THINGS TO KNOW ABOUT MICRO STRIPS

1. For ordering purposes specify only the number of contacts needed, do not include positions for hardware.

2. To calculate dimensions, add one contact position for each guidepin/screw/latch/opening required.

3. If hardware is ordered, except latches, it is installed in the receptacle. Be sure to order plugs to accept hardware.

4. Hardware can be modified, combined or positioned to conform to customer specifications. Please contact Cristek for further information.

5. End-on-end stacking applications are also available. Please contact Cristek for details.

6. Strips with over 40 contacts may be difficult to mate and demate and tend to become fragile. Contact Cristek for application assistance.

Cristek Plastic
Dual Row Micro Strip

Number of Contacts
03 - 40 (see table)

Gender
P = plug, pin contacts
S = receptacle, socket contacts

Hardware
0 = no hardware installed
B = guide pin before contact 1 in receptacle, corresponding hole in plug
D = guide pin at both ends of receptacle, corresponding holes in plug before contact 1 and at opposite end of same row
G = guide pin in receptacle or corresponding hole in plug. (Indicate position in plug or receptacle at end of part no.)
S = 1 mm coupling screw at both ends of receptacle, corresponding holes in plug before contact 1 and at opposite end of same row
L = latch installed - see sheet 2 of Mstrip-HDW drawing for requirements on latch positioning.

Insulator Material
5 = polyphenylene sulfide

Termination
0000 - solder cup
wire type
stranded
H = harness (mil-W-16878/4)
M = military (mil-W-22759/11)
S = space (mil-W-22759/33)
solid
G = gold plated copper
T = solder dipped copper

Materials and finishes are IAW MIL-DTL-83513

1. Materials:
insulator - glass filled thermoplastic
pin/socket contact - copper alloy

2. Finish:
contact - gold over nickel

3. Specifications:
current rating - 3 amps max
temperature rating - 55° C to +125° C
insulation resistance - 5000 megohms min
dwv at sea level - 600 vac
dwv at 70,000 ft altitude - 150 vac
contact resistance - 8 milliohms max at 2.5 amps
low level contact - 10 milliohms max
resistance
contact retention - 5 lb minimum axial load
engagement force - 6 oz max
separation force - 0.5 oz min

4. Additional information:
design and performance in general accordance with M83513.
surface mount version also available. Contact Cristek for other configurations.

standard height of epoxy: some sizes and applications may require additional strain relief. Contact Cristek for details.

Through Hole
- omit if not applicable
(through hole available only in plug configuration)

Guide pin polarizing position
- omit if not applicable
(the contact number the guide pin will follow - i.e. "6"; the guide pin will fall between contact #6 & #7)

Wire Length (+1.00 / -0.00)
stranded
1 = 6 inches
2 = 12 inches
3 = 18 inches
4 = 24 inches
5 = 36 inches
6 = 72 inches
solid copper (+0.20 / -0.00)
1 = 0.5 inch
2 = 1.0 inch
3 = 0.25 inch

Wire Size
stranded
0 = 26 awg
1 = 28 awg
2 = 30 awg
solid wire
0 = 25 awg
1 = 24 awg

Wire Color/Type
0 = white stranded
1 = yellow stranded
2 = 10 solid colors repeated
3 = full color code stranded
9 = solid copper

* = most commonly used & stocked termination options
** = dimensions / information for through hole mounting option
*** = see sheet 2 of Mstrip-HDW for location of contact 1.