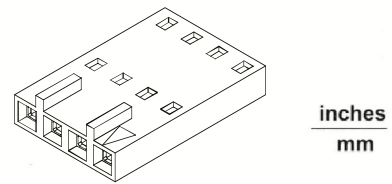
Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	0.100 ( 2.54)	0.199 ( 5.05)	10	0.900 (22.86)	0.999 (25.37)	18	1.700 (43.18)	1.799 (45.69)
3	0.200 ( 5.08)	0.299 ( 7.59)	11	1.000 (25.40)	1.099 (27.91)	19	1.800 (45.72)	1.899 (48.23)
4	0.300 ( 7.62)	0.399 (10.13)	12	1.100 (27.94)	1.199 (30.45)	20	1.900 (48.26)	1.999 (50.77)
5	0.400 (10.16)	0.499 (12.67)	13	1.200 (30.48)	1.299 (33.00)	21	2.000 (50.80)	2.099 (53.31)
6	0.500 (12.70)	0.599 (15.21)	14	1.300 (33.02)	1.399 (35.53)	22	2.100 (53.34)	2.199 (55.85)
7	0.600 (15.24)	0.699 (17.75)	15	1.400 (35.56)	1.499 (38.07)	23	2.200 (55.88)	2.299 (58.39)
8	0.700 (17.78)	0.799 (20.29)	16	1.500 (38.10)	1.599 (40.61)	24	2.300 (58.42)	2.399 (60.93)
9	0.800 (20.32)	0.899 (22.83)	17	1.600 (40.64)	1.699 (43.15)	25	2.400 (60.96)	2.499 (63.47)



# .100" (2.54mm) Single Row Crimp Connector Housings

## 9566-xx Series "C" Version

- 2 ~ 25 circuits available
- Material: UL, 94V-0 nylon 66
- For use with ALEX 9558T terminal
- Standard color: Black
- Mates with ALEX 9567-xx housing
- Mates with ALEX 9543, 9543-xxP-LCP, 9553-xxP-LCP headers
- Mates with ALEX K-254-x key



### Dimensional Information - in ( mm )

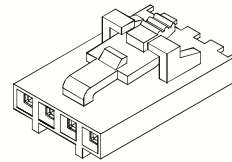
Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	0.100 ( 2.54)	0.199 ( 5.05)	10	0.900 (22.86)	0.999 (25.37)	18	1.700 (43.18)	1.799 (45.69)
3	0.200 ( 5.08)	0.299 ( 7.59)	11	1.000 (25.40)	1.099 (27.91)	19	1.800 (45.72)	1.899 (48.23)
4	0.300 ( 7.62)	0.399 (10.13)	12	1.100 (27.94)	1.199 (30.45)	20	1.900 (48.26)	1.999 (50.77)
5	0.400 (10.16)	0.499 (12.67)	13	1.200 (30.48)	1.299 (33.00)	21	2.000 (50.80)	2.099 (53.31)
6	0.500 (12.70)	0.599 (15.21)	14	1.300 (33.02)	1.399 (35.53)	22	2.100 (53.34)	2.199 (55.85)
7	0.600 (15.24)	0.699 (17.75)	15	1.400 (35.56)	1.499 (38.07)	23	2.200 (55.88)	2.299 (58.39)
8	0.700 (17.78)	0.799 (20.29)	16	1.500 (38.10)	1.599 (40.61)	24	2.300 (58.42)	2.399 (60.93)
9	0.800 (20.32)	0.899 (22.83)	17	1.600 (40.64)	1.699 (43.15)	25	2.400 (60.96)	2.499 (63.47)



