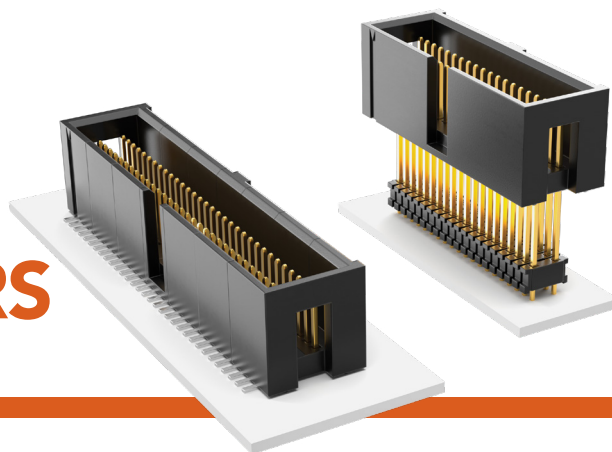


# SHROUDED HEADERS & STACKERS

(1.27 mm) .050" PITCH • TML/ZML SERIES



## TML/ZML

### Mates:

SMS, RSM

## SPECIFICATIONS

### TML

#### Insulator Material:

Black Liquid Crystal Polymer

#### Terminal Material:

Phosphor Bronze

#### Plating:

Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni

#### Operating Temp Range:

-55  $^{\circ}$ C to +105  $^{\circ}$ C with Tin;

-55  $^{\circ}$ C to +125  $^{\circ}$ C with Gold

### ZML

#### Insulator Material:

Black Liquid Crystal Polymer

#### Terminal Material:

Phosphor Bronze

#### Plating:

Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni

#### Operating Temp Range:

-55  $^{\circ}$ C to +105  $^{\circ}$ C with Tin;

-55  $^{\circ}$ C to +125  $^{\circ}$ C with Gold

## PROCESSING

### TML

#### Lead-Free Solderable:

Yes

#### SMT Lead Coplanarity:

(0.10 mm) .004" max (05-20)

(0.15 mm) .006" max (32)\*

\*(.004" stencil solution

may be available; contact

ipg@samtec.com)

### ZML

Same as TML except:

#### SMT Lead Coplanarity:

(0.15 mm) .006" max\*

\*(.004" stencil solution

may be available; contact

ipg@samtec.com)

| TML | - | 1 | NO. PINS<br>PER ROW | - | LEAD<br>STYLE | - | PLATING<br>OPTION | - | D | - | TAIL<br>OPTION | - | OTHER<br>OPTION |
|-----|---|---|---------------------|---|---------------|---|-------------------|---|---|---|----------------|---|-----------------|
|-----|---|---|---------------------|---|---------------|---|-------------------|---|---|---|----------------|---|-----------------|

05, 08,  
10, 20, 32  
(Standard sizes)

Specify  
LEAD  
STYLE  
from  
chart

-F  
= Gold flash  
on post,  
Matte Tin on tail

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

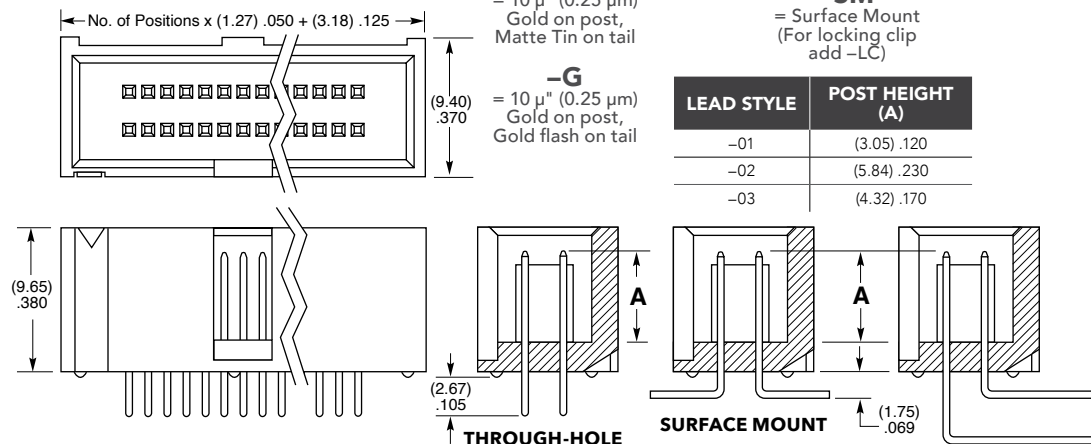
-G  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on post,  
Gold flash on tail

