

Single Row Micro Strip

HORIZONTAL SMT (TYPE AA) ORDERING GUIDE

SERIES	# OF CONTACTS	TERMINATION TYPE	COMMON OPTIONS
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PS1
PIN CONNECTOR
Standard: .075" thick

PS2
PIN CONNECTOR
.100" thick



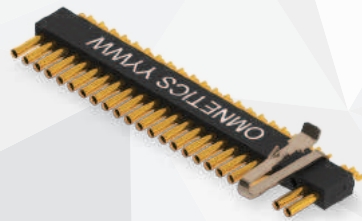
SSB
SOCKET CONNECTOR



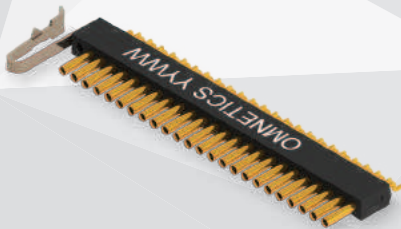
EXAMPLES:



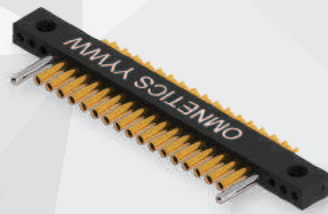
PS1-06-AA-M



SSB-24-AA-LT

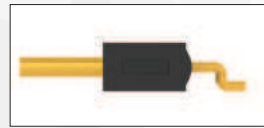


SSB-24-AA-LE



SSB-17-AA-M-GS

AA



G GUIDE POST/HOLE
GS MULTIPLE GUIDE POSTS/
HOLES



LE LATCH (END MOUNT)
LES MULTIPLE LATCHES
(END MOUNT)



LT LATCH (TOP MOUNT)
LTS MULTIPLE LATCHES
(TOP MOUNT)