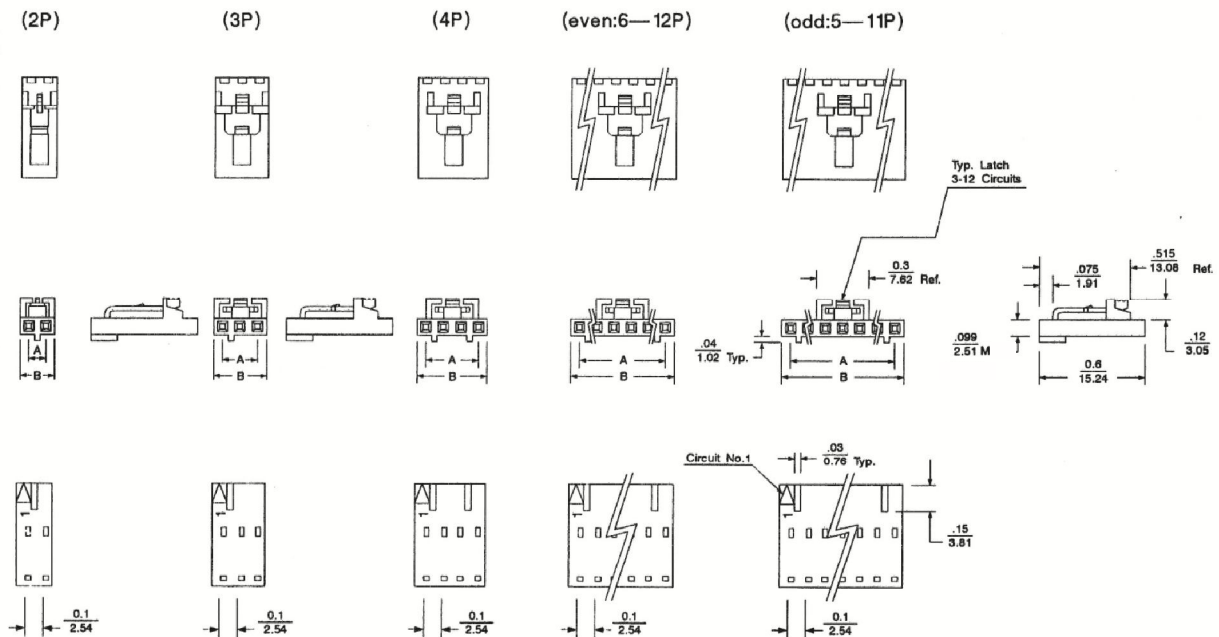
# .100" (2.54mm) Single Row Crimp Connector Housings

## 9566-xx Series "G" Version

- 2 ~ 25 circuits available
- Material: UL 94V-0 nylon 66
- For use with ALEX 9558T terminal
- Standard color: Black
- Mates with ALEX 9567-xx housing
- Mates with ALEX 9543, 9553, 9543-xxP-LCP, 9553-xxP-LCP headers
- Mates with ALEX K-254-x key
- Anti-entanglement / overstress ribs prevent discrete wires from catching under latch during harness manufacturing and storage
- Positive latch secures the housing into mating part
- Front ribs prevent contact damage when unmating the connector from a header. The housing can't be twisted off pins



inches  
mm



### Dimensional Information - in ( mm )

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	0.100 ( 2.54)	0.199 ( 5.05)	10	0.900 (22.86)	0.999 (25.37)	18	1.700 (43.18)	1.799 (45.69)
3	0.200 ( 5.08)	0.299 ( 7.59)	11	1.000 (25.40)	1.099 (27.91)	19	1.800 (45.72)	1.899 (48.23)
4	0.300 ( 7.62)	0.399 (10.13)	12	1.100 (27.94)	1.199 (30.45)	20	1.900 (48.26)	1.999 (50.77)
5	0.400 (10.16)	0.499 (12.67)	13	1.200 (30.48)	1.299 (33.00)	21	2.000 (50.80)	2.099 (53.31)
6	0.500 (12.70)	0.599 (15.21)	14	1.300 (33.02)	1.399 (35.53)	22	2.100 (53.34)	2.199 (55.85)
7	0.600 (15.24)	0.699 (17.75)	15	1.400 (35.56)	1.499 (38.07)	23	2.200 (55.88)	2.299 (58.39)
8	0.700 (17.78)	0.799 (20.29)	16	1.500 (38.10)	1.599 (40.61)	24	2.300 (58.42)	2.399 (60.93)
9	0.800 (20.32)	0.899 (22.83)	17	1.600 (40.64)	1.699 (43.15)	25	2.400 (60.96)	2.499 (63.47)