(Leave blank for  
Through-hole)

-RA  
= Right-angle

-SM  
= Surface Mount  
(For locking clip  
add -LC)

-“XXX”  
= Polarized  
position  
(Specify position  
of omitted pin)



RIGHT-ANGLE

| ZML | - | 1 | NO. PINS<br>PER ROW | - | LEAD<br>STYLE | - | PLATING<br>OPTION | - | D | - | BODY<br>HEIGHT | - | TAIL<br>OPTION |
|-----|---|---|---------------------|---|---------------|---|-------------------|---|---|---|----------------|---|----------------|
|-----|---|---|---------------------|---|---------------|---|-------------------|---|---|---|----------------|---|----------------|

05, 08,  
10, 20, 32  
(Standard sizes)

Specify  
LEAD  
STYLE  
from  
chart

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

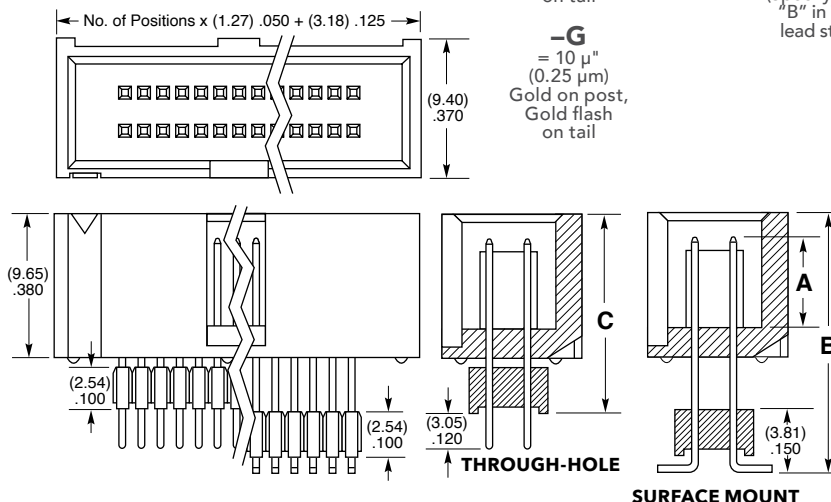
-G  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold on post,  
Gold flash  
on tail

(Leave blank for  
Through-hole)

-“XXX”  
= -SM Body Height  
(Specify board space  
“B” in inches from  
lead style charts.)

(Leave blank for  
Through-hole)

-SM  
= Surface  
Mount



## THROUGH-HOLE

| LEAD<br>STYLE | BODY<br>HEIGHT<br>(C) |
|---------------|-----------------------|
| -01           | (12.83) .505          |
| -02           | (14.22) .560          |
| -03           | (16.64) .655          |
| -04           | (19.69) .775          |

## SURFACE MOUNT

| LEAD<br>STYLE | POST<br>HEIGHT<br>(A) | BODY<br>HEIGHT<br>(B)        |
|---------------|-----------------------|------------------------------|
| -53           | (3.05) .120           | (13.46) .530 to (20.19) .795 |
| -54           | (5.84) .230           | (13.46) .530 to (17.40) .685 |

## ALSO AVAILABLE

Contact Samtec

Other sizes

Other platings

### Notes:

For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact ipg@samtec.com for more information.

Some sizes, styles and options are non-standard, non-returnable.