M
MOUNTING HOLE



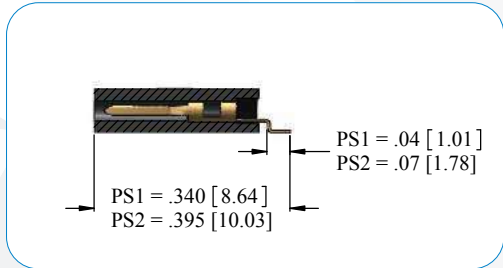
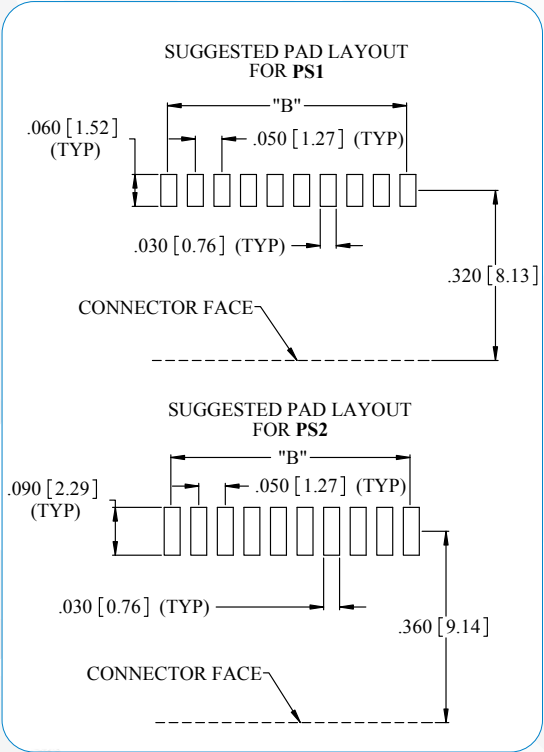
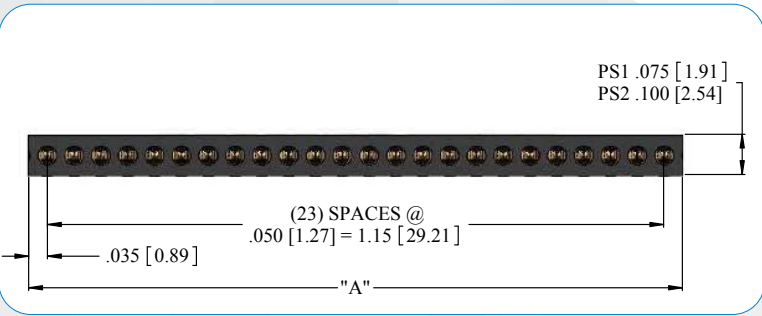
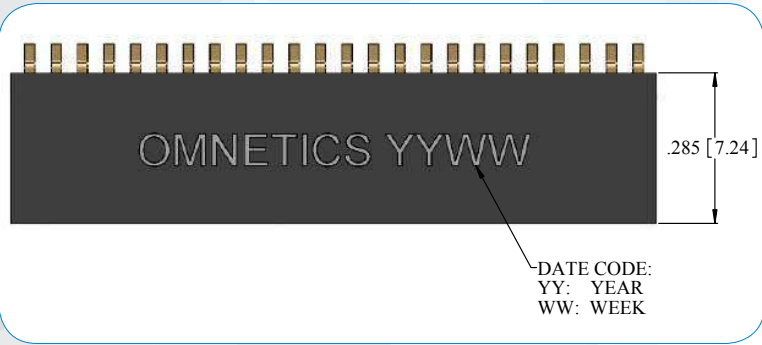
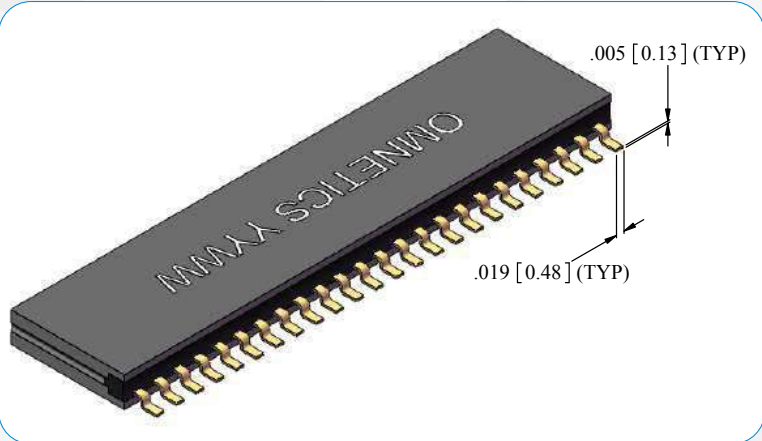
HT
HIGH TEMP

RoHS
RoHS
COMPLIANT



Single Row Micro Strip

PS1/PS2-AA LAYOUT



DIMENSIONS FOR "A"

To determine connector length "A":

Add the total number of contacts	_____
Add 1 contact cavity for each latch	_____
Add 1 contact cavity for each guide post	_____
Total contact cavities	_____
Multiply the number of contact cavities minus 1 by .050"	_____
Add .150" (3 contact cavities) for each mounting hole	_____
Add fixed end length	.070"
Total Length (Dimension A)	_____

Notes: Maximum length 2.42" (61.47). Maximum number of contact cavities is 48. Number of contacts must be reduced to accommodate hardware and mounting holes. Default locations for guide posts and latches may be changed by customer.