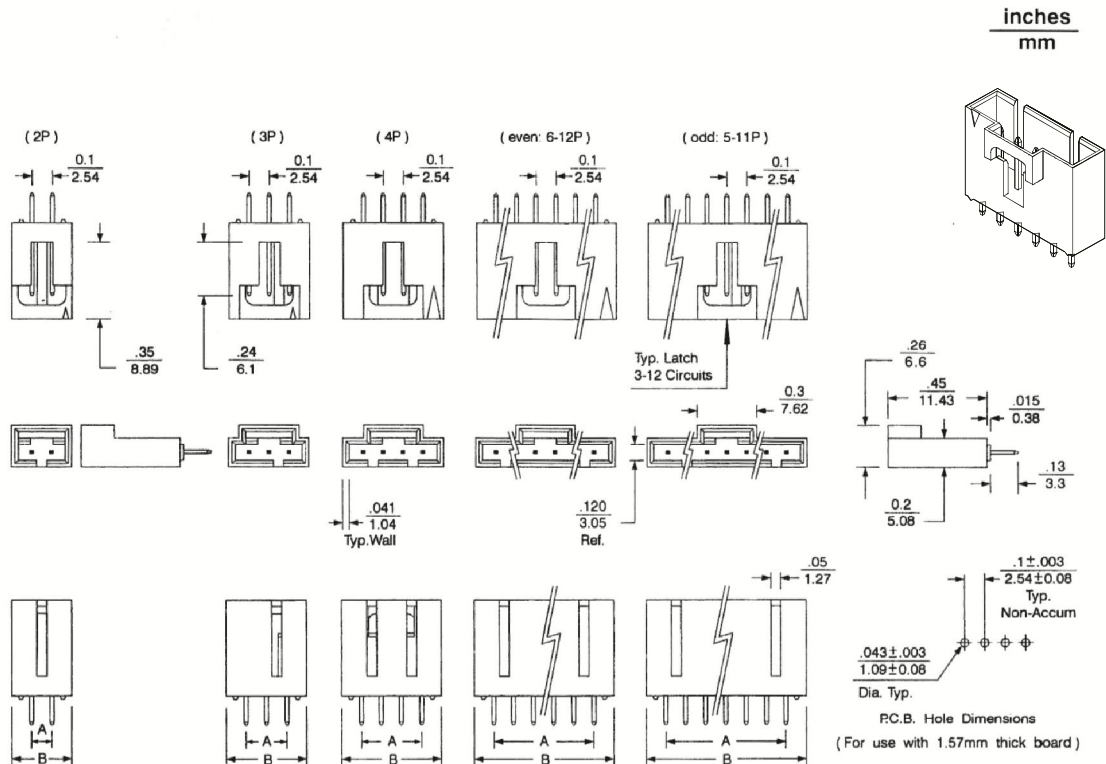


# .100" (2.54mm) Single Row Pocket Straight Header

## 9543-N Series Straight Header

- 2 ~ 12 circuits available
- Material: PBT , UL 94V-0
- .025" (0.64mm) square wire pins (Tin-Plated brass)
- Standard Color: Black
- Mates with ALEX 9566-xx, 9566-xxx-1 housings

- Loaded in plastic tubes to allow for robotic insertion into P.C. boards
- Polarization slots
- Positive latch retains connector after mating
- Standoffs minimize flux retention



### Dimensional Information - in. (mm)

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	.100 ( 2.54)	.300 ( 7.62)	8	.700 (17.78)	.900 (22.86)
3	.200 ( 5.08)	.400 (10.16)	9	.800 (20.32)	1.000 (25.40)
4	.300 ( 7.62)	.500 (12.70)	10	.900 (22.86)	1.100 (27.94)
5	.400 (10.16)	.600 (15.24)	11	1.000 (25.40)	1.200 (30.48)
6	.500 (12.70)	.700 (17.78)	12	1.100 (27.94)	1.300 (33.02)
7	.600 (15.24)	.800 (20.32)			

