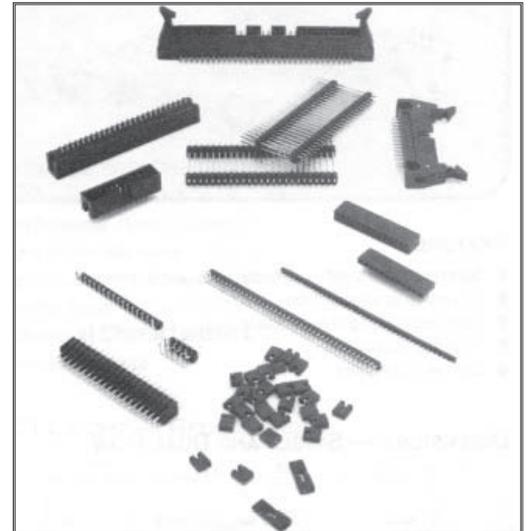


Headers

5210, 5220 Series - 0.05 (1.27 mm) Centers, Single and Dual Row	7-2
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210, 220, 230 Series - 0.1 (2.54 mm) Centers Single, Dual and Three Row	7-11
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S100, S200, S300 Series - 0.1 (2.54 mm) Centers	7-18
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HEADERS

5210, 5220 Series

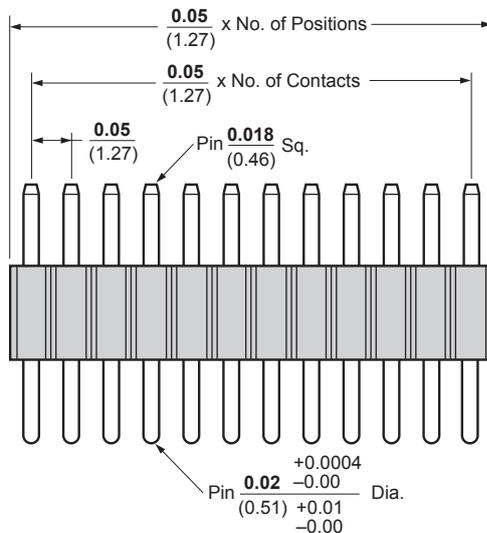
0.05 (1.27mm) Centers, Single and Dual Row



FEATURES

- Stack headers end-to-end or side-to-side without loss of positions
- Easy breakaway to required size
- Tin or three types of gold plating options
- Single row, 1-32 positions
- Dual row, 2-80 positions

DIMENSIONS — SINGLE AND DUAL ROW



MAXCONN - (Back to Table of Contents)

PERFORMANCE SPECIFICATIONS

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: 1 – Tin: 100 microinch tin over 70 microinch copper
 2 – 10 microinch gold over 50 microinch nickel
 3 – 15 microinch gold over 50 microinch nickel
 4 – 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

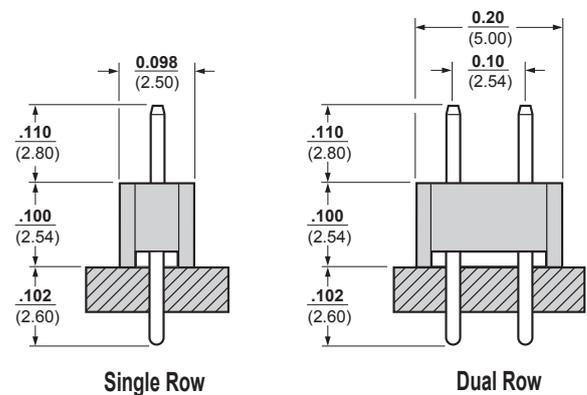
Dielectric Withstanding Voltage: 1000Vrms

Insulation Resistance: 5,000 megohms minimum

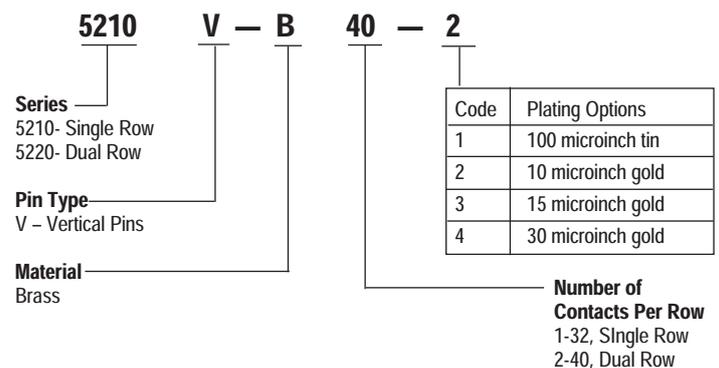
Temperature Rating: -55° C to +125° C

Mechanical Characteristics

Pin Push-Out Force: 3 lbs



HOW TO ORDER



HEADERS

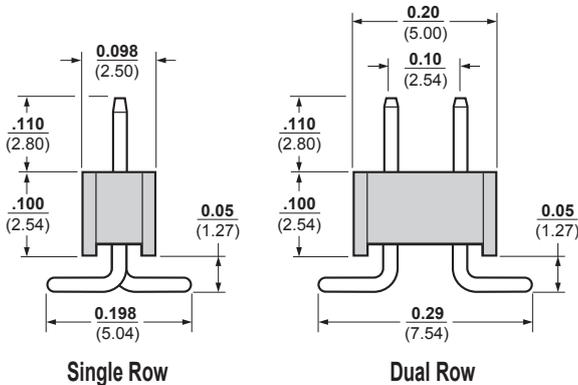
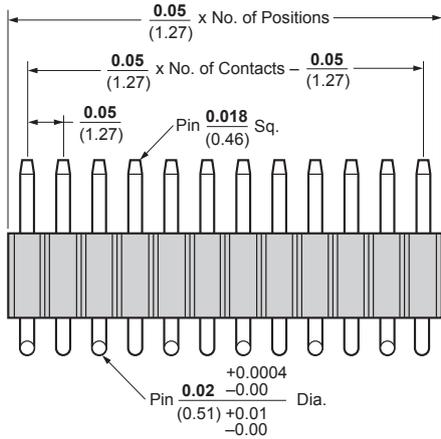
5S210, 5S220 Series
0.05 (1.27mm) Centers, Surface
Mount, Single and Dual Row



FEATURES

- Ideal for board stacking applications
- Notches for easy breakaway
- Single row, 1 to 32 positions
- Dual row, 2 to 80 positions

DIMENSIONS – SINGLE AND DUAL ROW



MAXCONN - (Back to Table of Contents)

Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: 1 – Tin: 100 microinch tin over 70 microinch copper
 2 – 10 microinch gold over 50 microinch nickel
 3 – 15 microinch gold over 50 microinch nickel
 4 – 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000Vrms

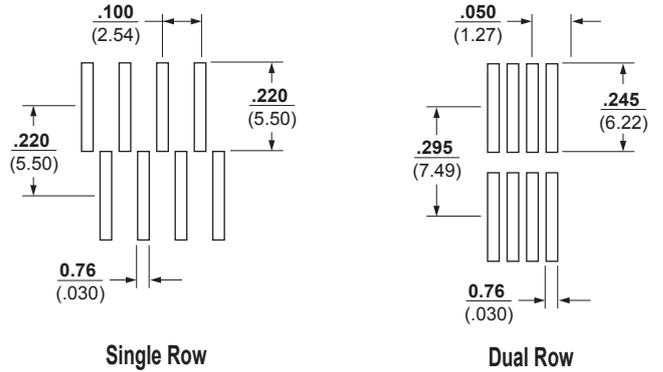
Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

Mechanical Characteristics

Pin Push-Out Force: 3 lbs

PCB LAYOUT — RECOMMENDED



HOW TO ORDER

5S210 - 32 - V - 2

Series
 5S210 – Single row
 5S220 – Dual row

Number of Contacts Per Row
 1 to 32 Single Row
 2 to 40 Dual Row

Connector Type
 V – Vertical

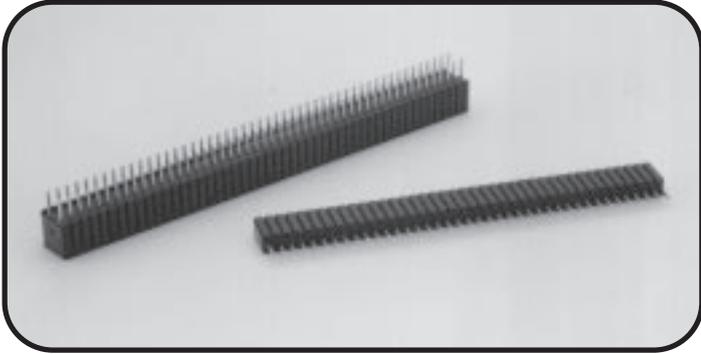
Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

