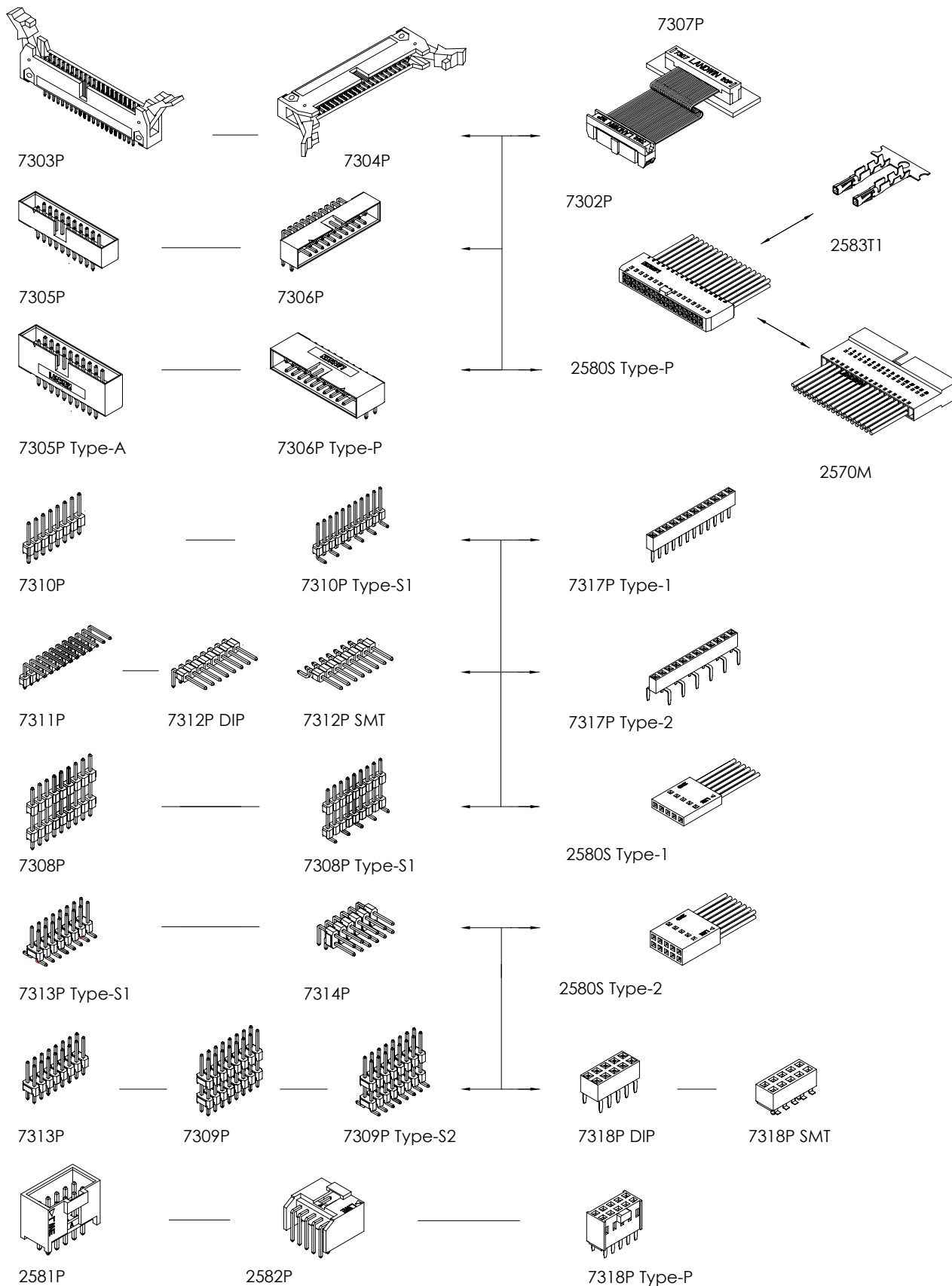


2.54 Pitch SERIES



2.54 mm Pitch PCB Connectors – Standard Application

RoHS REACH LF HFA



2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Ribbon Cable Connector



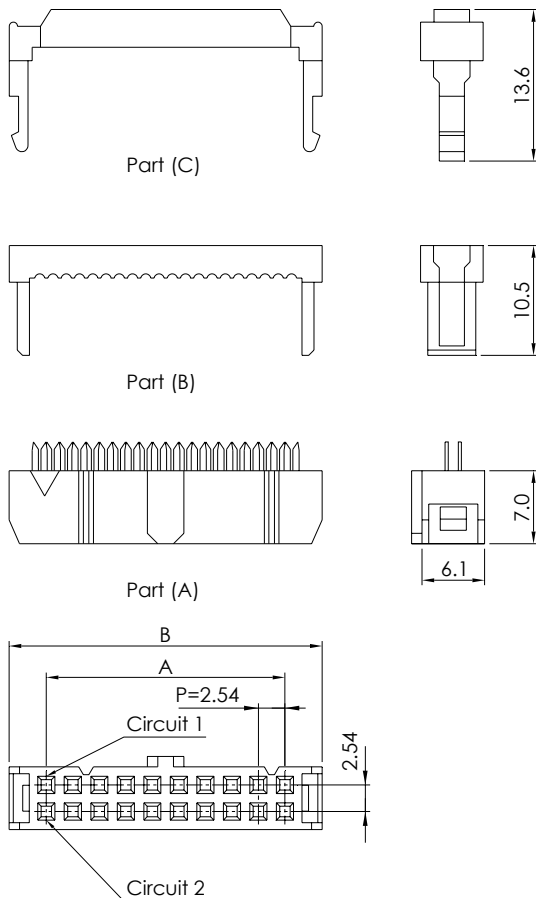
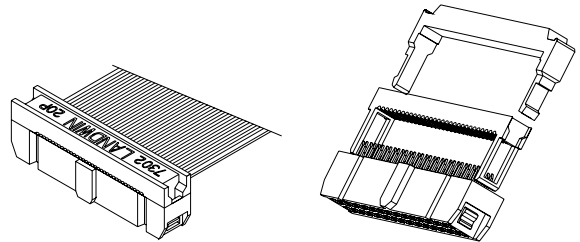
7302P IDC Plug Housing

■ Specifications

- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Applicable Wire: AWG 28 Flat Cable

■ Reference

- ◇ Mates with 7303,7304 Shrouded Headers
- ◇ Certifications: UL , CSA



Ordering Information

Circuits Number	Part No.	Dimension	
		A	B
6	7302P06X31	5.08	12.25
8	7302P08X31	7.62	14.79
10	7302P10X31	10.16	17.33
14	7302P14X31	15.24	22.41
16	7302P16X31	17.78	24.95
20	7302P20X31	22.86	30.03
24	7302P24X31	27.94	35.11
26	7302P26X31	30.48	37.65
30	7302P30X31	35.56	42.73
34	7302P34X31	40.64	47.81
40	7302P40X31	48.26	55.43
50	7302P50X31	60.96	68.13
60	7302P60X31	73.66	80.83
64	7302P64X31	78.74	85.91

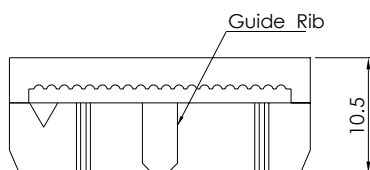
Material

Part	Material	Remark
Housing	PBT 94V-0, Black	
Contact	Phosphor Bronze, Gold Flash	

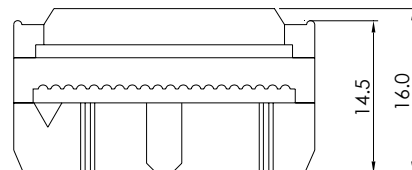
- X = 0 : W/O Guide Rid, W/O Strain Relief
- X = 1 : W/O Guide Rid, With Strain Relief
- X = 2 : With Guide Rid, W/O Strain Relief
- X = 3 : With Guide Rid, With Strain Relief

※ Available P/N of Halogen-Free replacement:
7302P xx X31-BNH (xx : Circuit No.)

P.C. Board Layout / Assembly Layout



W/O Strain Relief
Assembly Parts (A),(B)



With Strain Relief
Assembly Parts (A),(B),(C)

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Ribbon Cable Connector



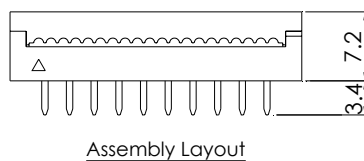
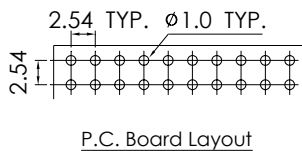
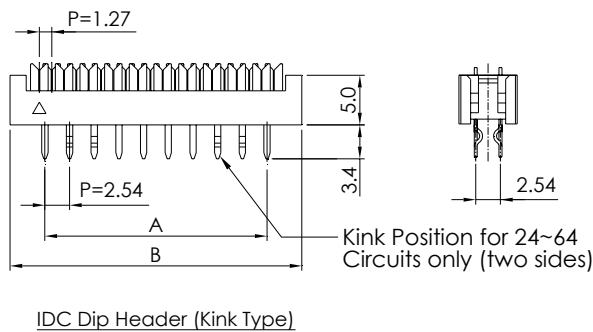
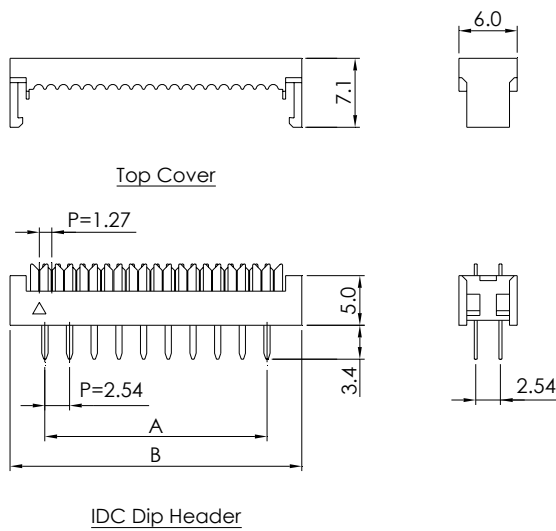
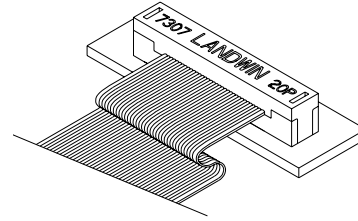
7307P Transition Connector

Specifications

- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Applicable Wire: AWG 28 Flat Cable
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

- ◇ Mates with UL 2651 2.54 Pitch Flat Cable



Ordering Information

Circuits Number	Part No.		Dimension	
	No Kink	With Kink	A	B
8	7307P0803X	7307P0803X-1	7.62	15.22
10	7307P1003X	7307P1003X-1	10.16	17.76
14	7307P1403X	7307P1403X-1	15.24	22.84
16	7307P1603X	7307P1603X-1	17.78	25.38
20	7307P2003X	7307P2003X-1	22.86	30.46
24	7307P2403X	7307P2403X-1	27.94	35.54
26	7307P2603X	7307P2603X-1	30.48	38.08
30	7307P3003X	7307P3003X-1	35.56	43.16
34	7307P3403X	7307P3403X-1	40.64	48.24
40	7307P4003X	7307P4003X-1	48.26	55.86
50	7307P5003X	7307P5003X-1	60.96	68.56
60	7307P6003X	7307P6003X-1	73.66	81.26
64	7307P6403X	7307P6403X-1	78.74	86.34

Material

Part	Material	Remark
Housing	PBT 94V-0, Black	
Contact	Brass, Select Gold Flash Plating	X = A
	Brass, Matte Tin-Plated	X = V

※ Available P/N of Halogen-Free replacement:

- 7307P xx 03A-BNH (xx : Circuit No.)
- 7307P xx 03V-BNH (xx : Circuit No.)
- 7307P xx 03A-BNH1 (xx : Circuit No.)
- 7307P xx 03V-BNH1 (xx : Circuit No.)