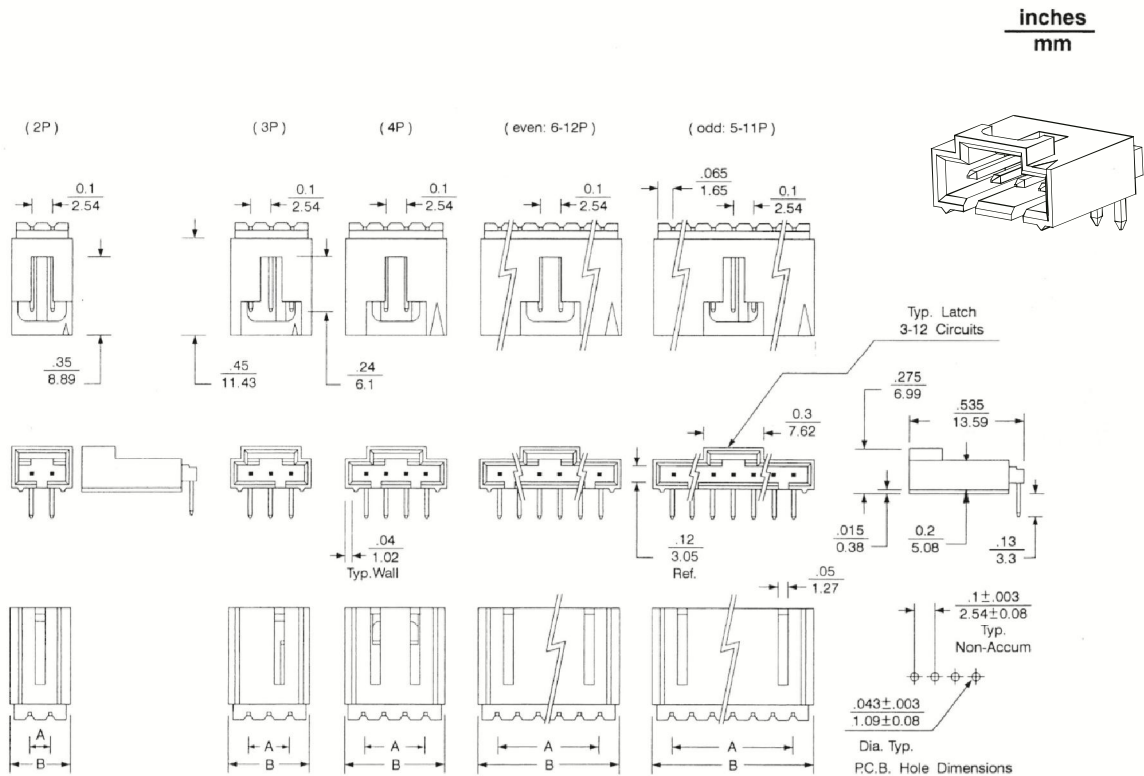


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# .100" (2.54mm) Pocket Low Profile Right Angle Header

## 9553-N Series Right Angle Header

- 2 ~ 12 circuits available
- Material: PBT, UL 94V-0
- .025" (0.64mm) square wire pins (Tin-Plated brass)
- Standard Color: Black
- Mates with ALEX 9566-xx, 9566-xxx-1 housings
- Loaded in plastic tubes to allow for robotic insertion into P.C. boards
- Polarization slots
- Positive latch retains connector after mating
- Standoffs minimize flux retention



### Dimensional Information - in. (mm)

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	.100 ( 2.54)	.300 ( 7.62)	8	.700 (17.78)	.900 (22.86)
3	.200 ( 5.08)	.400 (10.16)	9	.800 (20.32)	1.000 (25.40)
4	.300 ( 7.62)	.500 (12.70)	10	.900 (22.86)	1.100 (27.94)
5	.400 (10.16)	.600 (15.24)	11	1.000 (25.40)	1.200 (30.48)
6	.500 (12.70)	.700 (17.78)	12	1.100 (27.94)	1.300 (33.02)
7	.600 (15.24)	.800 (20.32)			



