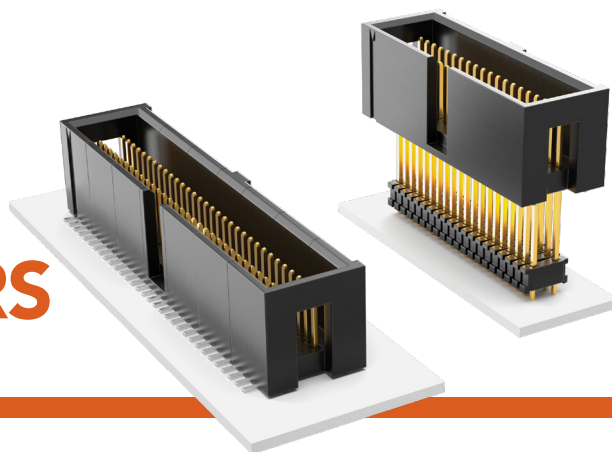


# SHROUDED HEADERS & STACKERS

(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 PER ROW | - | LEAD STYLE | - | PLATING OPTION | - | D | - | TAIL OPTION | - | OTHER 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

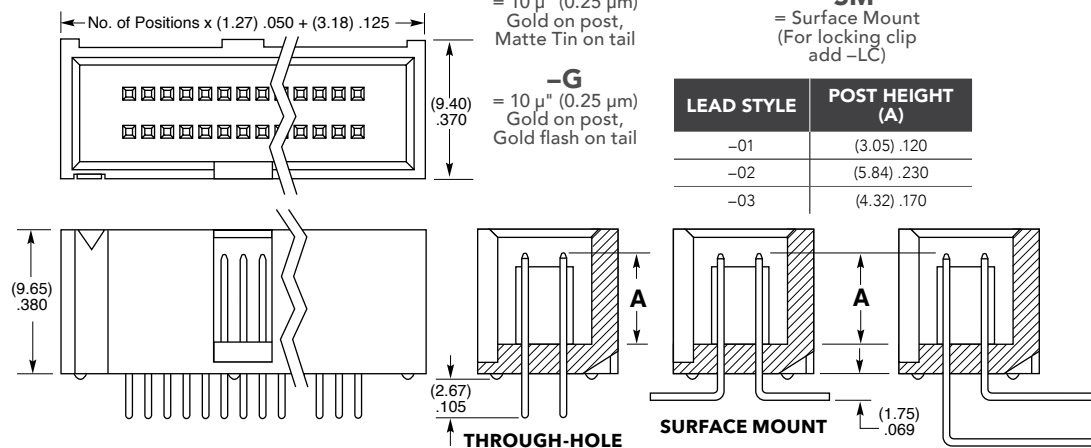
-G  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on post,  
Gold flash on tail

(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 PER ROW | - | LEAD STYLE | - | PLATING OPTION | - | D | - | BODY HEIGHT | - | TAIL 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

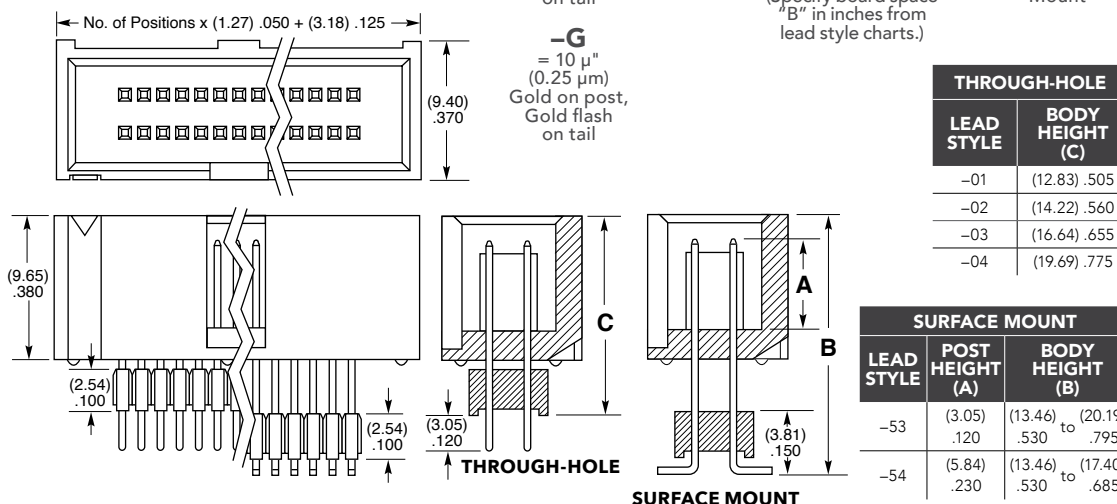
-G  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold on post,  
Gold flash  
on tail

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

SURFACE MOUNT

| LEAD STYLE | POST HEIGHT (A) | BODY HEIGHT (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.