HEADERS

5410, 5420 Series

0.05 (1.27mm) Centers

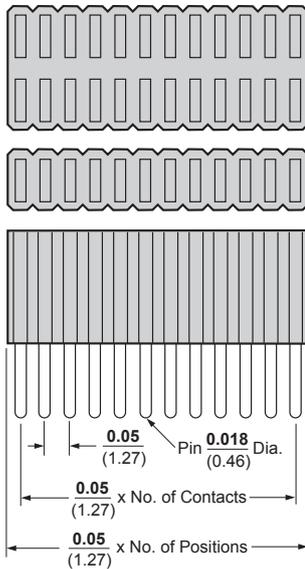
Single and Dual Row



FEATURES

- Low profile and high density is suitable for devices which require small and light internal parts
- High reliability contact structure provides normal-force after repeated cycles
- Mating with 1.27mm pitch 0.46mm square pin headers
- Single row 2 to 50 positions
- Dual row 4 to 100 positions

DIMENSIONS – SINGLE AND DUAL ROW



MAXCONN - [\(Back to Table of Contents\)](#)

Performance Specifications
Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Phosphor bronze

- Contact Finish:**
- 1 – Tin: 100 microinch tin over 70 microinch copper
 - 2 – 10 microinch gold over 50 microinch nickel
 - 3 – 15 microinch gold over 50 microinch nickel
 - 4 – 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

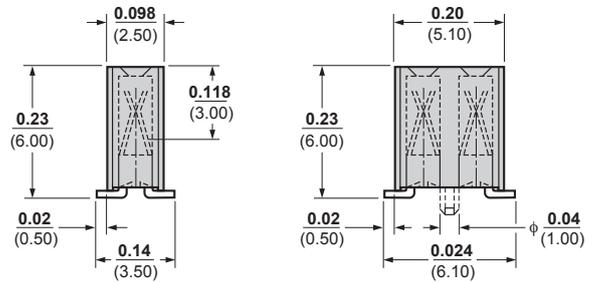
Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000 Vdc minimum

Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

Pin Push-Out Force: 3 lbs



Single Row

Dual Row

HOW TO ORDER

5410 - 40 - 2

Series
5410 Single Row
5420 Dual Row

Number of Contacts Per Row
5410 – 2 to 50 Single Row
5420 – 4 to 100 Dual Row

Code	Plating Options
1	100 microinch tin
2	10 microinch gold (Standard)
3	15 microinch gold
4	30 microinch gold

HEADERS

5S410, 5S420 Series

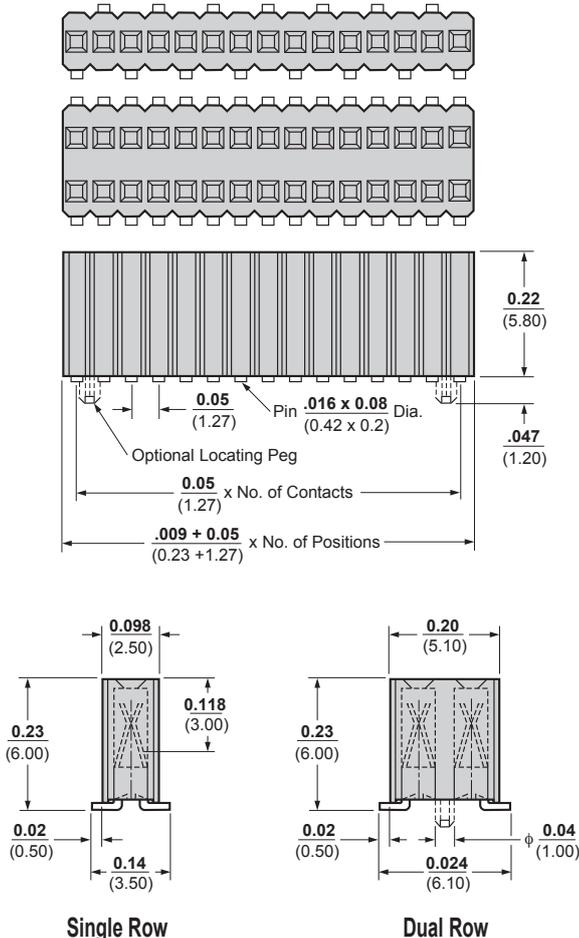
0.05 (1.27mm) Centers, Surface Mount, Single and Dual Row



FEATURES

- Low profile: 6.0mm height
- Dual beam phosphor bronze contacts
- Designed for board to board small spacing interconnection
- Mating with 1.27mm pitch 0.46mm square headers
- Single row – 4 to 50 positions
- Dual row – 8 to 60 positions

DIMENSIONS – SINGLE AND DUAL ROW



MAXCONN - [\(Back to Table of Contents\)](#)

Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Phosphor bronze

Contact Finish:

- 1 – Tin: 100 microinch tin over 70 microinch copper
- 2 – 10 microinch gold over 50 microinch nickel
- 3 – 15 microinch gold over 50 microinch nickel
- 4 – 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000 Vdc minimum

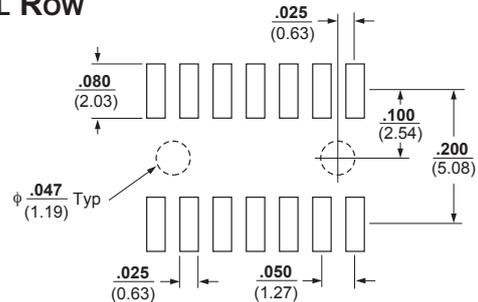
Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

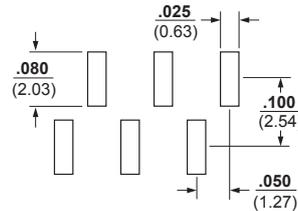
Pin Push-Out Force: 3 lbs

PCB LAYOUT – RECOMMENDED

DUAL ROW



SINGLE ROW



HOW TO ORDER

5S410 - 40 - 2

Series

5S410 Single Row
5S420 Dual Row

Blank – Without Peg
L – With Peg

Number of Contacts Per Row

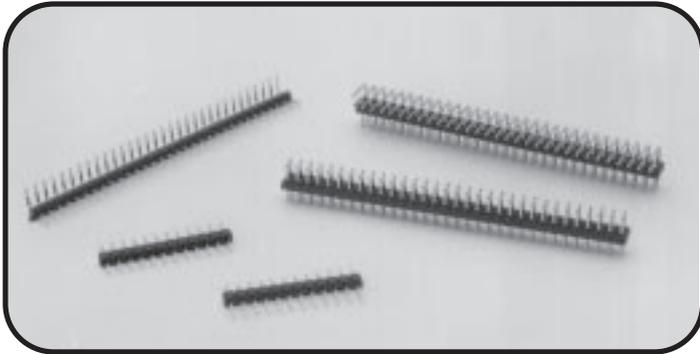
5410 – 4 to 50 Single Row
5420 – 8 to 60 Dual Row

Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

2M210, 2M220 Series

0.079 (2mm) Centers

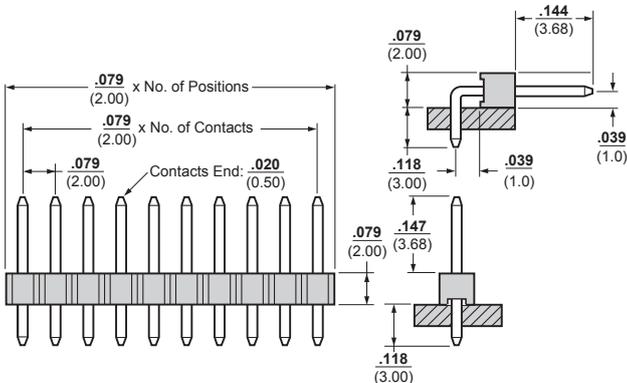
Single and Dual Row



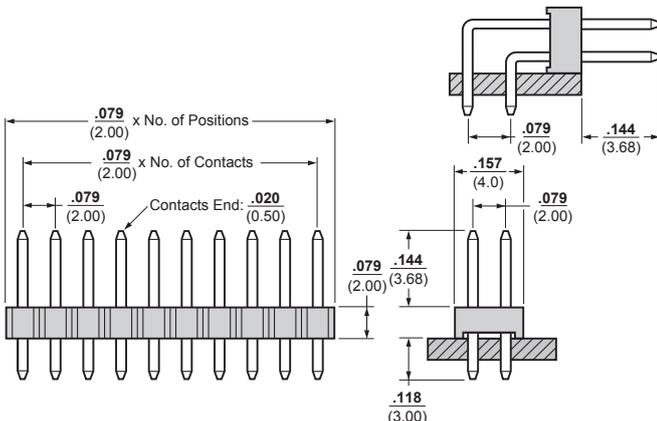
FEATURES

- 0.020 (0.50mm) square contact post
- 0.079 (2mm) centers between post spacing
- Stack headers end to end or side to side without loss of positions
- Mates with 0.079 x 0.079 grid female connector
- Single row from 1 to 40 positions
- Dual row from 2 to 40 positions
- ANY pin can be void of gold plating option
- Tin or three types of gold plating options
- Any pin length available to 3.5 inches maximum