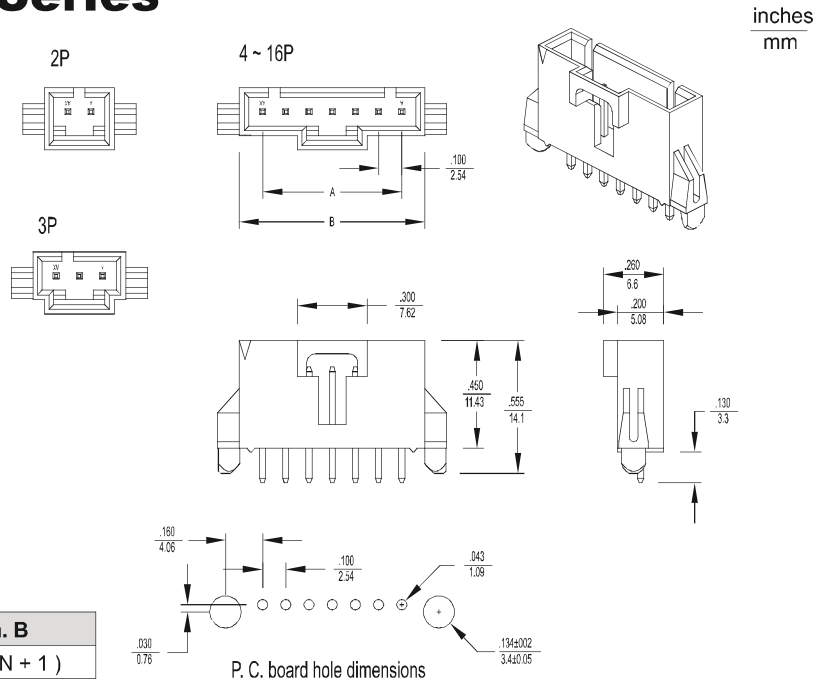
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# .100"(2.54mm) Vertical / Right Angle Header

## 9543-xxP-LCP Series

### Vertical Header

- 2 ~ 16 circuits available
- Material: LCP
- Tin-plated brass pin
- .025"(0.64mm) square pin
- Mates with ALEX 9566-xx housing



### Dimensional Information ( mm )

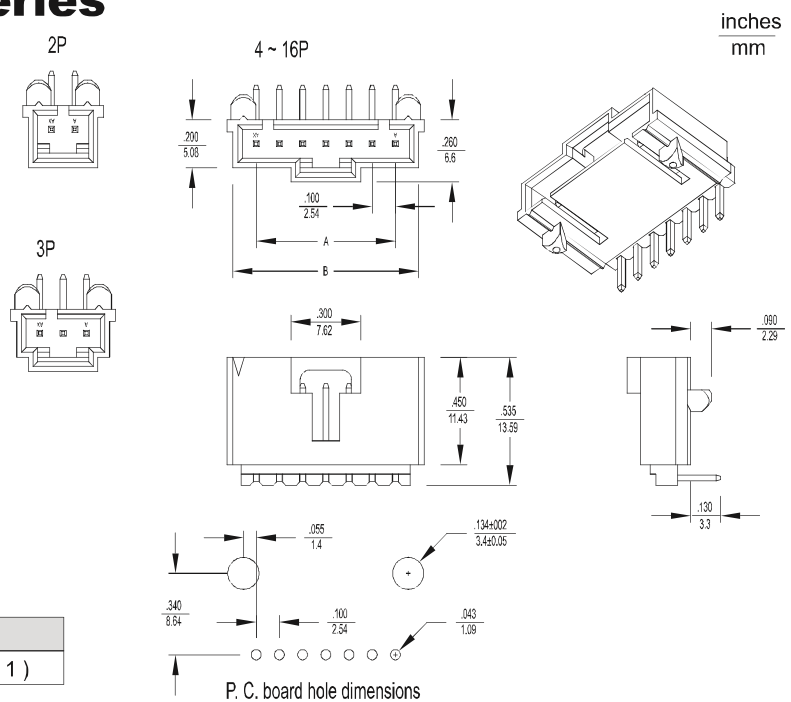
Circuits	Dim. A	Dim. B
N	2.54 x ( N - 1 )	2.54 x ( N + 1 )

&& N = 2 ~ 16

## 9553-xxP-LCP Series

### Right Angle Header

- 2 ~ 16 circuits available
- Material: LCP
- Tin-plated brass pin
- .025"(0.64mm) square pin
- Mates with ALEX 9566-xx housing



### Dimensional Information ( mm )

Circuits	Dim. A	Dim. B
N	2.54 x ( N - 1 )	2.54 x ( N + 1 )

&& N = 2 ~ 16