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Ribbon Cable Connector



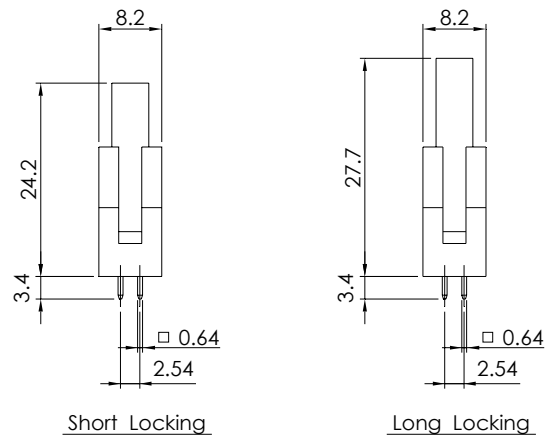
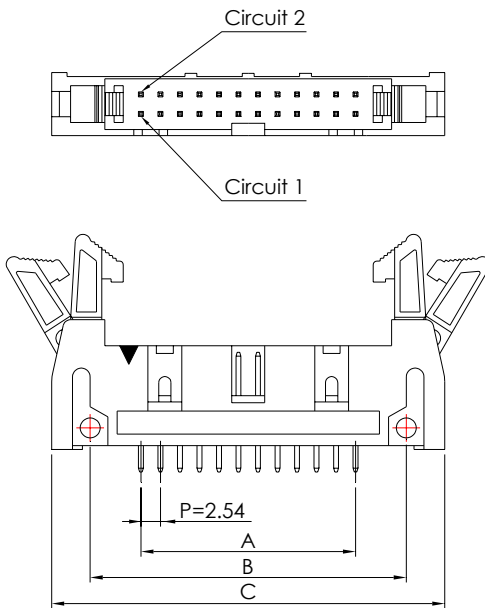
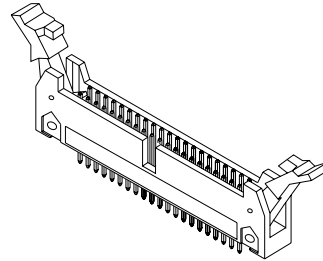
7303P Shrouded Header (With Eject levers) Straight Type

■ Specifications

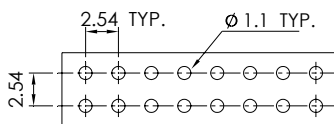
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Applicable PC Board Thickness: 1.6mm

■ Reference

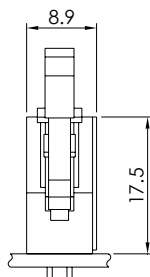
- ◇ Mates with 7302P IDC Plug Housing
- ◇ Certifications: UL , CSA



P.C. Board Layout / Assembly Layout



Straight Type



Ordering Information

Circuits Number	Part No.		Dimension		
	Short Locking	Long Locking	A	B	C
10	7303P10031	7303P10131	10.16	21.84	32.16
14	7303P14031	7303P14131	15.24	26.92	37.24
16	7303P16031	7303P16131	17.78	29.46	39.78
20	7303P20031	7303P20131	22.86	34.54	44.86
26	7303P26031	7303P26131	30.48	42.16	52.48
30	7303P30031	7303P30131	35.56	47.24	57.56
34	7303P34031	7303P34131	40.64	52.32	62.64
40	7303P40031	7303P40131	48.26	59.94	70.26
50	7303P50031	7303P50131	60.96	72.64	82.96
60	7303P60031	7303P60131	73.66	85.34	95.66
64	7303P64031	7303P64131	78.74	90.42	100.74

Material

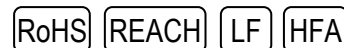
Part	Material	Remark
Housing	PBT 94V-0, Black	
Contact	Brass, Gold-Plated	

※ Available P/N of Halogen-Free replacement:
7303P xx 031-BNH (xx : Circuit No.)
7303P xx 131-BNH (xx : Circuit No.)

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Ribbon Cable Connector



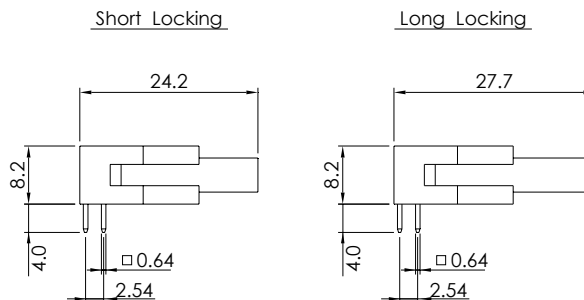
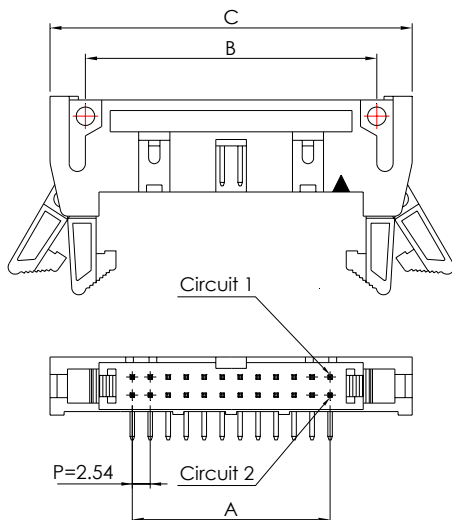
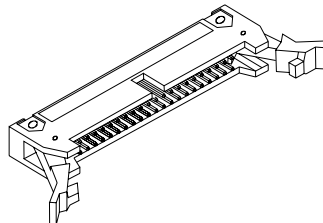
7304P Shrouded Header (With Eject levers) Right-Angle Type

Specifications

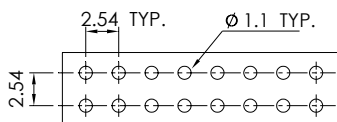
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

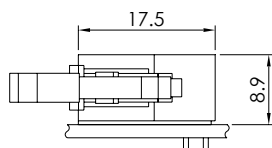
- ◇ Mates with 7302P IDC Plug Housing
- ◇ Certifications: UL , CSA



P.C. Board Layout / Assembly Layout



Right-Angle Type



Ordering Information

Circuits Number	Part No.		Dimension		
	Short Locking	Long Locking	A	B	C
10	7304P10031	7304P10131	10.16	21.84	32.16
14	7304P14031	7304P14131	15.24	26.92	37.24
16	7304P16031	7304P16131	17.78	29.46	39.78
20	7304P20031	7304P20131	22.86	34.54	44.86
26	7304P26031	7304P26131	30.48	42.16	52.48
30	7304P30031	7304P30131	35.56	47.24	57.56
34	7304P34031	7304P34131	40.64	52.32	62.64
40	7304P40031	7304P40131	48.26	59.94	70.26
50	7304P50031	7304P50131	60.96	72.64	82.96
60	7304P60031	7304P60131	73.66	85.34	95.66
64	7304P64031	7304P64131	78.74	90.42	100.74

Material

Part	Material	Remark
Housing	PBT 94V-0, Black	
Contact	Brass, Gold-Plated	

※ Available P/N of Halogen-Free replacement:
7304P xx 031-BNH (xx : Circuit No.)
7304P xx 131-BNH (xx : Circuit No.)

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Wire to Board Connector



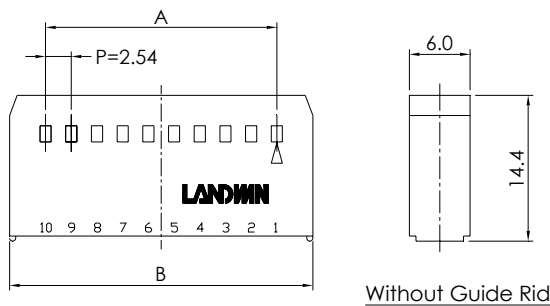
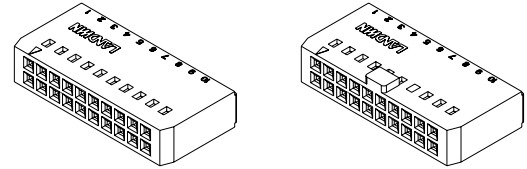
2580S Plug Housing Type-P

Specifications

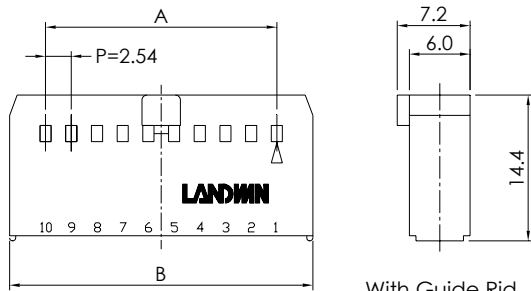
- ◇ Current rating: 1A AC/DC (AWG 22)
- ◇ Voltage Range: 200V AC,DC
- ◇ Withstand Voltage: 650V AC/Minute
- ◇ Contact Resistance: 15 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55°C to 85°C

Reference

- ◇ Mates with 2570M, 7305P,7306P Headers
- ◇ Use with 2583T1 Series Terminal



Without Guide Rib



With Guide Rib

Ordering Information

Circuits Number	Part No.		Dimension	
	W/O Guide Rib	With Guide Rib	A	B
10	2580S10N3	2580S10P3	10.16	17.27
14	2580S14N3	2580S14P3	15.24	22.35
16	2580S16N3	2580S16P3	17.78	24.80
20	2580S20N3	2580S20P3	22.86	29.95
26	2580S26N3	2580S26P3	30.48	37.55
30	2580S30N3	2580S30P3	35.56	42.63
34	2580S34N3	2580S34P3	40.64	47.75
40	2580S40N3	2580S40P3	48.26	55.35
44	2580S44N3	2580S44P3	53.34	60.47
50	2580S50N3	2580S50P3	60.96	68.04
60	2580S60N3	2580S60P3	73.66	80.77
64	2580S64N3	2580S64P3	78.74	85.85

Material

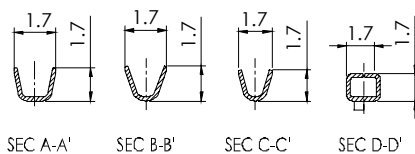
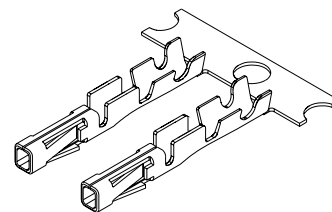
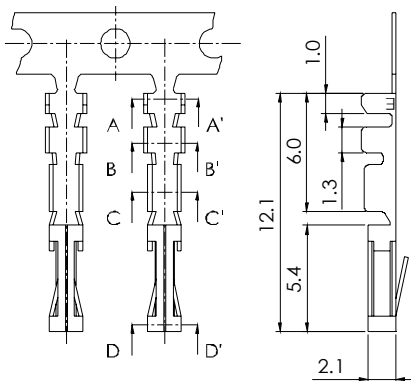
Part	Material	Remark
Housing	PBT 94V-0, Black	

※ Available P/N of Halogen-Free replacement:
 2580S xx N3-BNH (xx : Circuit No.)
 2580S xx P3-BNH (xx : Circuit No.)

2583T1 Crimp Terminal

Reference

- ◇ Mates with 2580S Type-P Housing



Ordering Information

Part Number	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2583T1111	22 - 24	1.6 Max.	20,000

Material

Part	Material	Remark
2583T1111	Phosphor Bronze, Gold-plated	

※ Halogen-free product
 ※ Contact for more plating selection.

