

# THROUGH-HOLE MICRO HEADER

(1.27 mm) .050" PITCH • TMS/HTMS SERIES



## TMS/HTMS

**Mates:**  
SMS, SLM, RSM

### SPECIFICATIONS

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over  
50  $\mu$ " (1.27  $\mu$ m) Ni  
**Current Rating (TMS/SMS):**  
5 A per pin  
(2 pins powered)  
**Voltage Rating:**  
300 VAC/424 VDC  
**Operating Temp Range:**  
-55 °C to +105 °C with Tin;  
-55 °C to +125 °C with Gold

### PROCESSING

**Lead-Free Solderable:**  
Yes

| SERIES | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | OPTION |
|--------|---|------------------|------------|----------------|------------|--------|
|--------|---|------------------|------------|----------------|------------|--------|

**TMS**  
= Standard

**HTMS**  
= High Temp

01 thru 50

Specify  
**LEAD  
STYLE**  
from  
chart

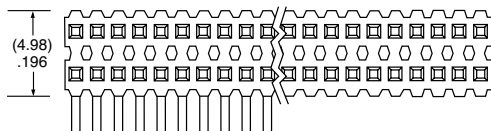
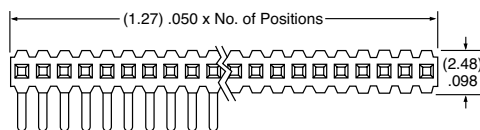
**-F**  
= Gold flash  
on contact,  
Matte Tin on  
tail

**-L**  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold on post,  
Matte Tin  
on tail

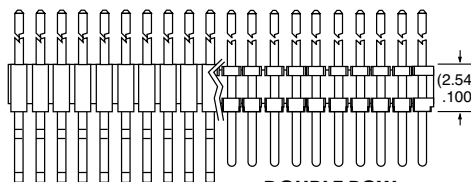
**-G**  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold on post,  
Gold flash  
on tail

**-S**  
= Single  
Row  
  
**-D**  
= Double  
Row

**-RA**  
= Right-  
angle  
  
**-"XXX"**  
= Polarized  
Position  
(Specify position  
of omitted pin)

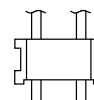
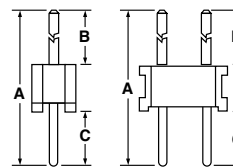


| T/H<br>LEAD<br>STYLE | A            | B            | C           |
|----------------------|--------------|--------------|-------------|
| -01                  | (11.43) .450 | (5.84) .230  | (3.05) .120 |
| -02                  | (8.13) .320  | (2.54) .100  |             |
| -21                  | (12.83) .505 | (5.84) .230  | (4.45) .175 |
| -51                  | (10.41) .410 | (4.83) .190  |             |
| -52                  | (10.80) .425 | (5.21) .205  |             |
| -53                  | (12.83) .505 | (7.24) .285  |             |
| -54                  | (14.10) .555 | (8.51) .335  |             |
| -55                  | (15.49) .610 | (9.91) .390  | (3.05) .120 |
| -56                  | (15.88) .625 | (10.29) .405 |             |
| -57                  | (16.51) .650 | (10.92) .430 |             |
| -58                  | (17.91) .705 | (12.32) .485 |             |
| -59                  | (19.18) .755 | (13.59) .535 |             |
| -60                  | (20.96) .825 | (15.37) .605 |             |



**SINGLE ROW**

**DOUBLE ROW**



**HTMS  
-D  
BODY  
DESIGN**

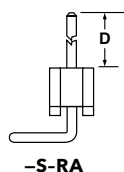
**ALSO AVAILABLE**  
Contact Samtec

Other Plating

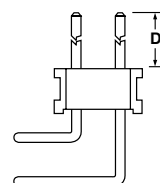
**Important Note:**  
Style -02 does not mate  
with SMS Series.

**Note:**  
Some lengths, styles and  
options are non-standard,  
non-returnable.

| RA<br>LEAD<br>STYLE | D           |
|---------------------|-------------|
| -01                 | (5.84) .230 |
| -02                 | (2.54) .100 |
| -03                 | (3.18) .125 |



**-S-RA**



**-D-RA**