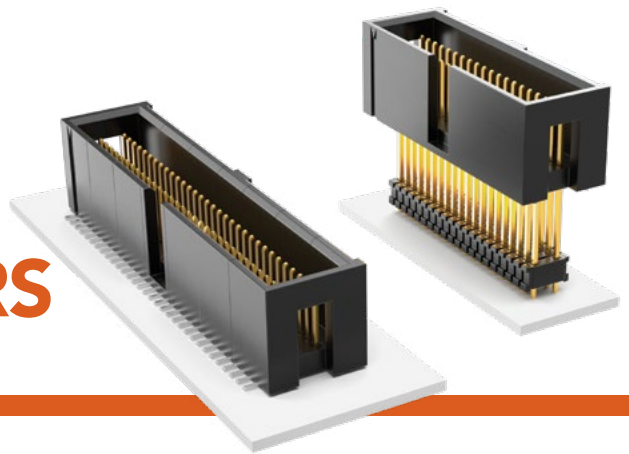


# FLEX STACK

## 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

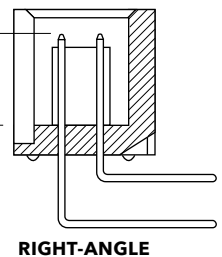
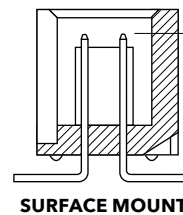
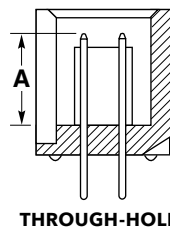
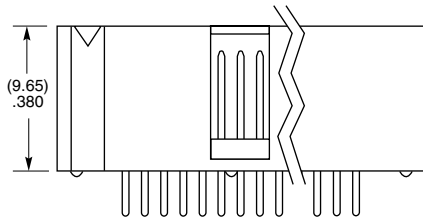
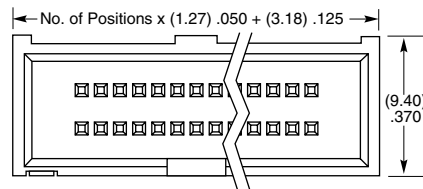
-G  
= 10 μ"  
(0.25 μm)  
Gold on post,  
Gold flash  
on tail

(Leave blank for  
Through-hole)

-RA  
= Right-angle

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

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



LEAD STYLE	POST HEIGHT (A)
-01	(3.05) .120
-02	(5.84) .230
-03	(4.32) .170

ZML	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	BODY HEIGHT	TAIL OPTION
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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

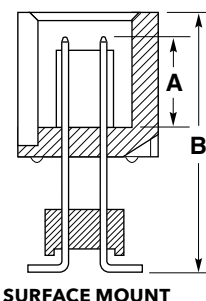
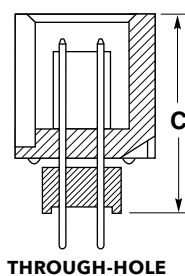
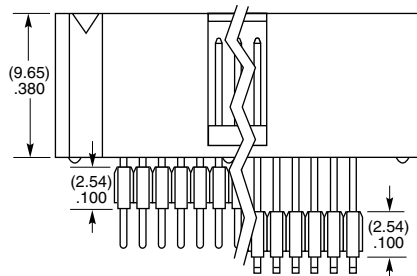
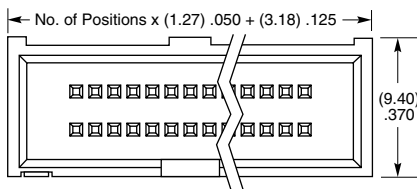
-G  
= 10 μ"  
(0.25 μm)  
Gold on post,  
Gold flash  
on tail

(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



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

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