2.54 Pitch 2570 SERIES CONNECTOR



2.54 mm Pitch Wire to Wire Connector

RoHS REACH LF HFA

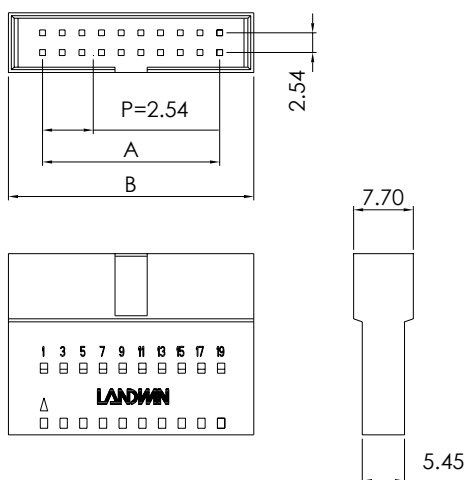
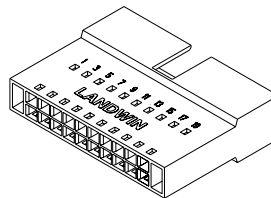
Specifications

- ◇ Current rating: 3A AC/DC (AWG 22)
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 15 mΩ Max. before environment test
- ◇ Insulation Resistance: 5000 MΩ Min.
- ◇ Temperature Range: -40°C to 120°C

Reference

- ◇ Mates with 2580S Type-P Plug Housing
- ◇ Use with 2573TM Terminal

2570M Receptacle Housing Dual-Row



Ordering Information

Circuits	Part No.	Dimension	
		A	B
10	2570M1023	10.16	18.95
14	2570M1423	15.24	24.03
16	2570M1623	17.78	26.57
20	2570M2023	22.86	31.65
24	2570M2423	27.94	36.73
30	2570M3023	35.56	44.35
34	2570M3423	40.64	49.43
40	2570M4023	48.26	57.05
44	2570M4423	53.34	62.13
50	2570M5023	60.96	69.75
60	2570M6023	73.66	82.45
64	2570M6423	78.74	87.53

Material

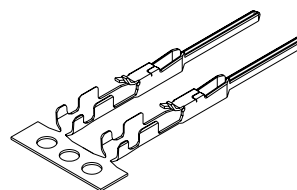
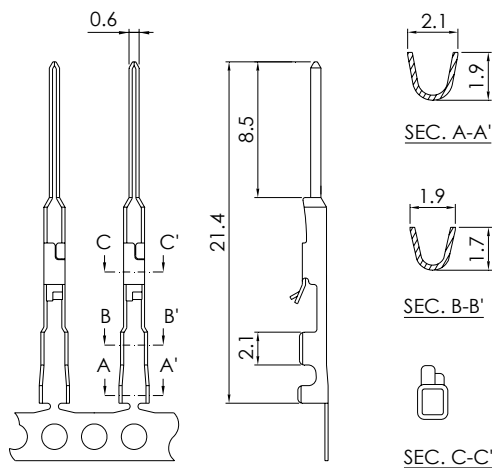
Part	Material
Housing	PBT 94V-0, Black

※ Available P/N of Halogen-Free replacement:
2570M xx 23-BNH (xx : Circuit No.)

2573TM Crimp Terminal

Reference

- ◇ Mates with 2570M Housing



Ordering Information

Part Number	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2573TM11R	24 - 30	1.6 Max.	15,000

Material

Part	Material	Plating	Remark
2573TM11R	Phosphor Bronze,	Tin-plated	

※ Halogen-free product
※ Contact for more plating selection.

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Ribbon Cable Connector



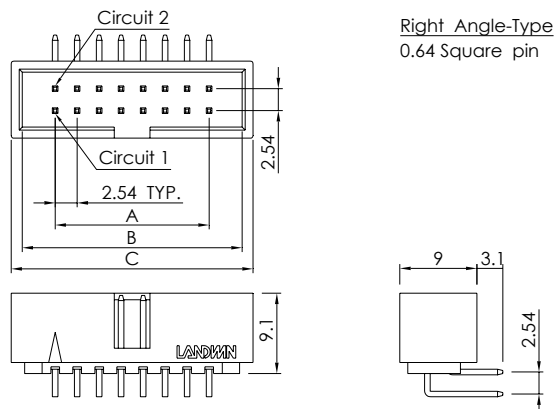
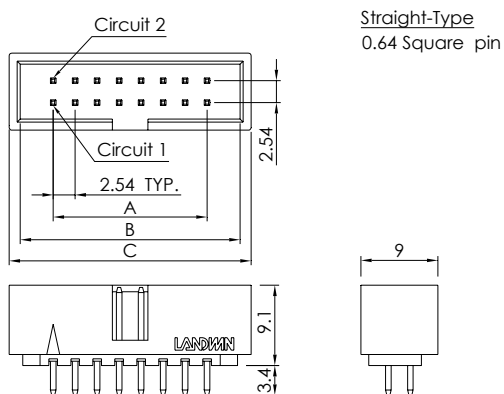
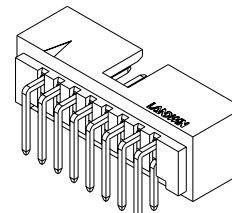
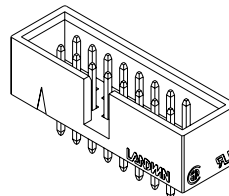
7305P, 7306P Shrouded Header DIP Type

Specifications

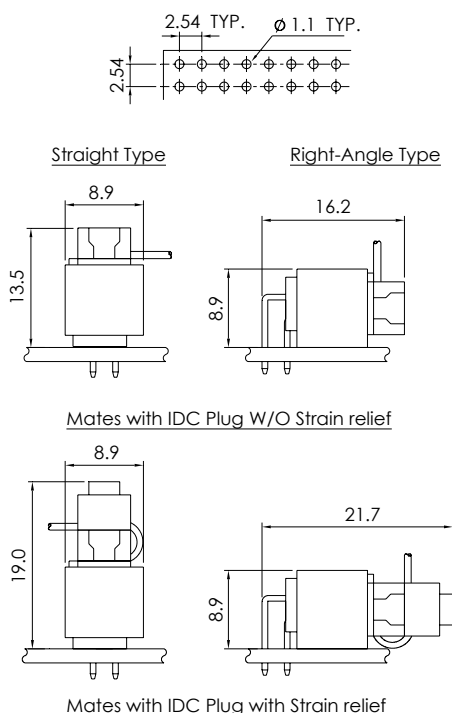
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

- ◇ Mates with 2580S Type-P Housing
- ◇ Certifications: UL , CSA



P.C. Board Layout / Assembly Layout



Ordering Information

Circuits Number	Part No.		Dimension		
	Straight	Right Angle	A	B	C
6	7305P0603X	7306P0603X	5.08	12.94	15.24
8	7305P0803X	7306P0803X	7.62	15.48	17.78
10	7305P1003X	7306P1003X	10.16	18.02	20.32
12	7305P1203X	7306P1203X	12.70	20.56	22.86
14	7305P1403X	7306P1403X	15.24	23.10	25.40
16	7305P1603X	7306P1603X	17.78	25.64	27.94
20	7305P2003X	7306P2003X	22.86	30.72	33.02
24	7305P2403X	7306P2403X	27.94	35.80	38.10
26	7305P2603X	7306P2603X	30.48	38.34	40.64
30	7305P3003X	7306P3003X	35.56	43.42	45.72
34	7305P3403X	7306P3403X	40.64	48.50	50.80
40	7305P4003X	7306P4003X	48.26	56.12	58.42
44	7305P4403X	7306P4403X	53.34	61.20	63.50
50	7305P5003X	7306P5003X	60.96	68.82	71.12
60	7305P6003X	7306P6003X	73.66	81.52	83.82
64	7305P6403X	7306P6403X	78.74	86.60	88.90

Material

Part	Material	Remark
Housing	PBT 94V-0, Black	
Contact	Brass	Tin-Plated X = T
		Gold-Plated X = 1

※ Available P/N of Halogen-Free replacement:
7305P xx 03T-BNH (xx : Circuit No.)
7306P xx 03T-BNH (xx : Circuit No.)

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Ribbon Cable Connector

RoHS REACH LF HFA

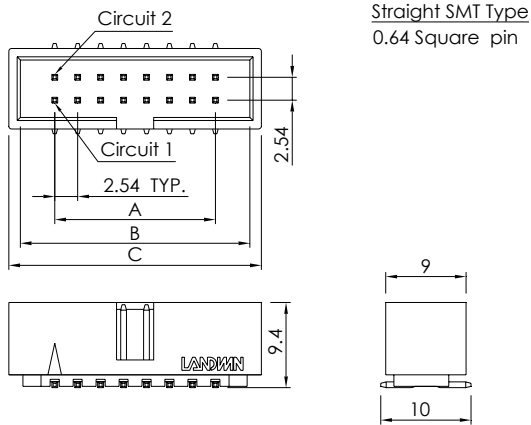
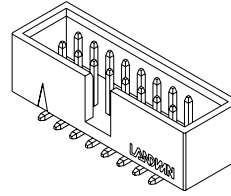
7305P, 7306P Shrouded Header SMT Type

Specifications

- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

- ◇ Mates with 2580S Type-P Housing



Ordering Information

Circuits Number	Part No.	Dimension		
		A	B	C
6	7305P06S9X	5.08	12.94	15.24
8	7305P08S9X	7.62	15.48	17.78
10	7305P10S9X	10.16	18.02	20.32
12	7305P12S9X	12.70	20.56	22.86
14	7305P14S9X	15.24	23.10	25.40
16	7305P16S9X	17.78	25.64	27.94
20	7305P20S9X	22.86	30.72	33.02
24	7305P24S9X	27.94	35.80	38.10
26	7305P26S9X	30.48	38.34	40.64
30	7305P30S9X	35.56	43.42	45.72
34	7305P34S9X	40.64	48.50	50.80
40	7305P40S9X	48.26	56.12	58.42
44	7305P44S9X	53.34	61.20	63.50
50	7305P50S9X	60.96	68.82	71.12
60	7305P60S9X	73.66	81.52	83.82
64	7305P64S9X	78.74	86.60	88.90

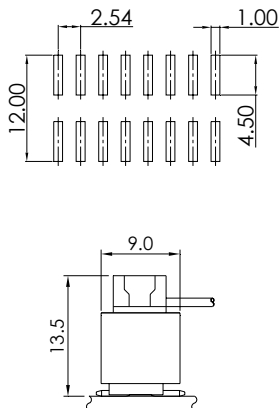
Material

Part	Material	Remark
Housing	High HDT Nylon 94V-0	Black
Contact	Brass	Matte Tin
		Gold-Plated
		X = V
		X = 1

※ Available P/N of Halogen-Free replacement:
7305P xx S9T-BNH (xx : Circuit No.)

※ Contact for more plating selection

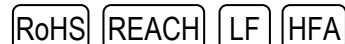
P.C. Board Layout / Assembly Layout



2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Ribbon Cable Connector



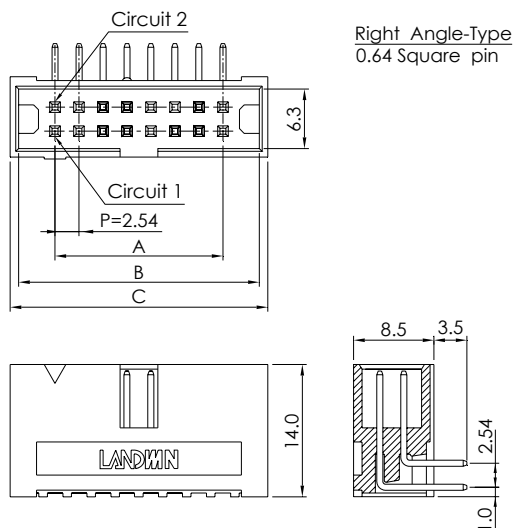
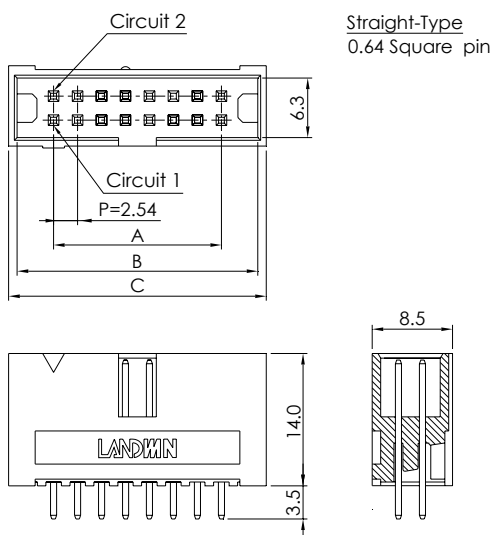
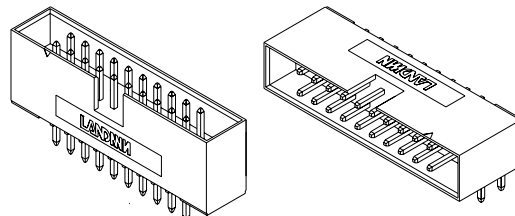
7305P, 7306P Shrouded Header High-Profile