DIMENSIONS FOR "B"

To determine pad pattern layout length "B":

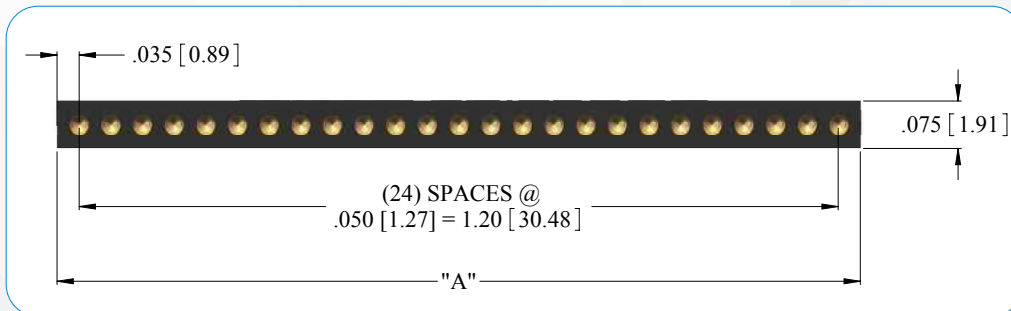
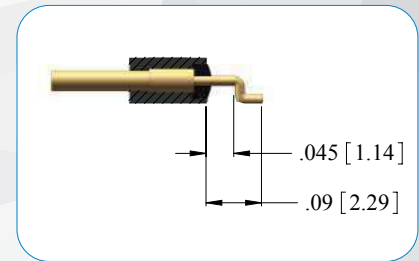
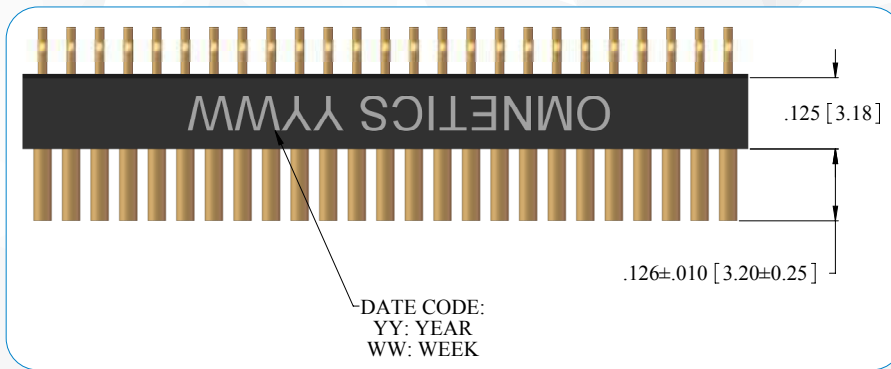
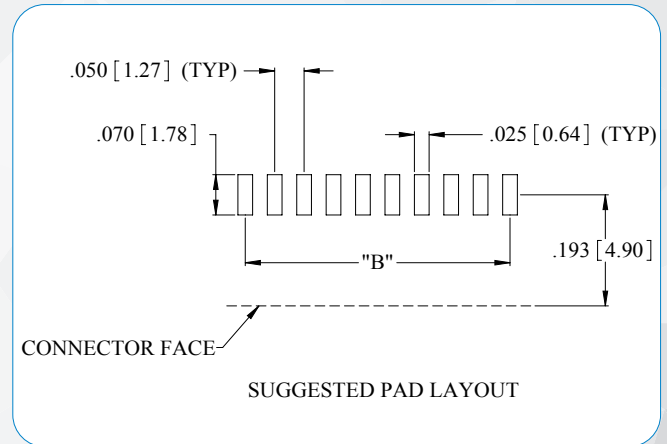
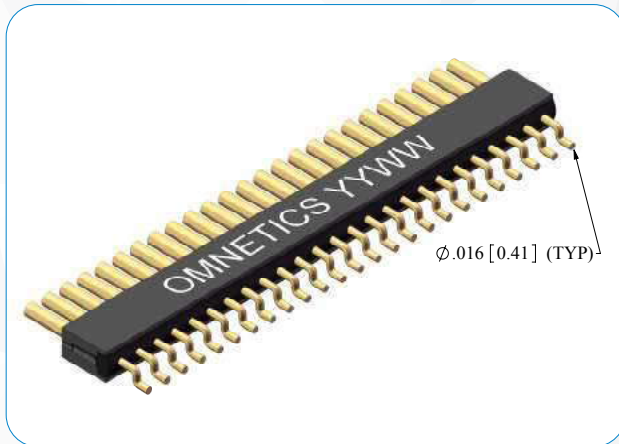
Multiply the number of contact cavities minus 1 by .050"	_____
If hardware features are within the contact area:	
Add .050" (1 contact cavity) for each latch	_____
Add .050" (1 contact cavity) for each guide post	_____
Add .150" (3 contact cavities) for each mounting hole	_____
Total Length (Dimension B)	_____