DIMENSIONS — SINGLE ROW



DIMENSIONS — DUAL ROW



Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

Gold: (A) 10 microinch gold over 50 microinch nickel

(B) 15 microinch gold over 50 microinch nickel

(C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000Vrms

Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to +125° C

Mechanical Characteristics

Pin Push-Out Force: 3 lbs

HOW TO ORDER

2M210 V - B 10 A - 2

Series

2M210 – Single row

2M220 – Dual row

Type of Pins

V – Vertical pins

R – Right angle pins

B – Brass

Number of

Contacts per Row

2M210 – 40 maximum

2M220 – 40 per row

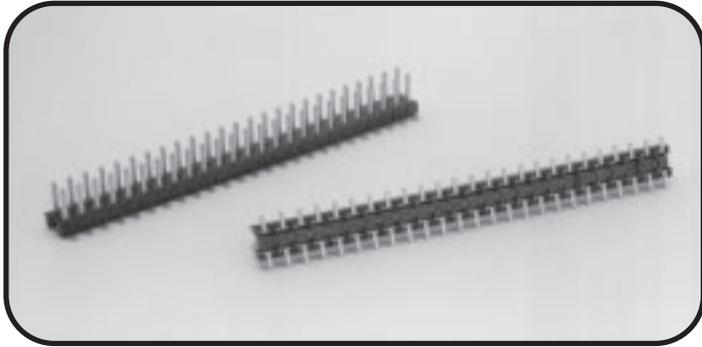
Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

Configuration	Code	Dimensions	
		A	B
Vertical	A	0.118	0.145
Right Angle	C	0.149	0.295
Vertical/Rt Angle	X	Any pin length available to 3.5 inches maximum (upon request)	

MALE HEADERS

2MS220 Series

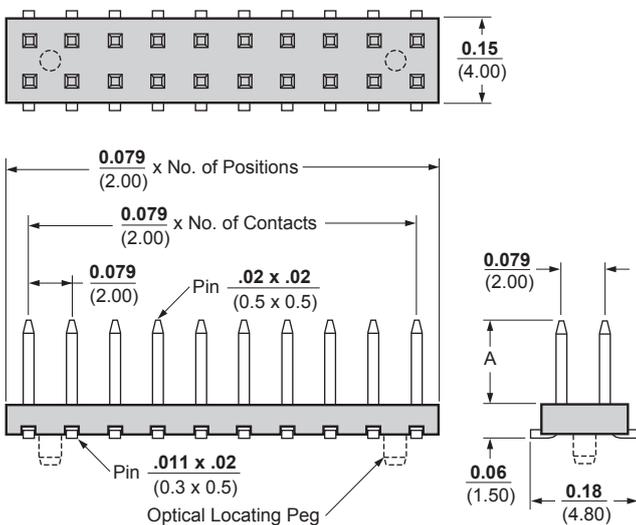
0.079 (2mm) Centers, Surface Mount, Dual Row



FEATURES

- 0.02 (0.50mm) square contact post
- 0.079 (2mm) centers between post spacing
- Stack headers end to end or side to side without loss of positions
- Mates with 0.079 x 0.079 grid female connector
- Dual row from 4 to 50 positions per row
- Any pin can be void of polarization
- Tin or three types of gold plating options
- Any pin length to 3.5 inches maximum

DIMENSIONS



MAXCONN - (Back to Table of Contents)

PERFORMANCE SPECIFICATIONS

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

Gold: (A) 10 microinch gold over 50 microinch copper

(B) 15 microinch gold over 50 microinch copper

(C) 30 microinch gold over 50 microinch copper

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000Vrms

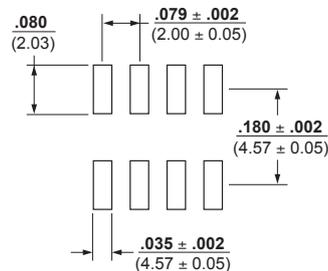
Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

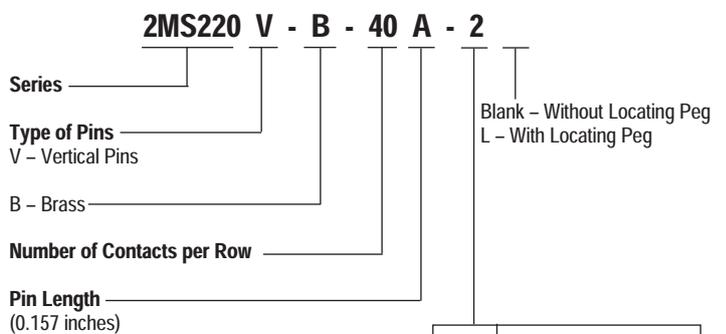
Mechanical Characteristics

Pin Push-Out Force: 3 lbs

PCB LAYOUT



HOW TO ORDER

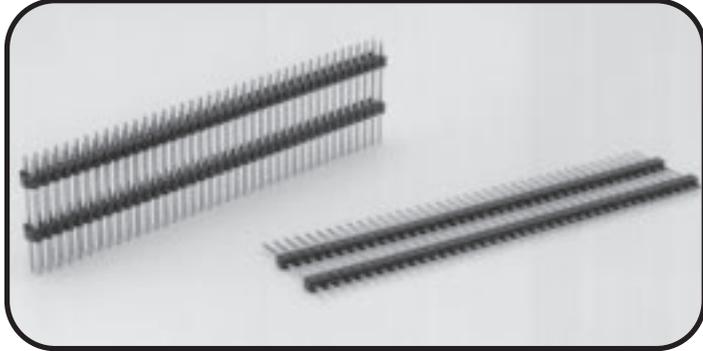


Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

2M210BS, 2M220BS Series

0.079 (2mm) Centers

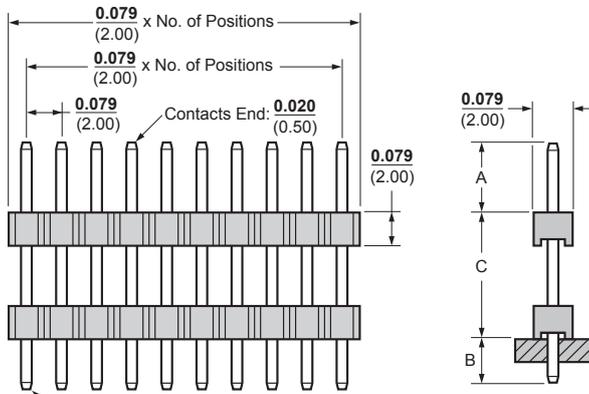
Single and Dual Row



FEATURES

- 0.020 (0.50mm) square contact post
- 0.079 (2mm) centers between post spacing
- Single row from 2 to 40 positions
- Dual row from 4 to 80 positions
- Tin or three types of gold plating options
- Side and end stackable (on unbroken edges)
- Notches for easy breakage
- Maintains dimension between two PC boards
- Standoffs facilitate post soldering clean

DIMENSIONS – 2M210BS SINGLE ROW



Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

Gold: (A) 10 microinch gold over 50 microinch nickel

(B) 15 microinch gold over 50 microinch nickel

(C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 1 amp

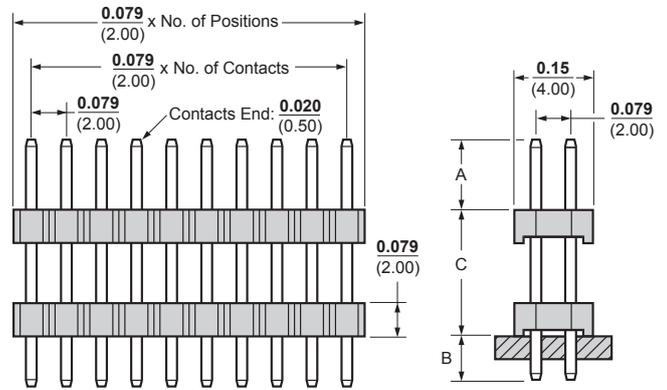
Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 630Vdc minimum

Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

DIMENSIONS – 2M220BS DUAL ROW



HOW TO ORDER

2M210BS - V - B 40 - .XXX - .XXX - .XXX - 2

Series
2M210BS – Single Row
2M220BS – Double Row

Contacts
V – Vertical

Contacts
B – Brass

Number of Contacts
Per Row

Dimension B
Dimension A **Dimension C**

Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

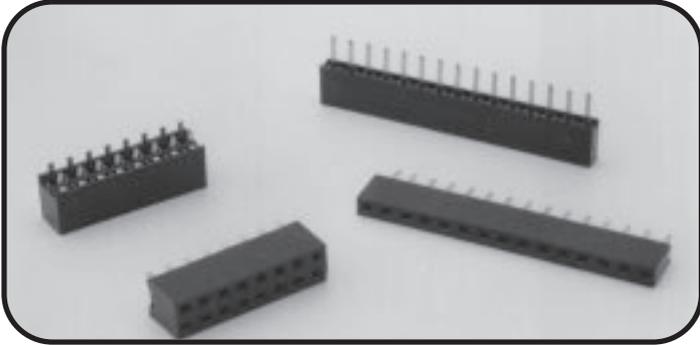
HEADERS

MAXCONN - (Back to Table of Contents)

2M410, 2M420 Series

0.079 (2mm) Centers

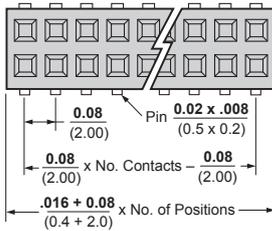
Single and Dual Row



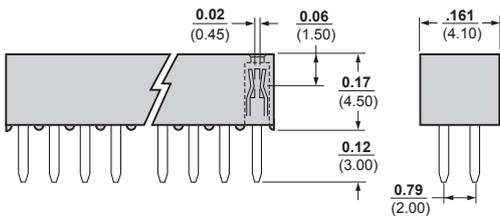
FEATURES

- Low profile: 4.3mm height
- Designed for parallel and vertical board stacking
- Mating with 2.0mm grid, dual row male header
- 4-80 positions

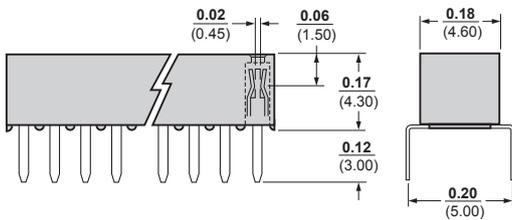
DIMENSIONS – 2M420 DUAL ROW



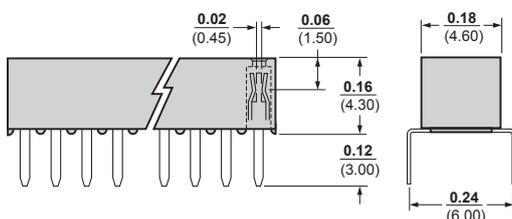
DIMENSIONS – 2M420 TOP ENTRY



DIMENSIONS – 2M421 TOP/BOTTOM ENTRY



DIMENSIONS – 2M422 TOP/BOTTOM ENTRY



Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Phosphor bronze

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

Gold: (A) 10 microinch gold over 50 microinch nickel

(B) 15 microinch gold over 50 microinch nickel

(C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000Vdc minimum

Insulation Resistance: 5,000 megohms minimum

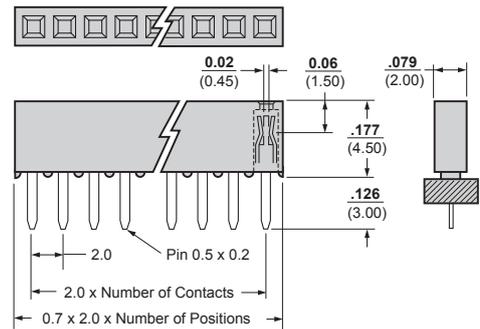
Temperature Rating: -55° C to + 125° C

Mechanical Characteristics

Pin Push-Out Force: 3 lbs

DIMENSIONS – SINGLE ROW

2M410 – TOP ENTRY



How To ORDER

2M410 - 10 - 2

- Series**
- 2M410 – Single row top entry
 - 2M420 – Dual row top entry
 - 2mm between rows
 - 2M421 – Dual row top/bottom entry
 - 5mm between rows
 - 2M422 – Dual row top/bottom entry
 - 6mm between rows

Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

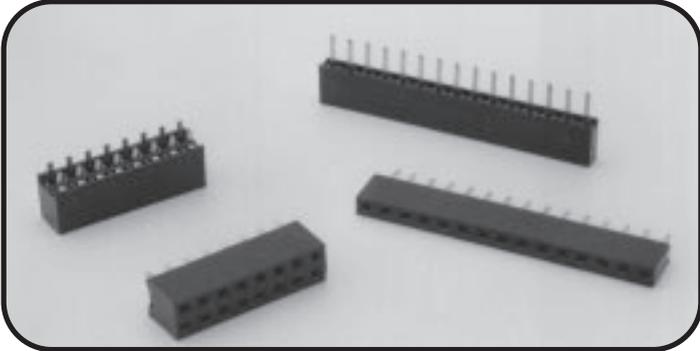
Number of Contacts per Row

- Single – 2 to 40
- Dual – 4 to 80

HEADERS

2MS420 Series

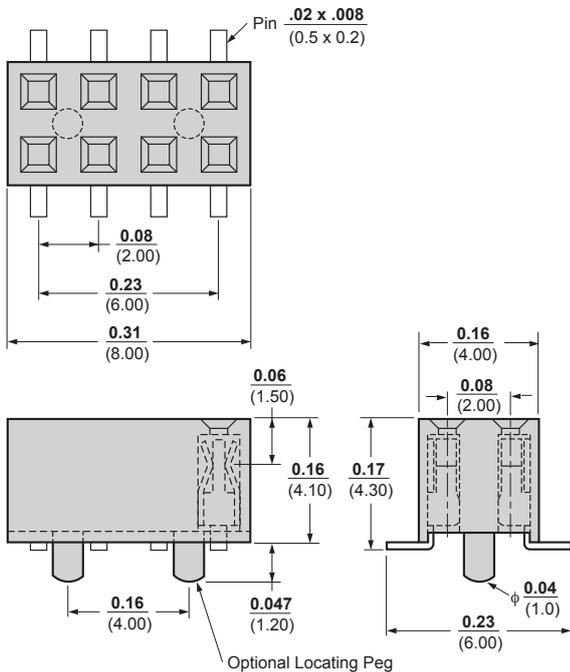
0.079 (2mm) Surface Mount, Dual Row, 6 to 60 Positions



FEATURES

- Low profile: 4.1mm height
- Dual beam phosphor bronze contacts
- Designed for board to board small spacing interconnection
- Mating with 1.27mm pitch 0.46mm square headers

DIMENSIONS



MAXCONN - [\(Back to Table of Contents\)](#)

Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Phosphor Bronze

Contact Finish:

- 1 Tin: 100 microinch tin over 70 microinch copper
- 2 – 10 microinch gold over 50 microinch nickel
- 3 – 15 microinch gold over 50 microinch nickel
- 4 – 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000Vrms

Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

Mechanical Characteristics

Pin Push-Out Force: 3 lbs

HOW TO ORDER

2MS420 - 60 - 1

Series **2MS420**

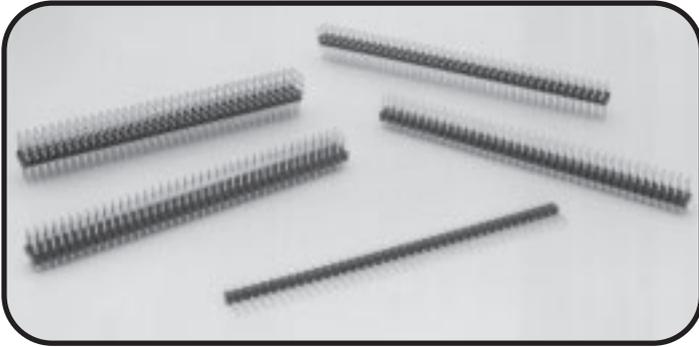
Number of Contacts **6 to 60**

Blank – Without Locating Peg
L – With Locating Peg

Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

HEADERS

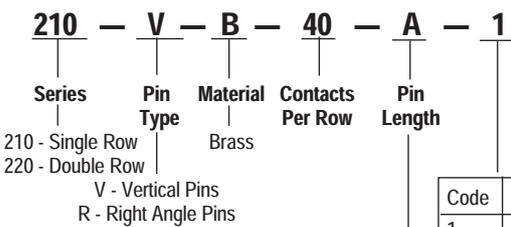
210, 220, 230 Series 0.1 (2.54mm) Centers Single, Dual and Three Row