Specifications

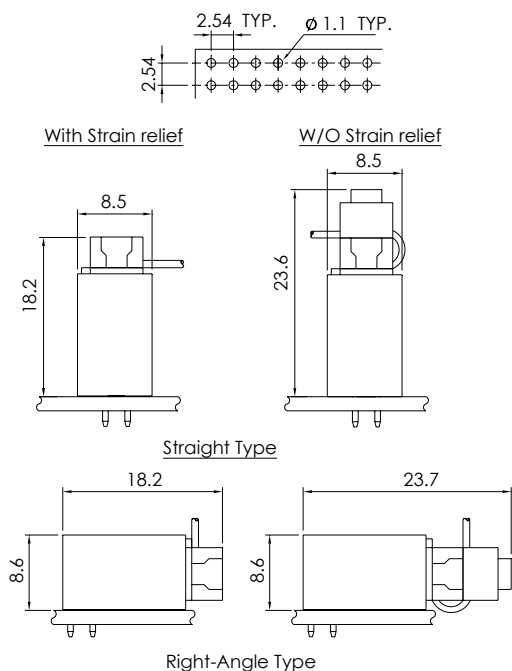
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

- ◇ Mates with 2580S Type-P Housing
- ◇ Certifications: UL , CSA



P.C. Board Layout / Assembly Layout



Ordering Information

Circuits Number	Part No.		Dimension		
	Straight	Right Angle	A	B	C
10	7305P10A3X	7306P10A3X	10.16	17.76	19.66
14	7305P14A3X	7306P14A3X	15.24	22.84	24.74
16	7305P16A3X	7306P16A3X	17.78	25.38	27.28
20	7305P20A3X	7306P20A3X	22.86	30.46	32.36
26	7305P26A3X	7306P26A3X	30.48	38.08	39.98
30	7305P30A3X	7306P30A3X	35.56	43.16	45.06
34	7305P34A3X	7306P34A3X	40.64	48.24	50.14
40	7305P40A3X	7306P40A3X	48.26	55.86	57.76
50	7305P50A3X	7306P50A3X	60.96	68.56	70.46
60	7305P60A3X	7306P60A3X	73.66	81.26	83.16
64	7305P64A3X	7306P64A3X	78.74	86.34	88.24

Material

Part	Material	Remark
Housing	PBT 94V-0, Black	
Contact	Tin-Plated	X = T
	Gold-Plated	X = 1

※ Available P/N of Halogen-Free replacement:
7305P xx A3X-BNH (xx : Circuit No.)
7306P xx A3X-BNH (xx : Circuit No.)

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Wire to board, Board to Board Connector



7308P Pin Header

Specifications

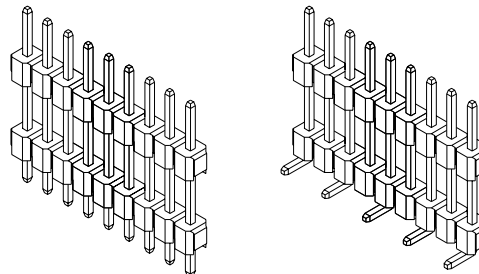
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 1.0mm
- ◇ 40 Circuits Max.
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

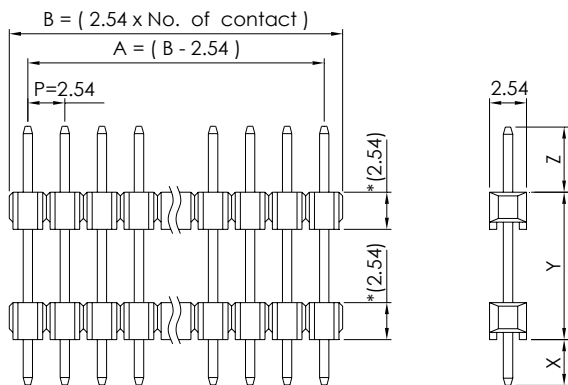
- ◇ Mates with 2570S N-Series Housing
- ◇ Certifications: UL , CSA

Material

- ◇ BASE: PBT 94V-0 or High-HDT Nylon 94V-0, Black color
- ◇ PIN: Brass

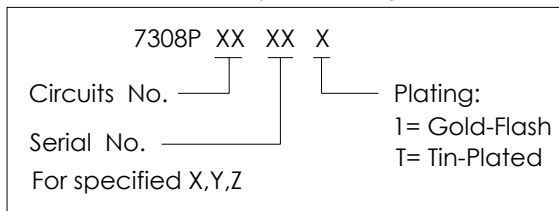


DIP - TYPE

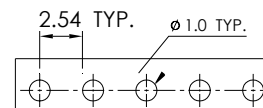


* Standard THK = 2.54mm

Order Information (Dip - Type)

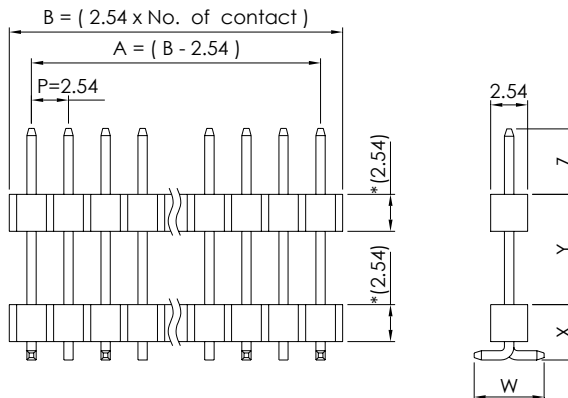


※ Available P/N of Halogen-Free replacement: 7308P XX XX X - BNH



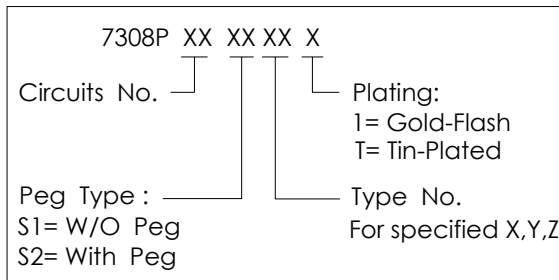
PC Board Layout

SMT - TYPE

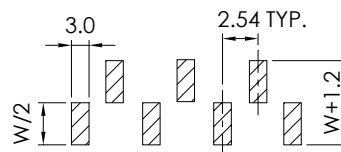


* Standard THK = 2.54mm

Order Information (SMT - Type)



※ Available P/N of Halogen-Free replacement: 7308P XX XX XX X - BNH



PC Board Layout (Recommended)

S1= W/O Peg



2.54 Pitch SERIES CONNECTOR

2.54 mm Pitch Wire to board, Board to Board Connector

RoHS REACH LF HFA

7309P Pin Header

Specifications

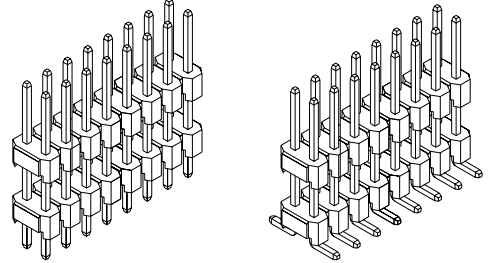
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 1.0mm
- ◇ 80 Circuits Max.
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

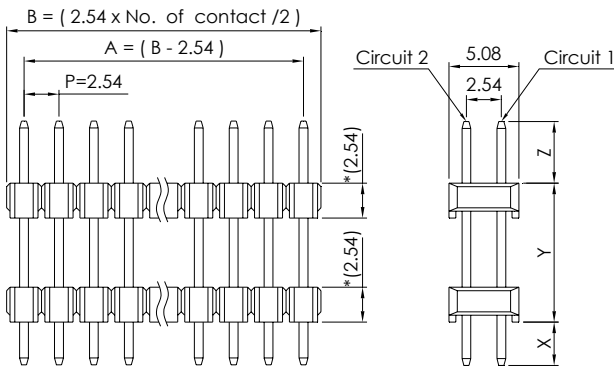
- ◇ Mates with 2580S N-Series Housing
- ◇ Certifications: UL , CSA

Material

- ◇ BASE: PBT 94V-0 or High-HDT Nylon 94V-0, Black color
- ◇ PIN: Brass

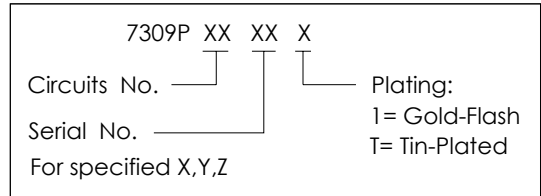


DIP - TYPE

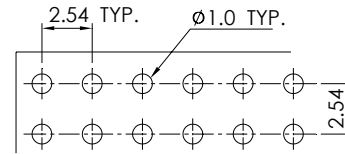


* Standard THK = 2.54mm

Order Information (Dip - Type)

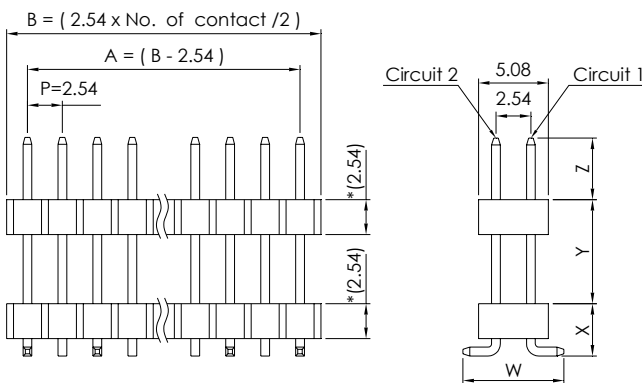


※ Available P/N of Halogen-Free replacement: 7309P XX XX X - BNH



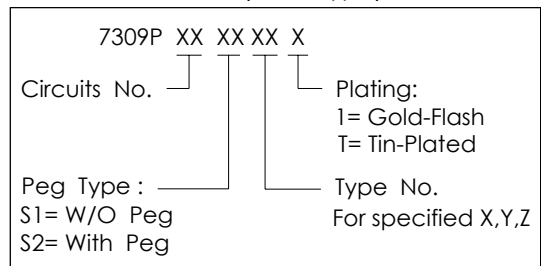
PC Board Layout

SMT - TYPE

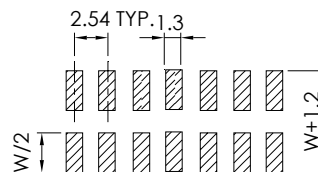


* Standard THK = 2.54mm

Order Information (SMT - Type)



※ Available P/N of Halogen-Free replacement: 7309P XX XX XX X - BNH



PC Board Layout (Recommended)

S1= W/O Peg

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Wire to board, Board to Board Connector

RoHS REACH LF HFA

7310P Pin Header

Specifications

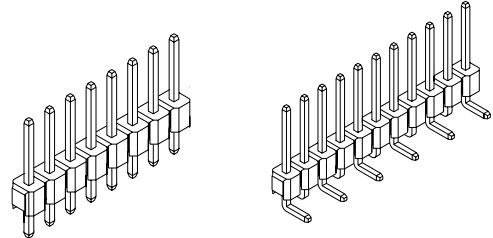
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 1.0mm
- ◇ 40 Circuits Max.
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

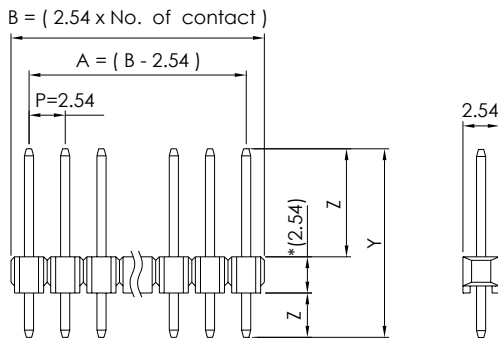
- ◇ Mates with 2570S N-Series Housing
- ◇ Certifications: UL , CSA