Notes: Maximum pad layout length 2.35" (59.69). Add .100" from center of mounting hole to first pad (if the first contact cavity is for a guide post or latch, .100" dimension must be adjusted).

Dimensions in [] are in Millimeters unless otherwise noted and are for reference only.

Single Row Micro Strip

SSB-AA LAYOUT



DIMENSIONS FOR "A"

To determine connector length "A":

Add the total number of contacts	_____
Add 1 contact cavity for each latch	_____
Add 1 contact cavity for each guide post	_____
Total contact cavities	_____
Multiply the number of contact cavities minus 1 by .050"	_____
Add .150" (3 contact cavities) for each mounting hole	_____
Add fixed end length	.070"
Total Length (Dimension A)	_____

Notes: Maximum length 2.42" (61.47). Maximum number of contact cavities is 48. Number of contacts must be reduced to accommodate hardware and mounting holes. Default locations for guide posts and latches may be changed by customer.

DIMENSIONS FOR "B"

To determine pad pattern layout length "B":

Multiply the number of contact cavities minus 1 by .050"	_____
If hardware features are within the contact area:	
Add .050" (1 contact cavity) for each latch	_____
Add .050" (1 contact cavity) for each guide post	_____
Add .150" (3 contact cavities) for each mounting hole	_____
Total Length (Dimension B)	_____

Notes: Maximum pad layout length 2.35" (59.69). Add .100" from center of mounting hole to first pad (if the first contact cavity is for a guide post or latch, .100" dimension must be adjusted).

Dimensions in [] are in Millimeters unless otherwise noted and are for reference only.

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HORIZONTAL SMT (TYPE AA)

Horizontal SMT Micro Strip connectors offer an extremely low profile package that is well suited to pick and place methods. These connectors feature Omnetics' highly reliable gold plated Flex Pin contact system conforming to the requirements of MIL-DTL-83513. These rugged light weight connectors are suitable for the most demanding applications. Available with mounting holes suitable for PCB and flex mounting.

These connectors are available in standard sizes ranging from 2 through 48 positions as well as custom configurations.



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ELECTRO-MECHANICAL SPECS

- Durability: 2000 Cycles
- Temperature: -55°C to +125 °C (200 °C w/HTE)
- Current rating: 3 AMPs max per contact
- Voltage Rating (DWV): 600 VAC RMS Sea Level
- Insulation Resistance: 5000 Megohms min @ 500 VDC
- Shock: 50 g's discontinuity < 1 microsecond
- Vibration: 20 g's discontinuity < 1 microsecond
- Thermal Vacuum Outgassing: NASA SP-R-0022
- Contact Resistance: 26 Milliohms (65 mV max @ 2.5 amp)
- Mating/Unmating Force: 3 oz (85 g) typical per contact

MATERIAL SPECIFICATIONS

- Standard Socket PCB Tail Termination: Solder per J-STD-006 (Non-RoHS)
- Standard Pin PCB Tail Termination: Solder plate per AMS-P-81728 (Non-RoHS)
- RoHS Pin PCB Tail Termination: Hard gold plate per ASTM B488
- RoHS Socket PCB Tail Termination: Hard gold plate per ASTM B488

- Insulator: Polyphenylene Sulfide per MIL-M-24519
- Pin: Gold Plated BeCu
- Socket: Gold Plated Copper Alloy
- Encapsulant: Epoxy