FEATURES

- 0.025 (0.635) square contact post
- 0.100 (2.54) centers between post spacing
- Stack headers end-to-end or side-to-side without loss of positions
- Mates with 0.100 x 0.100 grid female connector
- Available in five options: single, dual, and three rows with vertical or right angle configurations
- Easy breakaway to required size
- Single row from 1 to 40 positions
- Dual row from 2 to 40 positions per row
- Three rows from 3 to 40 positions per row
- Any pin can be void for polarization
- Tin or three types of gold plating options
- Any pin length available to 3.5 inches maximum

HOW TO ORDER — 210, 220 SERIES



Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

Configuration	Code	Dimensions	
		A	B
Vertical	A	0.100	0.220
Vertical	B	0.149	0.295
Right Angle	C	0.149	0.295
Vertical/Rt Angle	X	Any pin length available to 3.5 inches maximum (upon request)	

MAXCONN - [\(Back to Table of Contents\)](#)

Performance Specifications Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

- Gold: (A) 10 microinch gold over 50 microinch nickel
(B) 15 microinch gold over 50 microinch nickel
(C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000Vrms

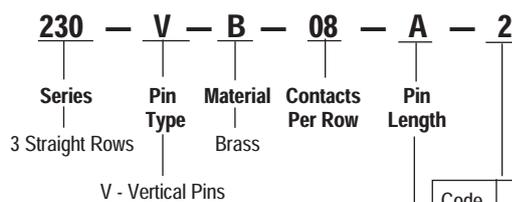
Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

Mechanical Characteristics

Pin Push-Out Force: 3 lbs

HOW TO ORDER — 230 SERIES



Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

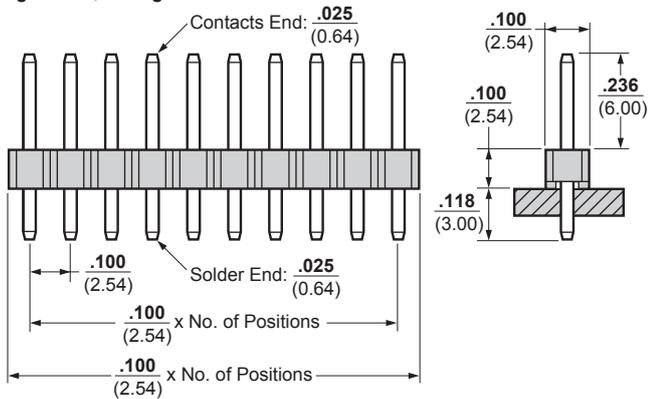
Configuration	Code	Dimensions	
		A	B
Vertical	C	0.120	0.230

HEADERS

210, 220, 230 Series 0.1 (2.54mm) Centers Single, Dual and Three Row

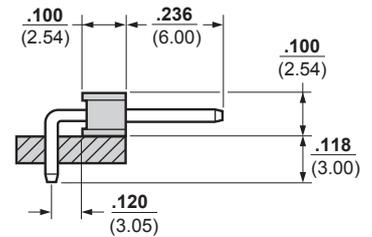
Mounting Options

210V Series Single Row, Straight

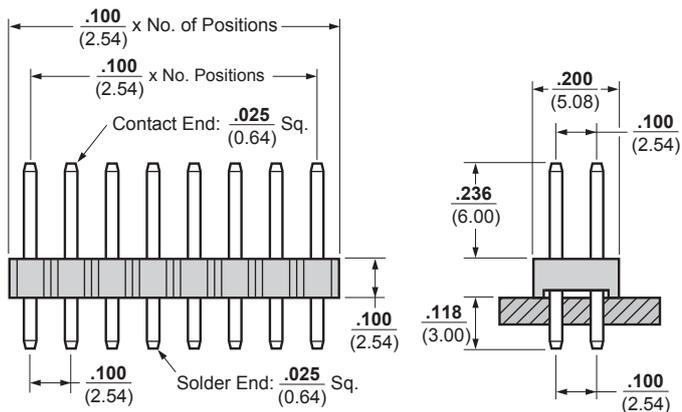


MAXCONN - (Back to Table of Contents)

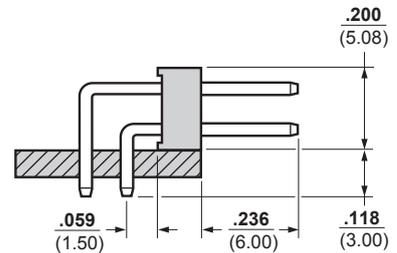
210R Series Single Row, Right Angle



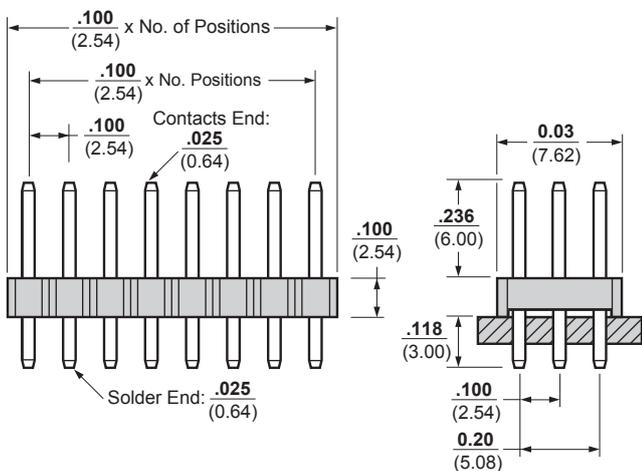
220V Series Dual Row, Straight



220R Series Dual Row, Right Angle



230 Series Three Row, Straight

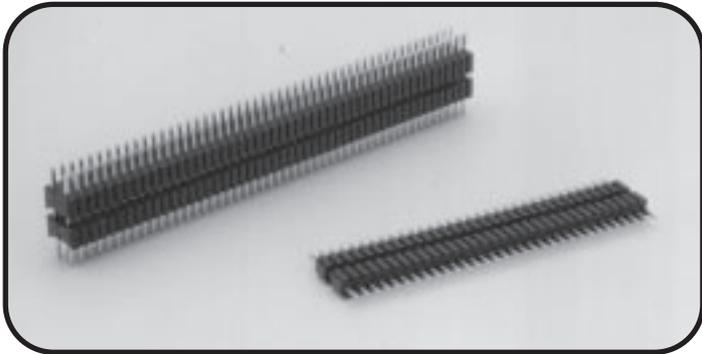


HEADERS

210BS, 220BS Series

0.1 (2.54mm) Centers

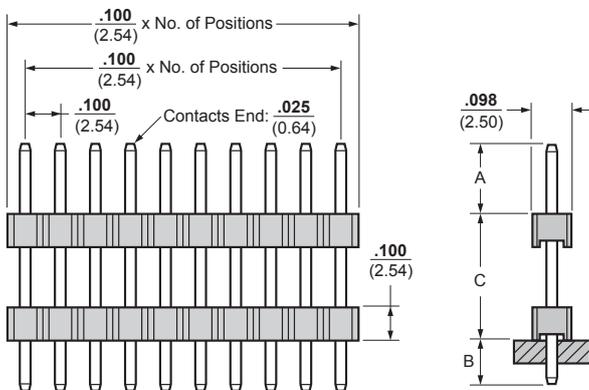
Single and Dual Row



FEATURES

- 0.025 (0.635) square contact post
- 0.100 (2.54) centers between post spacing
- Single row from 2 to 40 positions
- Dual row from 4 to 80 positions
- Tin or three types of gold plating options
- Side and end stackable (on unbroken edges)
- Notches for easy breakage
- Maintains dimension between two PC boards
- Standoffs facilitate post soldering cleaning

DIMENSIONS – 210BS (SINGLE ROW)



MAXCONN - (Back to Table of Contents)

Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

Gold: (A) 10 microinch gold over 50 microinch nickel

(B) 15 microinch gold over 50 microinch nickel

(C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 1 amp

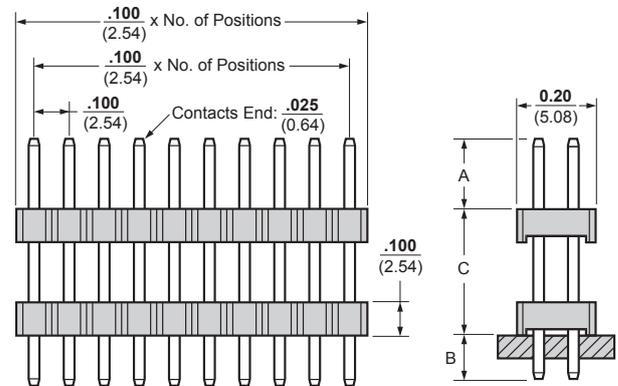
Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 500 Vdc minimum

Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

DIMENSIONS – 220BS (DUAL ROW)



HOW TO ORDER

210BS - V - B 40 - .XXX - .XXX - .XXX - 2

Series
210BS – Single Row
220BS – Dual Row

Contacts
V – Vertical

Contacts
B – Brass

Number of Contacts
Per Row

Dimension B
Dimension A **Dimension C**

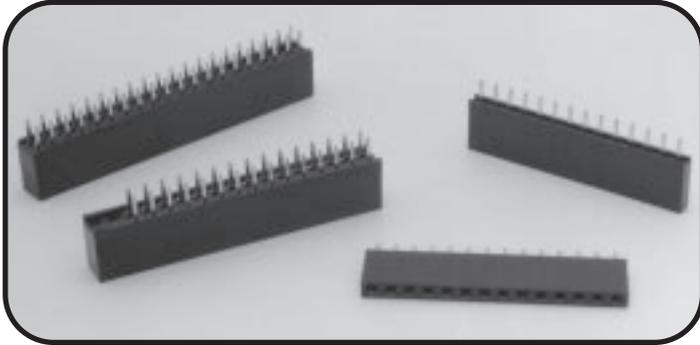
Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

HEADERS

410, 420 Series

0.1 (2.54mm) Centers

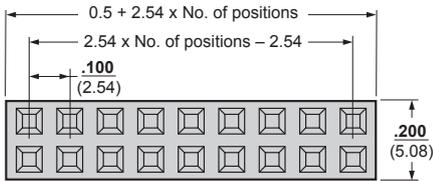
Single and Dual Row



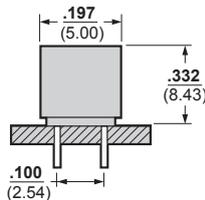
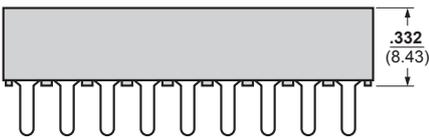
FEATURES

- Mates with 0.025 (0.635mm) square contact post
- Available in four options: single or dual rows, with straight tails
- Single row from 4 to 86 positions
- Dual row from 4 to 40 positions
- 0.100 x 0.100 grid

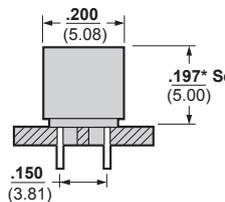
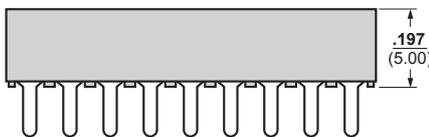
DIMENSIONS – 420 DUAL ROW



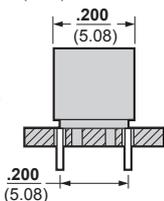
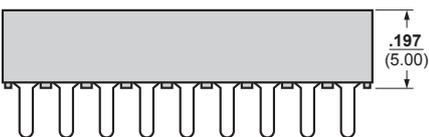
420 – TOP ENTRY



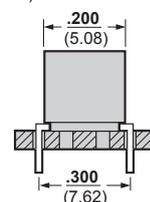
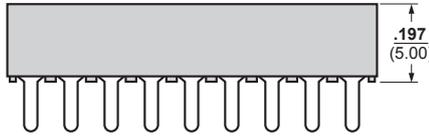
421 – TOP/BOTTOM ENTRY



422 – TOP/BOTTOM ENTRY



423 – TOP/BOTTOM ENTRY



MAXCONN - [\(Back to Table of Contents\)](#)

PERFORMANCE SPECIFICATIONS

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Phosphor bronze

Contact Finish: 1 – Tin: 100 microinch tin over 70 microinch copper
 2 – 10 microinch gold over 50 microinch nickel
 3 – 15 microinch gold over 50 microinch nickel
 4 – 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000Vdc minimum

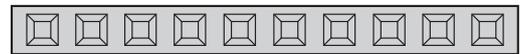
Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to +125° C

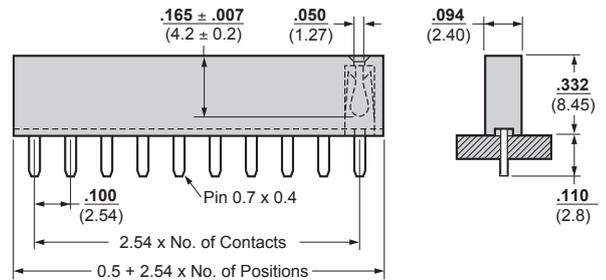
Mechanical Characteristics

Pin Push-Out Force: 3 lbs

DIMENSIONS – 410 SINGLE ROW



410 – TOP ENTRY



HOW TO ORDER

410 - 40 - 1

Series

- 410 – Single row top entry
- 420 – Dual row top entry
2.54mm between rows
- 421 – Dual row top/bottom entry
3.81mm between rows
- 422 – Dual row top/bottom entry
5.08mm between rows
- 423 – Dual row top/bottom entry
7.62mm between rows

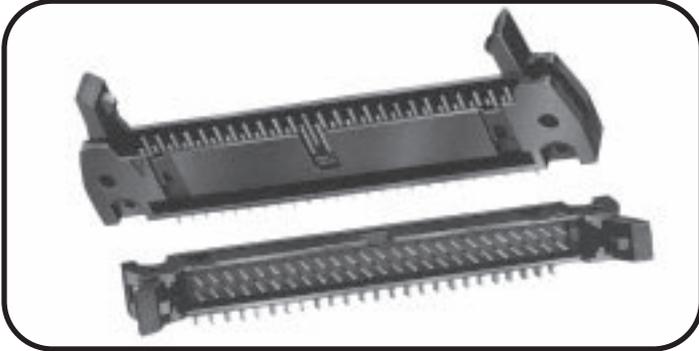
Number of Contacts per Row

- Single – 2 to 40
- Dual – 4 to 80

Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

HEADERS

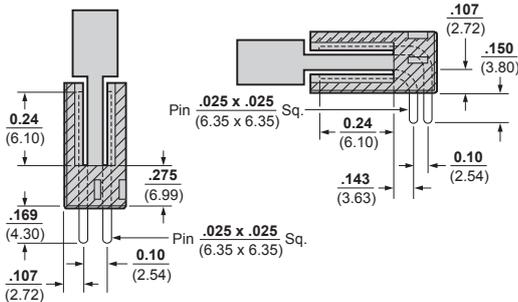
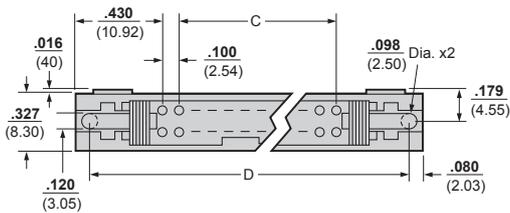
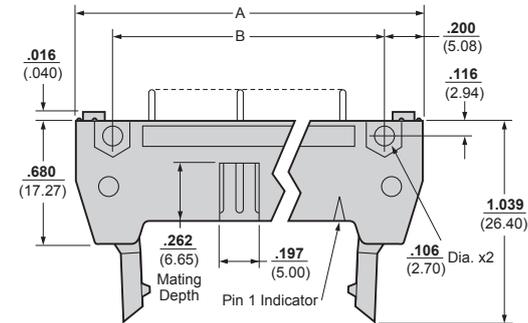
EH Series 0.1 (2.54mm) Centers Dual Row



FEATURES

- Fully shrouded construction for added pin protection
- Available in 10, 14, 16, 20, 26, 34, 40, 50, and 64 positions
- Available in vertical or right angle mounting configurations
- Optional latches are available
- Mates with .100 x .100 grid female connector
- Tin or three types of gold plating options

DIMENSIONS



Side View
Vertical

Side View
Right Angle

MAXCONN - (Back to Table of Contents)

Performance Specifications Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

- Gold: (A) 10 microinch gold over 50 microinch nickel
- (B) 15 microinch gold over 50 microinch nickel
- (C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000 VDC MINIMUM

Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

Mechanical Characteristics

Pin Push-Out Force: 14 lbs

Number of Contacts	Header Dimension			
	A	B	C	D
10	1.26 32.00	0.86 21.84	0.40 10.16	0.10 27.94
12	1.36 34.54	0.96 24.38	0.50 12.70	1.22 30.84
14	1.46 37.08	1.06 26.92	0.60 15.24	1.30 33.02
16	1.56 39.62	1.16 29.46	0.70 17.78	1.40 35.56
20	1.76 44.70	1.36 34.54	0.90 22.86	1/59 40.46
24	1.96 49.78	1.56 39.62	1.10 27.94	1.80 45.72
26	2.06 52.32	1.66 42.16	1.20 30.48	1.90 48.26
30	2.26 57.40	1.86 47.24	1.40 35.56	2.10 53.34
34	2.46 62.48	2.06 52.32	1.60 40.64	2.30 58.42
40	2.76 70.10	2.36 59.94	1.90 48.26	2.60 66.04
50	3.26 82.80	2.86 72.64	2.40 60.96	3.10 78.74
56	3.56 90.42	3.16 80.26	2.70 68.58	3.28 83.36
60	3.76 95.50	3.36 85.34	2.90 73.66	3.60 91.44
64	3.96 100.58	3.56 90.42	3.10 78.74	3.80 96.52

How To ORDER

EH - V - 10 - L - 2

Series
EH

Pins
V - Vertical pins
R - Right angle pins

Number of Positions
10 to 64

Ejector Latch
Blank - Without latch
L - With latch

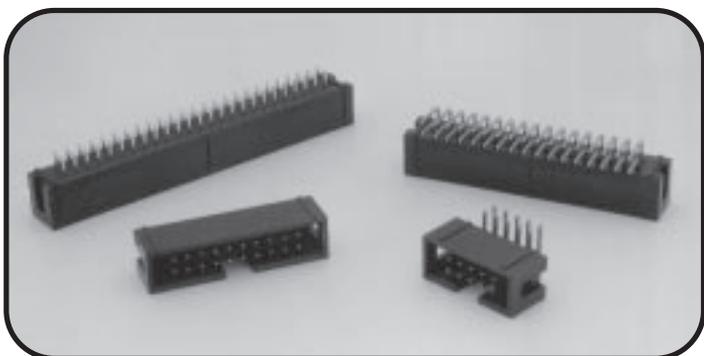
Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

HEADERS

SH Series

0.1 (2.54mm) Centers

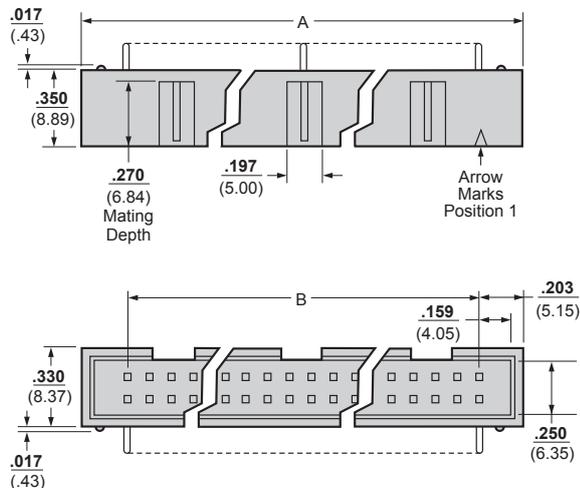
Dual Row



FEATURES

- Fully shrouded construction for added pin protection
- Available in 10, 14, 16, 20, 26, 34, 40, 50, 60, 64 positions
- Available in vertical or right angle mounting configurations
- Low profile
- Mates with .100 x .100 grid female connector
- Tin or three types of gold plating options

DIMENSIONS



No. of Pins	Header Dimensions	
	A	B
10	0.80	0.40
	20.30	10.16
12	0.90	0.50
	22.84	12.70
14	1.00	0.60
	25.38	15.24
16	1.10	0.70
	27.92	17.78
20	1.30	0.90
	33.00	22.86
24	1.50	1.10
	38.08	27.94
26	1.60	1.20
	40.62	30.48
30	1.80	1.40
	45.70	35.56

No. of Pins	Header Dimensions	
	A	B
34	2.00	1.60
	50.78	40.64
40	2.30	1.90
	58.40	48.26
44	2.50	2.10
	63.48	53.34
50	2.80	2.40
	71.10	60.96
56	3.10	2.70
	78.72	68.58
60	3.30	2.90
	83.80	73.66
64	3.50	3.10
	88.88	78.74

MAXCONN - [\(Back to Table of Contents\)](#)

Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

Gold: (A) 10 microinch gold over 50 microinch nickel

(B) 15 microinch gold over 50 microinch nickel

(C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

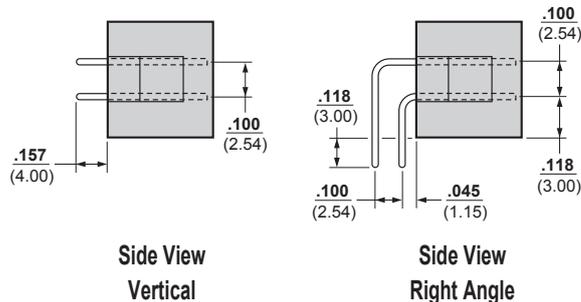
Dielectric Withstanding Voltage: 1000Vac

Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

Mechanical Characteristics

Pin Push-Out Force: 14 lbs



HOW TO ORDER

SH - V - 10 - 1

Series ————

Pin Style ————
V – Vertical pins
R – Right angle pins

Number of Positions ————
10 to 64
(See table)

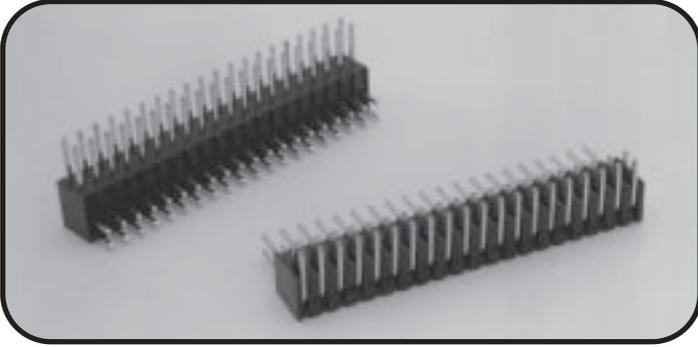
Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

HEADERS

320 Series

0.1 (2.54mm) Centers

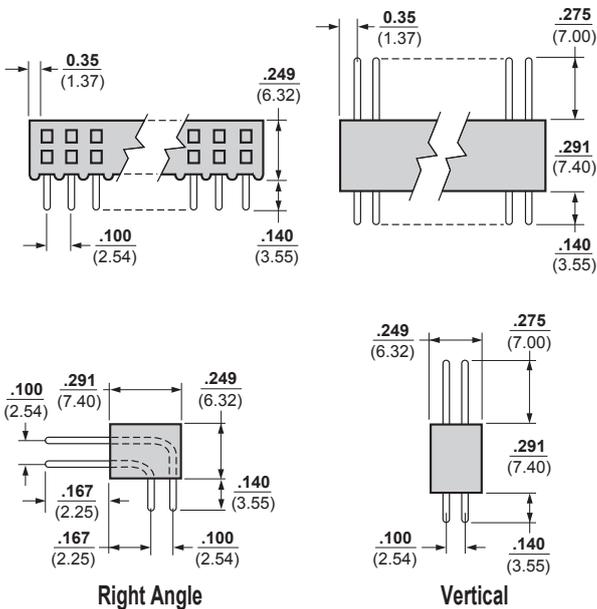
Dual Row



FEATURES

- Large plastic body for added mechanical stability and strength
- 0.025 (0.635mm) square contact post
- 0.100 (2.54mm) centers between post spacing
- Mates with 0.100 x 0.100 grid female connector
- Available in dual rows with vertical or right angle configuration
- Tin or three types of gold plating options
- Dual row from 2 to 80 positions

DIMENSIONS



MAXCONN - [\(Back to Table of Contents\)](#)

Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Brass

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

Gold: (A) 10 microinch gold over 50 microinch nickel

(B) 15 microinch gold over 50 microinch nickel

(C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 3 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000Vrms

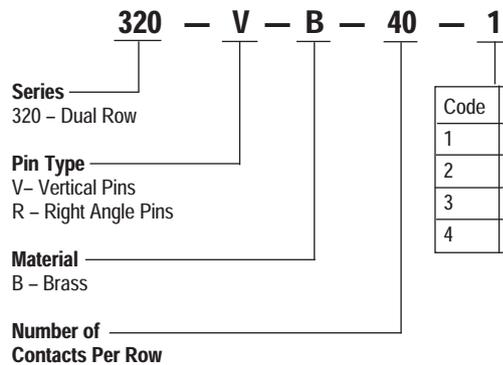
Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