Material

- ◇ BASE: PBT 94V-0 or High-HDT Nylon 94V-0, Black color
- ◇ PIN: Brass

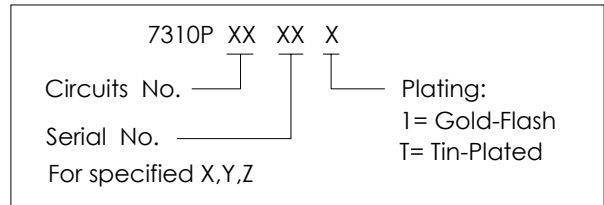


DIP - TYPE

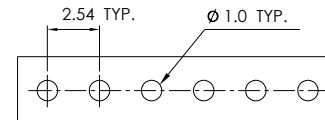


* Standard THK = 2.54mm

Order Information (Dip - Type)

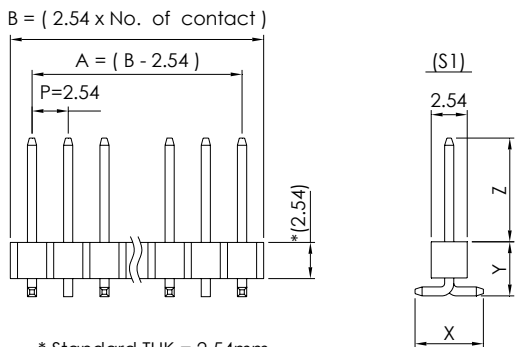


※ Available P/N of Halogen-Free replacement: 7310P XX XX X - BNH



PC Board Layout

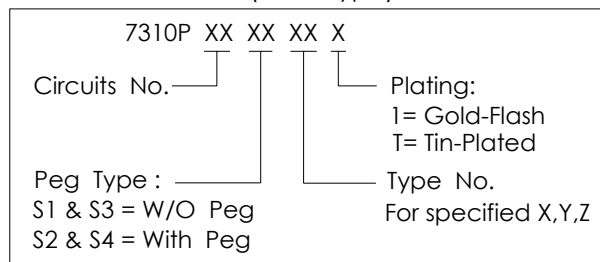
SMT - TYPE



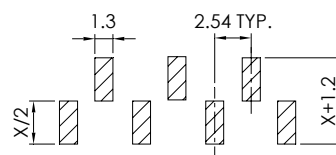
* Standard THK = 2.54mm

S1= W/O Peg

Order Information (SMT - Type)



※ Available P/N of Halogen-Free replacement: 7310P XX XX XX X - BNH



PC Board Layout (Recommended)

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Wire to board, Board to Board Connector



7311P, 7312P Pin Header

Specifications

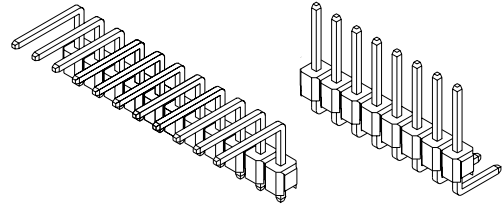
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 1.0mm
- ◇ 40 Circuits Max.
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

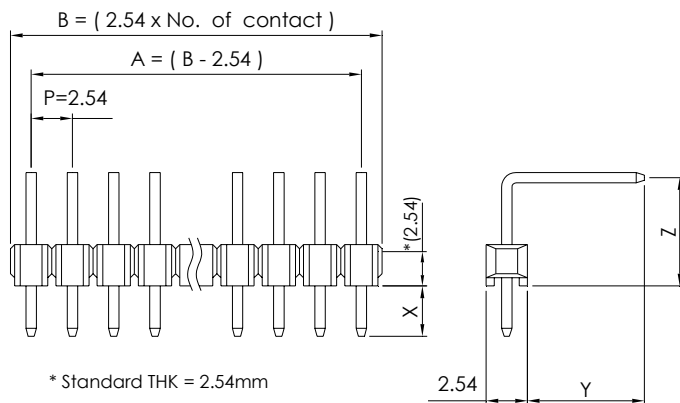
- ◇ Mates with 2570S N-Series Housing
- ◇ Mates with 7317P Female Header
- ◇ Certifications: UL , CSA

Material

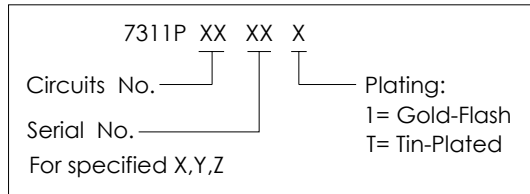
- ◇ BASE: PBT 94V-0 or High-HDT Nylon 94V-0, Black color
- ◇ PIN: Brass



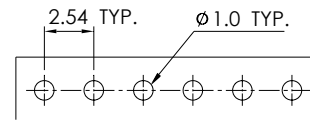
7311P



Order Information :

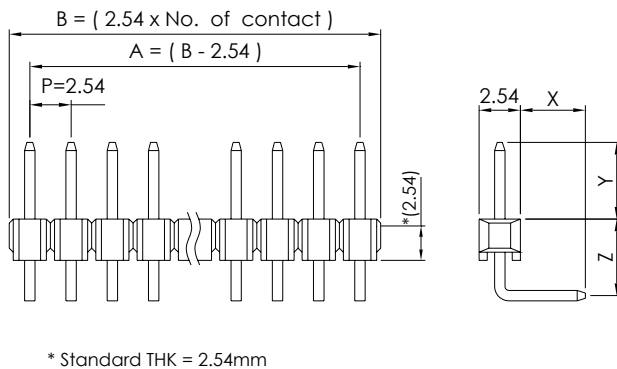


※ Available P/N of Halogen-Free replacement: 7311P XX XX X - BNH

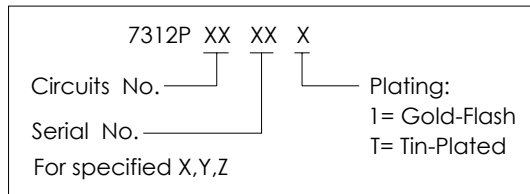


PC Board Layout

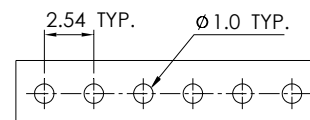
7312P



Order Information :



※ Available P/N of Halogen-Free replacement: 7312P XX XX X - BNH

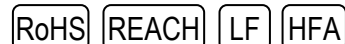


PC Board Layout

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Wire to board, Board to Board Connector



7313P Pin Header

Specifications

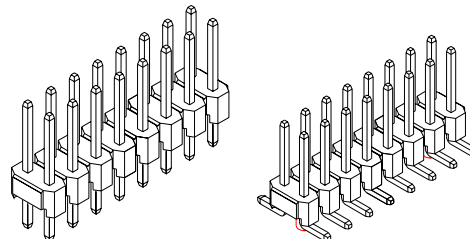
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 1.0mm
- ◇ 80 Circuits Max.
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

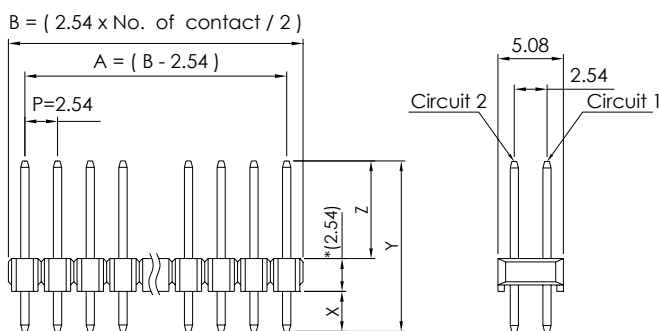
- ◇ Mates with 2580S N-Series Housing
- ◇ Mates with 7318P Female Header
- ◇ Certifications: UL , CSA

Material

- ◇ BASE: PBT 94V-0 or High-HDT Nylon 94V-0, Black color
- ◇ PIN: Brass

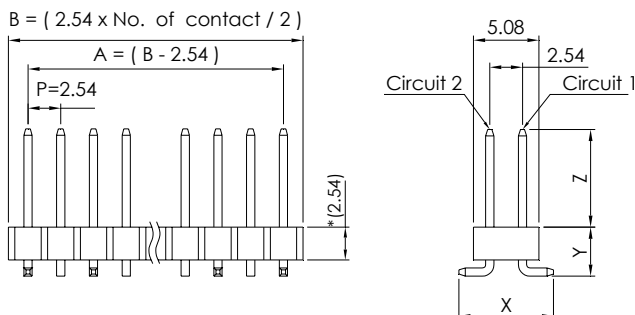


DIP - TYPE



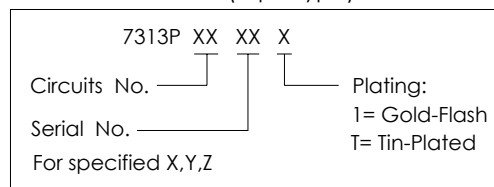
* Standard THK = 2.54mm

SMT - TYPE

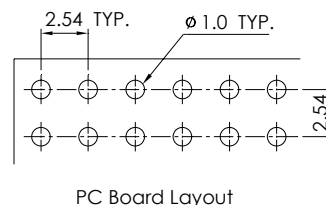


* Standard THK = 2.54mm

Order Information (Dip - Type)

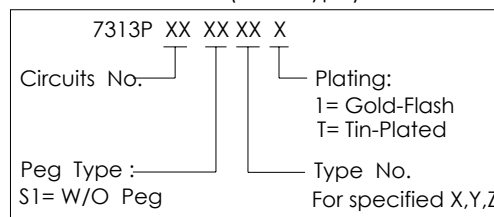


※ Available P/N of Halogen-Free replacement: 7313P XX XX X - BNH

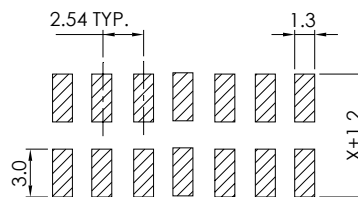


PC Board Layout

Order Information (SMT - Type)



※ Available P/N of Halogen-Free replacement: 7313P XX XX XX X - BNH



PC Board Layout (Recommended)

2.54 Pitch SERIES CONNECTOR



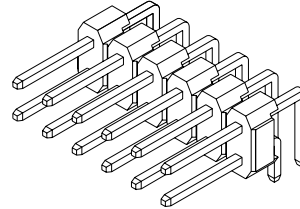
2.54 mm Pitch Wire to board, Board to Board Connector

RoHS REACH LF HFA

7314P Pin Header

Specifications

- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 1.0mm
- ◇ 80 Circuits Max.
- ◇ Applicable PC Board Thickness: 1.6mm



Reference

- ◇ Mates with 2580S N-Series Housing
- ◇ Mates with 7318P Female Header
- ◇ Certifications: UL , CSA

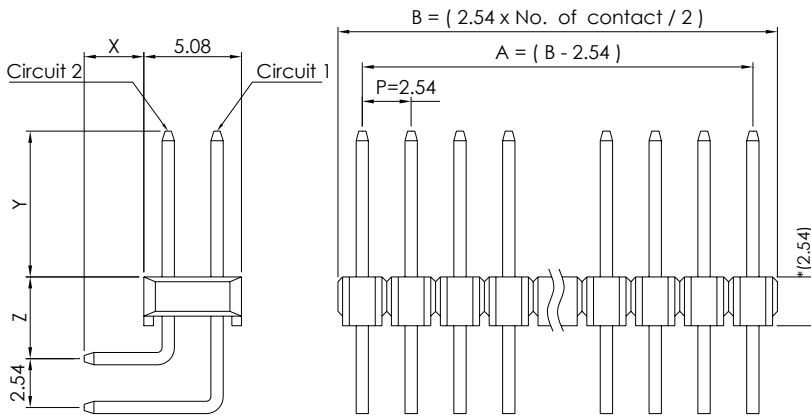
Material

- ◇ BASE: PBT 94V-0 or High-HDT Nylon 94V-0, Black color
- ◇ PIN: Brass

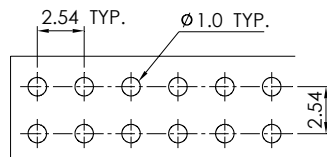
Order Information :

