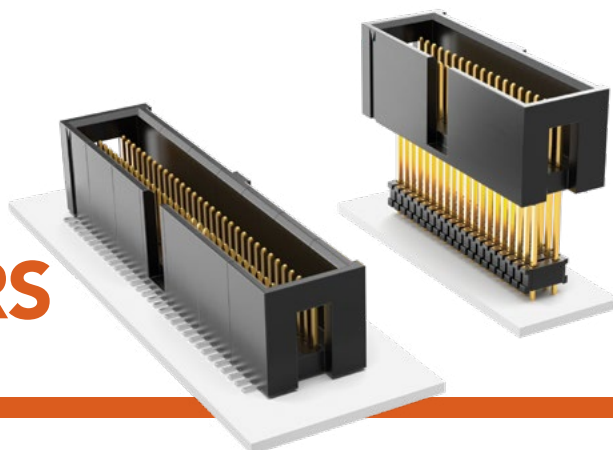


# SHROUDED HEADERS & STACKERS

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



## TML/ZML

### Mates:

SMS, RSM

## SPECIFICATIONS

### TML

**Insulator Material:**  
Black Liquid Crystal Polymer

**Insulation Resistance:**

5000 MΩ min

**Terminal Material:**

Phosphor Bronze

**Plating:**

Au or Sn over

50 μ" (1.27 μm) Ni

**Operating Temp Range:**

-55 °C to +105 °C with Tin;

-55 °C to +125 °C with Gold

### ZML

**Insulator Material:**

Black Liquid Crystal Polymer

**Terminal Material:**

Phosphor Bronze

**Plating:**

Au or Sn over

50 μ" (1.27 μm) Ni

**Operating Temp Range:**

-55 °C to +105 °C with Tin;

-55 °C to +125 °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)

## ALSO AVAILABLE

MOQ Required

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.

| 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

-L  
= 10 μ"  
(0.25 μm)  
Gold on post,  
Matte Tin  
on tail

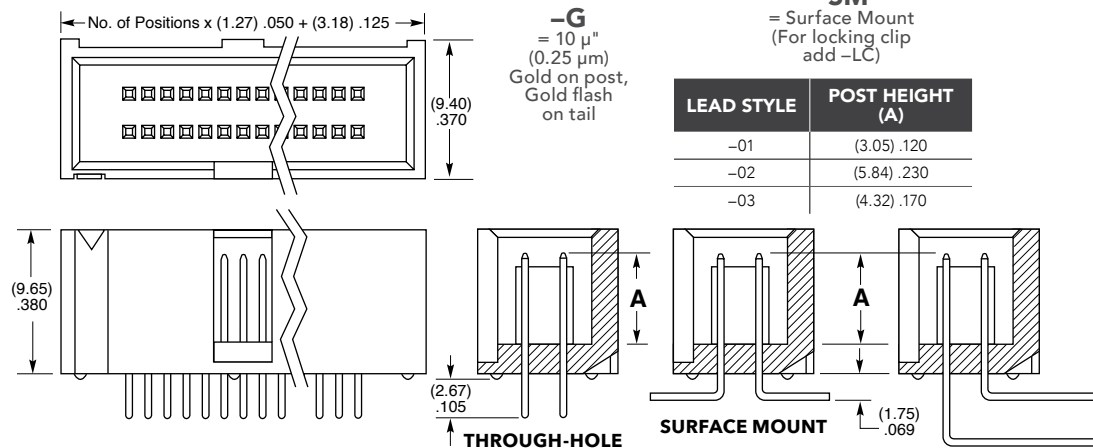
-G  
= 10 μ"  
(0.25 μm)  
Gold on post,  
Gold flash  
on tail

(Leave blank for  
Through-hole)

-RA  
= Right-angle

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

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



| 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 μ"  
(0.25 μm)  
Gold on post,  
Matte Tin  
on tail

-G  
= 10 μ"  
(0.25 μm)  
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