Mechanical Characteristics

Pin Push-Out Force: 14 lbs

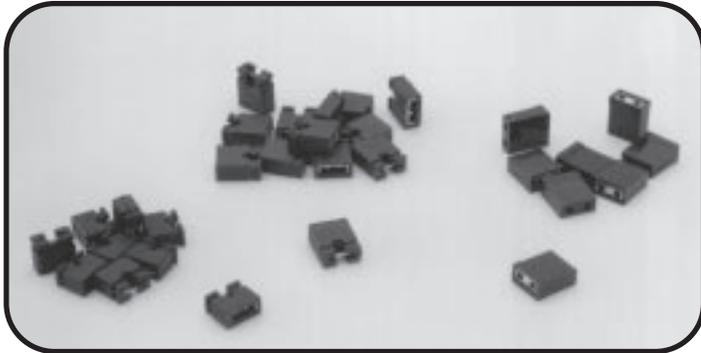
HOW TO ORDER



Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

S100, S200, S300 Series

0.1 (2.54mm) Centers

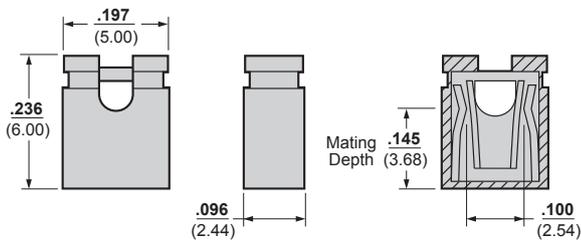


FEATURES

- Low or high insertion force is available
- Low or high profile is available
- Black or blue colors (other colors are available upon request)
- Mate with 0.025 (0.635) square contact post on 0.100 centers
- Unique dual leaf contact gives balanced forces and low resistance
- Chamfered entry for mating alignment
- Fully stackable side to side or end to end without loss of positions
- Tin of three types of gold plating options
- Open top to accommodate mating with long contact post

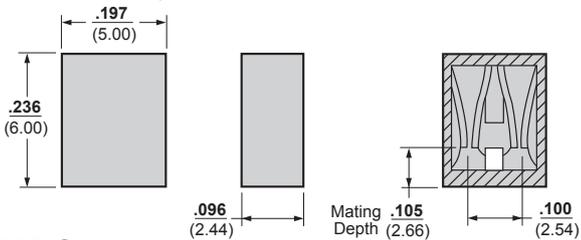
DIMENSIONS — S100 SERIES

HIGH PROFILE, LOW INSERTION FORCE



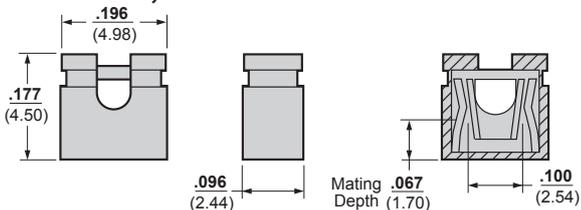
S200 SERIES

HIGH PROFILE, HIGH INSERTION FORCE



S300 SERIES

LOW PROFILE, LOW INSERTION FORCE



PERFORMANCE SPECIFICATIONS

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Phosfor Bronze

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

- Gold:
- (A) 10 microinch gold over 50 microinch nickel
 - (B) 15 microinch gold over 50 microinch nickel
 - (C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 2 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 630Vdc minimum

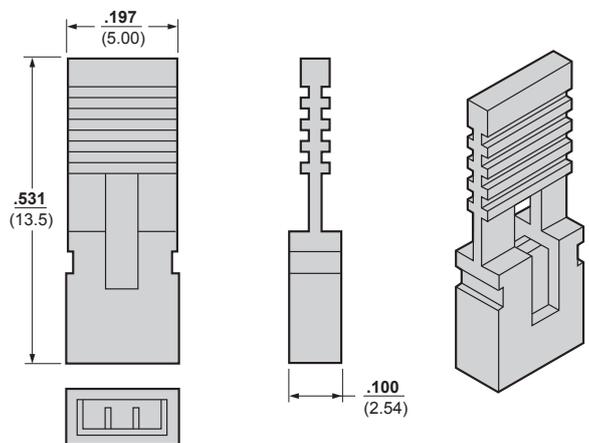
Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

Mechanical Characteristics

Series	Nominal Contact Separation Force	Nominal Contact Engagement Force
S100	4 ounce	4 ounce
S200	5 ounce	7 ounce
S300	4 ounce	4 ounce

S100 -T SERIES



HOW TO ORDER

S100 0 - T - 2

Series
S100
S200
S300

Color
0 - Black
6 - Blue

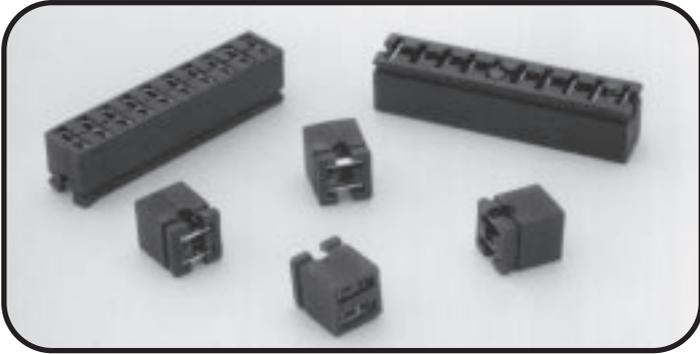
Tabs
Blank - Without tab
T - With tab

Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold

HEADERS

S9 Series

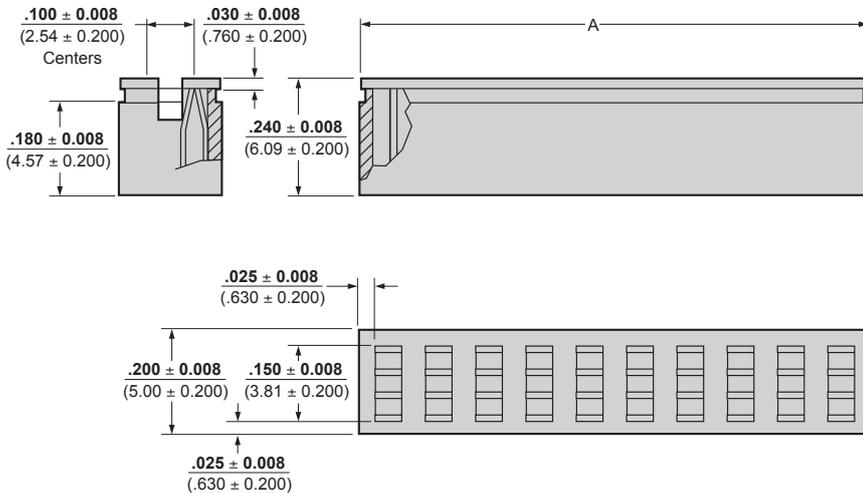
0.1 (2.54mm) Centers



FEATURES

- Two to ten positions
- Mates with 0.025 (0.635) square contact post on 0.100 centers
- Unique dual leaf contact gives balanced forces and low resistance
- Fully stackable side to side or end to end without loss of positions
- Tin or three types of gold plating options
- Open top to accommodate mating with long contact post

DIMENSIONS



No. of Shunts	Dimensions A
2	0.300
3	0.400
4	0.500
5	0.600
6	0.700
7	0.800
8	0.900
9	1.000
10	1.100

MAXCONN - [\(Back to Table of Contents\)](#)

Performance Specifications

Materials and Finish

Dielectric Body: PBT thermoplastic, black color, 30% glass filled, self-extinguishing, 94V-0 rated

Contact Material: Phosphor bronze

Contact Finish: Tin: 100 microinch tin over 70 microinch copper

Gold: (A) 10 microinch gold over 50 microinch nickel

(B) 15 microinch gold over 50 microinch nickel

(C) 30 microinch gold over 50 microinch nickel

Electrical Characteristics

Contact Current Rating: 2 amps

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 630Vdc minimum

Insulation Resistance: 5,000 megohms minimum

Temperature Rating: -55° C to + 125° C

HOW TO ORDER

S9 08 0 - 2

Series _____
S9

Number of Shunts _____
2 to 10

Color _____
0 - Black

Code	Plating Options
1	100 microinch tin
2	10 microinch gold
3	15 microinch gold
4	30 microinch gold