7314P XX XX X		
Circuits No.	XX	X
Serial No.	XX	Plating:
For specified X,Y,Z		1= Gold-Flash T= Tin-Plated

※ Available P/N of Halogen-Free replacement: 7314P XX XX X - BNH



* Standard THK = 2.54mm



PC Board Layout

2.54 Pitch 2580 SERIES CONNECTOR



2.54 mm Pitch Wire to Board Connector

RoHS REACH LF HFA

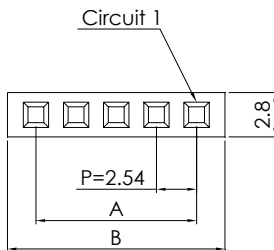
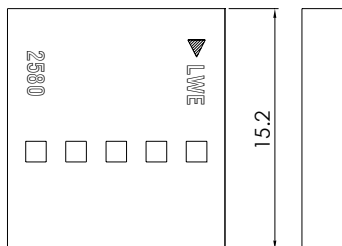
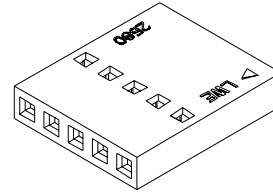
2580S Single-Row Housing Type-1

Specifications

- ◇ Current rating: 3A AC/DC (AWG 22)
- ◇ Voltage Range: 350V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55°C to 125°C

Reference

- ◇ Mates with 2581P,2582P Header
- ◇ Use with 2583T Terminal
- ◇ Certifications: UL , CSA



Ordering Information

Circuits	Part No.	Dimension	
		Without Rib	A
2	2580S0213	2.54	6.1
3	2580S0313	5.08	8.3
4	2580S0413	7.62	10.8
5	2580S0513	10.16	13.4
6	2580S0613	12.70	15.9
7	2580S0713	15.24	18.4
8	2580S0813	17.78	21.0
9	2580S0913	20.32	23.5
10	2580S1013	22.86	26.1
11	2580S1113	25.40	28.6
12	2580S1213	27.94	31.1
13	2580S1313	30.48	33.7
14	2580S1413	33.02	36.2
15	2580S1513	35.56	38.8

Material

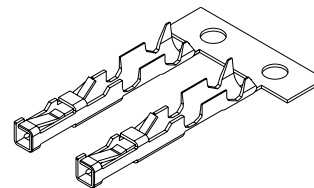
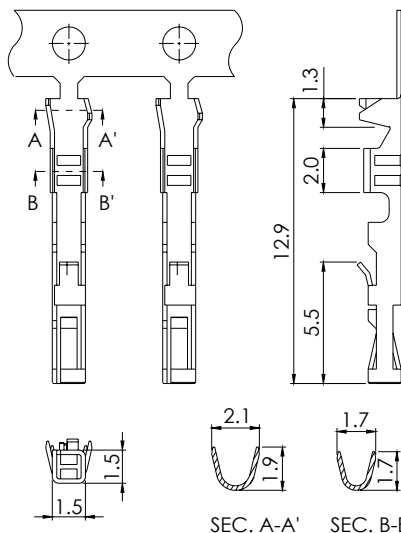
Part	Material	Remark
Housing	PBT 94V-0, BLACK	

※ Available P/N of Halogen-Free replacement:
2580S xx 13-BNH (xx : Circuit No.)

2583T Crimp Terminal

Reference

- ◇ Mates with 2580S Housing



Ordering Information

Part Number	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2583T021R	22 - 24	1.2 Max.	15,000

Material

Part	Material	Remark
2583T021R	Phosphor Bronze, Tin-plated	

※ Halogen-free product
※ Contact for more plating selection.

2.54 Pitch 2580 SERIES CONNECTOR



2.54 mm Pitch Wire to Board Connector

RoHS REACH LF HFA

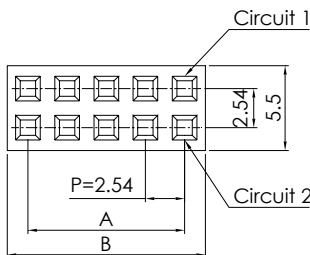
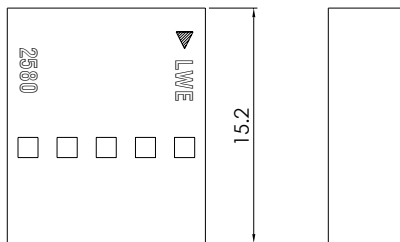
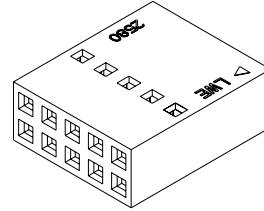
2580S Dual-Row Housing Type-2

Specifications

- ◇ Current rating: 3A AC/DC (AWG 22)
- ◇ Voltage Range: 350V AC,DC
- ◇ Withstand Voltage: 1000V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -55°C to 125°C

Reference

- ◇ Mates with 2581P,2582P Header
- ◇ Use with 2583T Terminal
- ◇ Certifications: UL , CSA



※ Available P/N of Halogen-Free replacement:
2580S xx 23-BNH (xx : Circuit No.)

Ordering Information

Circuits	Part No.	Dimension	
		A	B
6	2580S0623	5.08	7.8
8	2580S0823	7.62	10.3
10	2580S1023	10.16	12.9
12	2580S1223	12.70	15.4
14	2580S1423	15.24	17.9
16	2580S1623	17.78	20.5
18	2580S1823	20.32	23.0
20	2580S2023	22.86	25.6
22	2580S2223	25.40	28.1
24	2580S2423	27.94	30.6
26	2580S2623	30.48	33.2
28	2580S2823	33.02	35.7
30	2580S3023	35.56	38.3
32	2580S3223	38.10	40.8
34	2580S3423	40.64	43.3
36	2580S3623	43.18	45.9
38	2580S3823	45.72	48.4
40	2580S4023	48.26	51.0

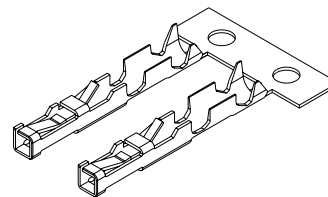
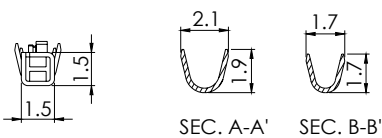
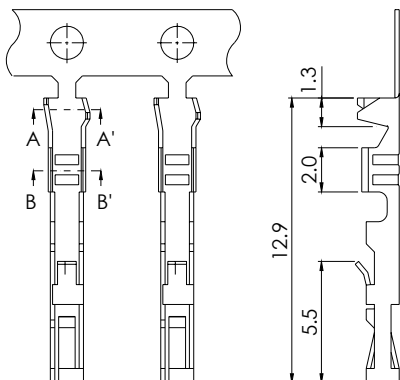
Material

Part	Material	Remark
Housing	PBT 94V-0, BLACK	

2583T Crimp Terminal

Reference

- ◇ Mates with 2580S Housing



Ordering Information

Part Number	Applicable Wire		Q'ty / Reel
	AWG #	Insulation O.D. mm	
2583T021R	22 - 24	1.2 Max.	15,000

Material

Part	Material	Remark
2583T021R	Phosphor Bronze, Tin-plated	

※ Halogen-free product

※ Contact for more plating selection.

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Board to Board Connector

RoHS REACH LF HFA

7317P Low-Profile Female Header

DIP Type

Specifications

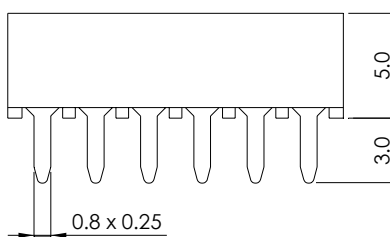
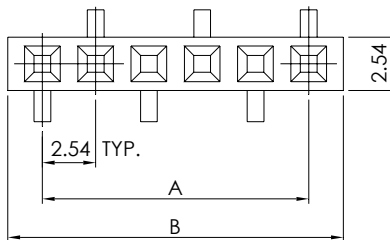
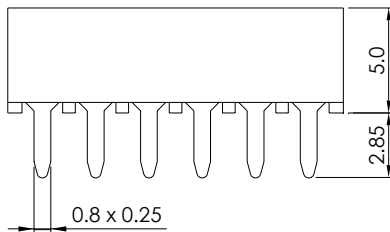
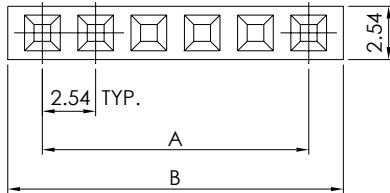
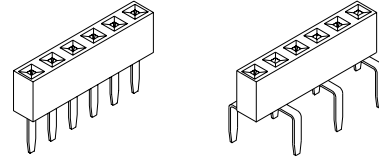
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 1.0mm
- ◇ 40 Circuits Max.
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

- ◇ Mates with 7310P ~ 7314P Single-Row Pin Headers

Material

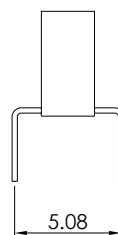
- ◇ BASE: PBT 94V-0 Or High-HDT Nylon 94V-0
- ◇ PIN: Brass



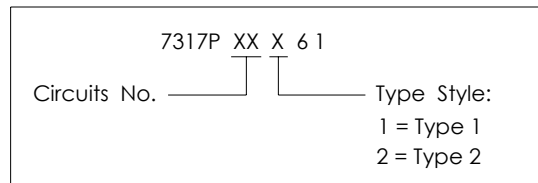
TYPE 1



TYPE 2



Order Information :



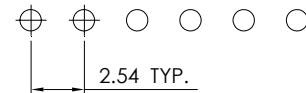
※ Dimension

A = 2.54 x Circuit No. / 2 - 2.54
B = A + 3.3

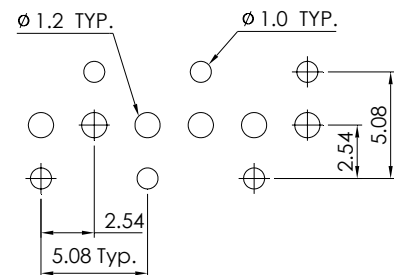
※ Available Halogen-Free P/N: 7318P xx 161-BNH (xx : Circuit No.)

7317P xx 161-BNH (xx : Circuit No.)

7317P xx 261-BNH (xx : Circuit No.)



P. C. Board Layout

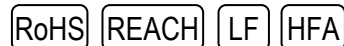


P. C. Board Layout

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Board to Board Connector



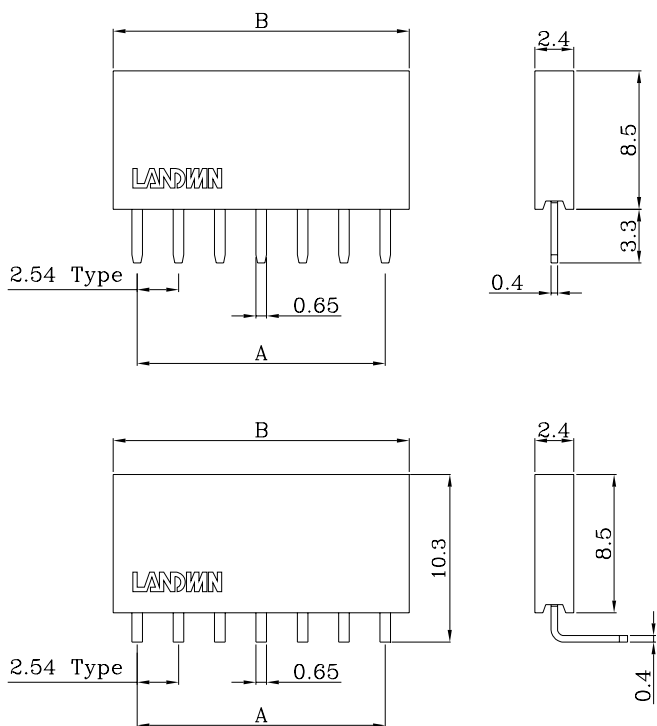
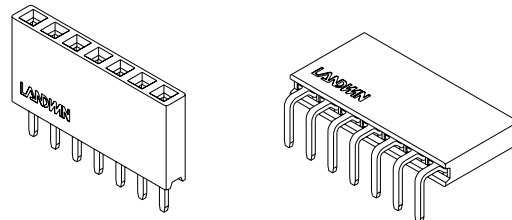
7317P Female Header

■ Specifications

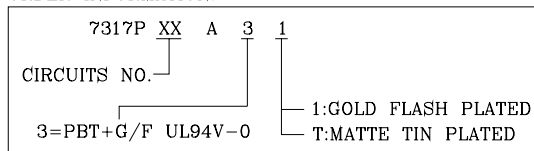
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 0.9mm
- ◇ Applicable PC Board Thickness: 1.6mm
- ◇ Circuits: 2P to 20P

■ Reference

- ◇ Mates with 7308P, 7310P Dual-Row Pin Headers



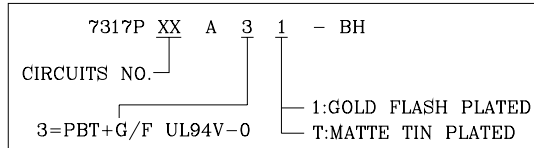
ORDER INFORMATION:



A = (Circuits No. - 1)*-2.54

B = A + 2.94

ORDER INFORMATION:



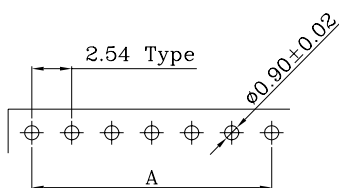
A = (Circuits No. - 1)*-2.54

B = A + 2.94

※ Available P/N of Halogen-Free replacement:

- 7317P xx A31-BNH (xx : Circuit No.)
- 7317P xx A3T-BNH
- 7317P xx A31-BHMH
- 7317P xx A3T-BHMH

P.C. Board Layout / Assembly Layout



2.54 Pitch SERIES CONNECTOR

2.54 mm Pitch Board to Board Connector

RoHS REACH LF HFA

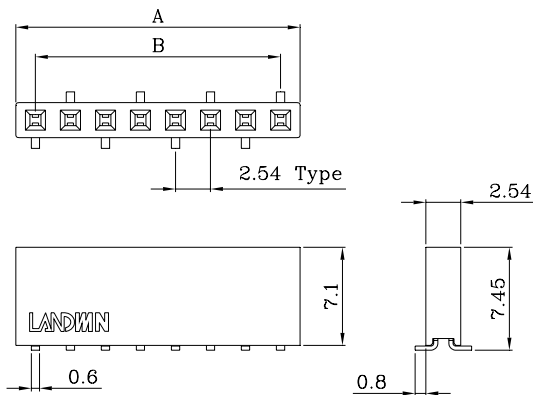
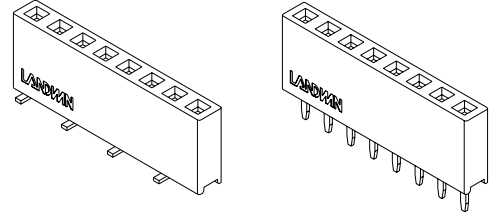
7317P Female Header

Specifications

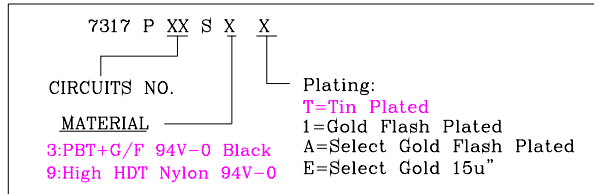
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 0.9mm
- ◇ Applicable PC Board Thickness: 1.6mm
- ◇ Circuits: 2P to 20P

Reference

- ◇ Mates with 7308P, 7310P Single-Row Pin Headers

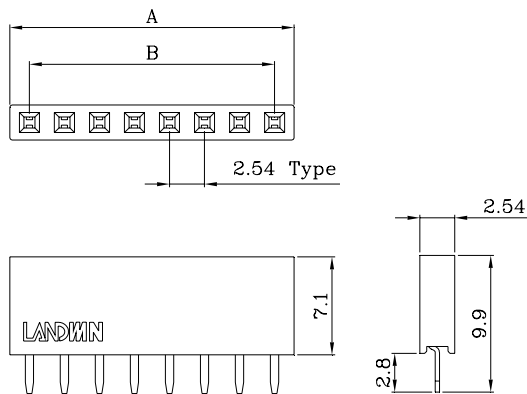


ORDER INFORMATION:

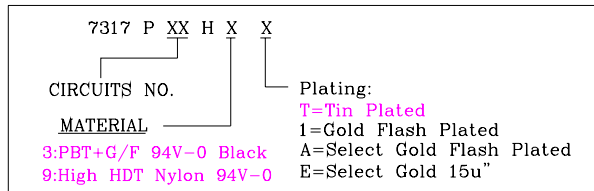


$$A = B + 2.84$$

$$B = (\text{Circuits No.} - 1) * 2.54$$



ORDER INFORMATION:



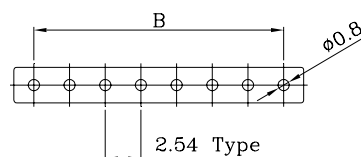
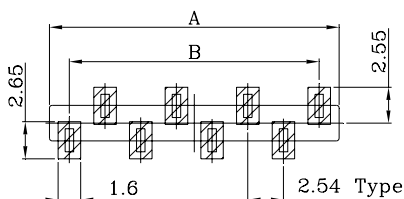
$$A = B + 2.84$$

$$B = (\text{Circuits No.} - 1) * 2.54$$

※ Available P/N of Halogen-Free replacement: (xx : Circuit No.)

- | | |
|-------------------|------------------|
| 7317P xx S31-BNH, | 7317P xx H31-BNH |
| 7317P xx S3T-BNH, | 7317P xx H3T-BNH |
| 7317P xx S91-BNH, | 7317P xx H91-BNH |
| 7317P xx S9T-BNH, | 7317P xx H9T-BNH |

P.C. Board Layout / Assembly Layout



2.54 Pitch SERIES CONNECTOR



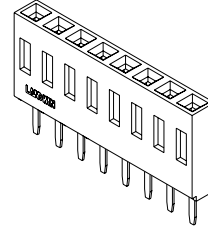
2.54 mm Pitch Board to Board Connector

RoHS REACH LF HFA

7317P Female Header

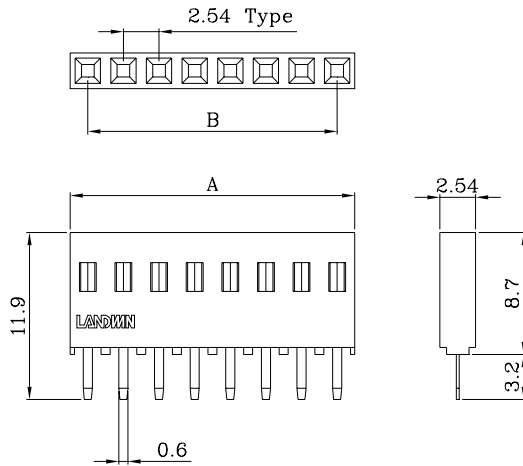
■ Specifications

- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 0.9mm
- ◇ Applicable PC Board Thickness: 1.6mm
- ◇ Circuits: 2P to 20P



■ Reference

- ◇ Mates with 7308P, 7310P Single-Row Pin Headers



ORDER INFORMATION:

7317P XX G X X			
CIRCUITS NO.	XX	G	X X
G:DIP TYPE			
			1:GOLD FLASH
			A:SELECT GOLD
			MATERIAL
			3:PBT+G/F 94V-0 Black
			9:High HDT Nylon 94V-0

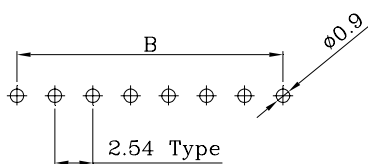
$$A = B + 2.51$$

$$B = (\text{Circuits No.} - 1) * 2.54$$

※ Available P/N of Halogen-Free replacement: (xx : Circuit No.)

- 7317P xx G31-BNH
- 7317P xx G3A-BNH
- 7317P xx G91-BNH
- 7317P xx G9A-BNH

P.C. Board Layout / Assembly Layout



2.54 Pitch SERIES CONNECTOR

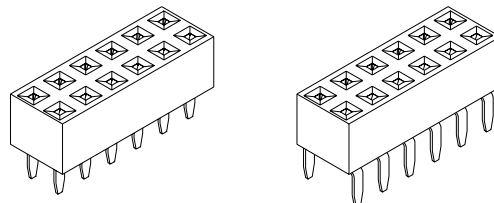


2.54 mm Pitch Board to Board Connector

RoHS REACH LF HFA

7318P Low-Profile Female Header

DIP Type



Specifications

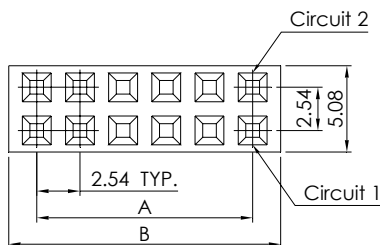
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 1.0mm
- ◇ 80 Circuits Max.
- ◇ Applicable PC Board Thickness: 1.6mm

Reference

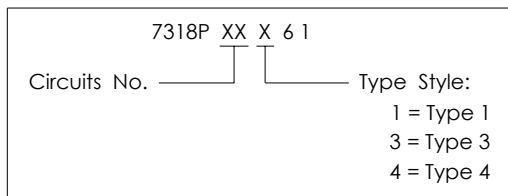
- ◇ Mates with 7310P ~ 7314P Dual-Row Pin Headers

Material

- ◇ BASE: PBT 94V-0 Or High-HDT Nylon 94V-0, Black color
- ◇ PIN: Brass



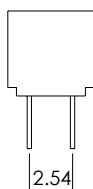
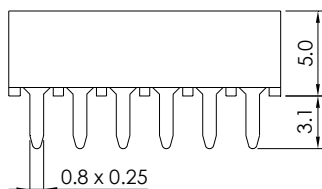
Order Information :



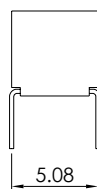
※ Dimension A = 2.54 x Circuit No. / 2 - 2.54
B = A + 3.3

※ Available Halogen-Free P/N:

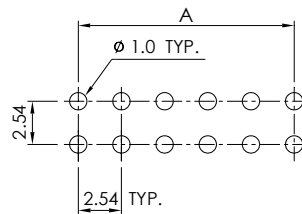
- 7318P xx 161-BNH (xx : Circuit No.)
- 7318P xx 361-BNH (xx : Circuit No.)
- 7318P xx 461-BNH (xx : Circuit No.)



TYPE 1

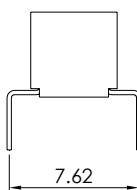
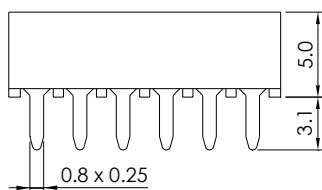
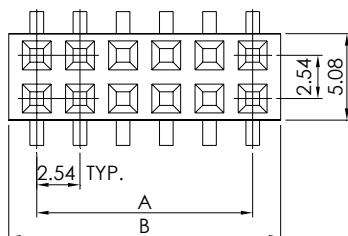


TYPE 3

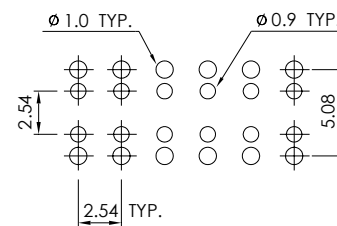


P. C. Board Layout

TYPE 1

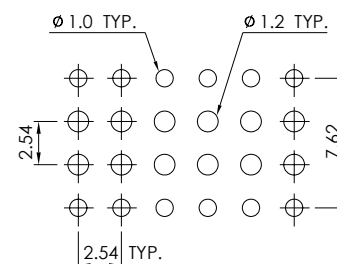


TYPE 4



P. C. Board Layout

TYPE 3



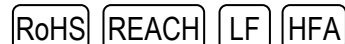
P. C. Board Layout

TYPE 4

2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Board to Board Connector



7318P Low-Profile Female Header

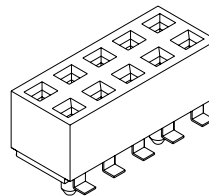
Specifications

- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Applicable PC Board Thickness: 1.6mm

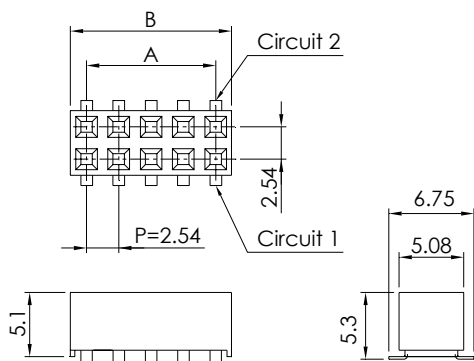
Reference

- ◇ Mates with 7309P ~ 7314P Dual-Row Pin Headers

SMT Type



SMT Type Without Peg



Ordering Information

Circuits Number	Part No.	Dimension	
		A	B
4	7318P04N X1 X2	2.54	5.05
6	7318P06N X1 X2	5.08	7.59
8	7318P08N X1 X2	7.62	10.13
10	7318P10N X1 X2	10.16	12.67
12	7318P12N X1 X2	12.70	15.21
14	7318P14N X1 X2	15.24	17.75
16	7318P16N X1 X2	17.78	20.29
18	7318P18N X1 X2	20.32	22.83
20	7318P20N X1 X2	22.86	25.37
22	7318P22N X1 X2	25.40	27.91
24	7318P24N X1 X2	27.94	30.45
26	7318P26N X1 X2	30.48	32.99
28	7318P28N X1 X2	33.02	35.53
30	7318P30N X1 X2	35.56	38.07
32	7318P32N X1 X2	38.10	40.61
34	7318P34N X1 X2	40.64	43.15
36	7318P36N X1 X2	43.18	45.69
38	7318P38N X1 X2	45.72	48.23
40	7318P40N X1 X2	48.26	50.77

Material

Part	Material	Remark
Base	Glass-Filled PBT 94V-0 , Black	X1 = 3
	Hi-HDT Plastic 94V-0 , Black	X1 = 9
Contact	Phosphor Bronze, Tin-Plated	X2 = T
	Phosphor Bronze, Gold-Plated	X2 = 1

※ Available P/N of Halogen-Free replacement:

(xx : Circuit No.)

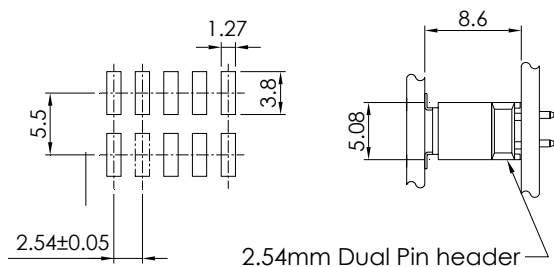
7318P xx N31-BNH

7318P xx N3T-BNH

7318P xx N91-BNH

7318P xx N9T-BNH

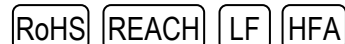
P.C. Board Layout / Assembly Layout



2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Board to Board Connector



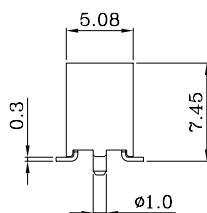
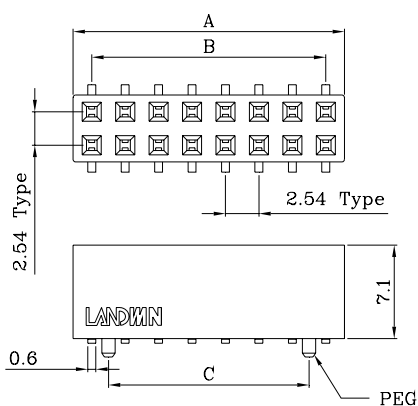
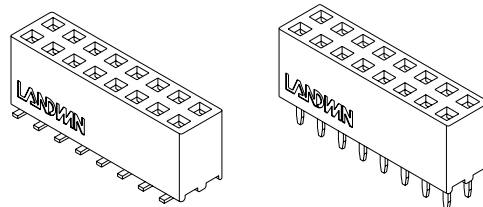
7318P Female Header

Specifications

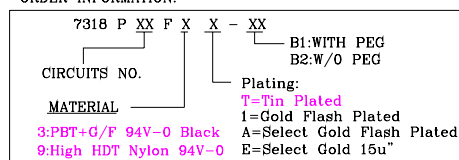
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Applicable PC Board Thickness: 1.6mm
- ◇ Circuits: 4P to 50P

Reference

- ◇ Mates with 7309P ~ 7314P Dual-Row Pin Headers



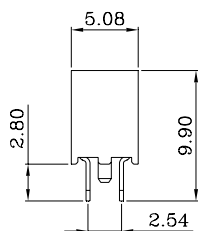
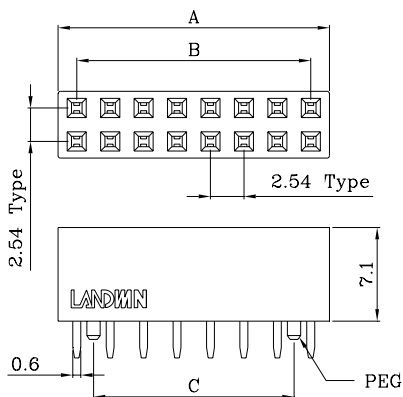
ORDER INFORMATION:



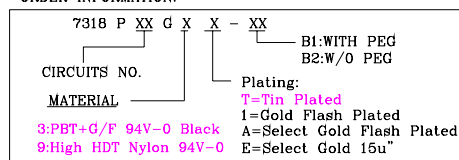
$$A = B + 2.84$$

$$B = (\text{Circuits No.}/2 - 1) * 2.54$$

$$C = B - 2.54$$



ORDER INFORMATION:



$$A = B + 2.84$$

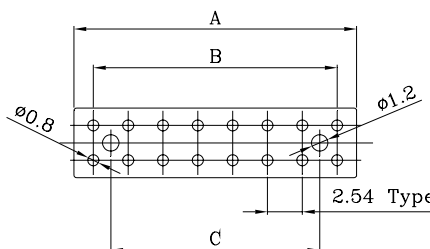
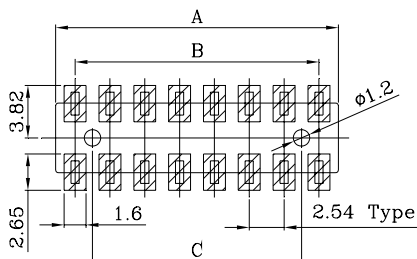
$$B = (\text{Circuits No.}/2 - 1) * 2.54$$

$$C = B - 2.54$$

※ Available P/N of Halogen-Free replacement:

(xx : Circuit No.)	
7317P xx F31-B1NH.	7317P xx F31-B2NH
7317P xx F3T-B1NH.	7317P xx F3T-B2NH
7317P xx F91-B1NH.	7317P xx F91-B2NH
7317P xx F9T-B1NH.	7317P xx F9T-B2NH
7317P xx G31-B1NH.	7317P xx G31-B2NH
7317P xx G3T-B1NH.	7317P xx G3T-B2NH
7317P xx G91-B1NH.	7317P xx G91-B2NH
7317P xx G9T-B1NH.	7317P xx G9T-B2NH

P.C. Board Layout / Assembly Layout



2.54 Pitch SERIES CONNECTOR



2.54 mm Pitch Board to Board Connector

RoHS REACH LF HFA

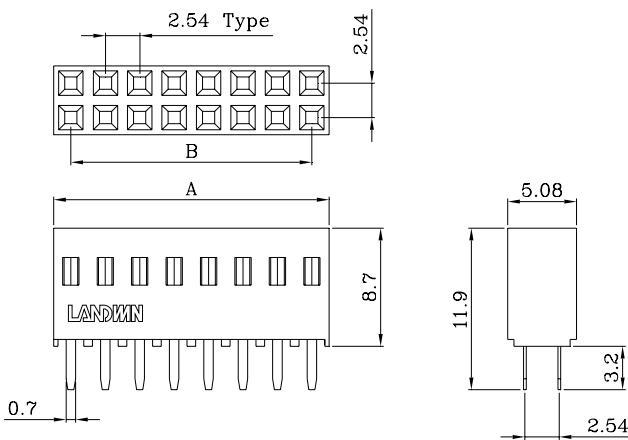
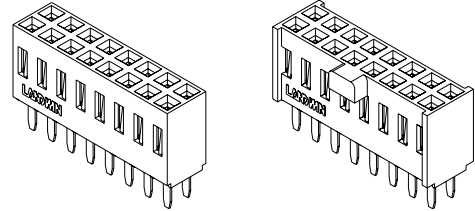
7318P Female Header DIP Header

■ Specifications

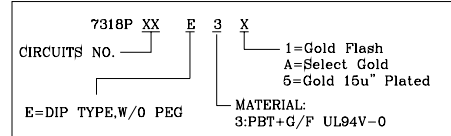
- ◇ Current rating: 3A AC/DC
- ◇ Voltage Range: 250V AC,DC
- ◇ Withstand Voltage: 500V AC/Minute
- ◇ Contact Resistance: 20 mΩ Max. before environment test
- ◇ Insulation Resistance: 1000 MΩ Min.
- ◇ Temperature Range: -40°C to 105°C
- ◇ Hole Dia. Of PC Board: 0.9mm
- ◇ Applicable PC Board Thickness: 1.6mm
- ◇ Circuits: 4P to 50P

■ Reference

- ◇ Mates with 7309P ~ 7314P Dual-Row Pin Headers

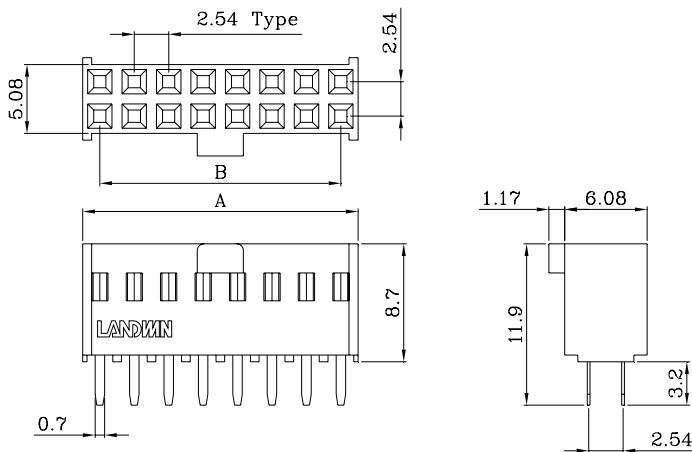


ORDER INFORMATION:

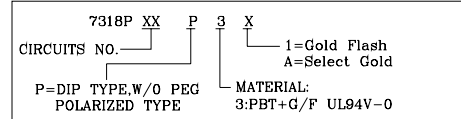


$$A = B + 2.51$$

$$B = (\text{Circuits No.}/2 - 1) * 2.54$$



ORDER INFORMATION:



$$A = B + 2.51$$

$$B = (\text{Circuits No.}/2 - 1) * 2.54$$

※ Available P/N of Halogen-Free replacement:
 (xx : Circuit No.)
 7317P xx E31-BNH
 7317P xx E3A-BNH
 7317P xx P31-BNH
 7317P xx P3A-BNH

P.C. Board Layout / Assembly Layout

