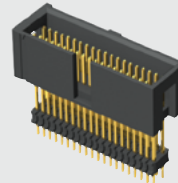
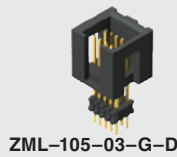
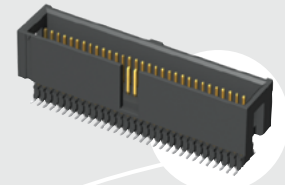


# FLEX STACK



ZML-132-54-L-D-650-SM



(1.27 mm) .050"

ZML SERIES

# SHROUDED ELEVATED STACKER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?ZML](http://www.samtec.com?ZML)

**Insulator Material:**

Black LCP

**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

**RoHS Compliant:**

Yes

## PROCESSING

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

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

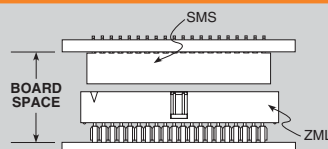
(0.15 mm) .006" max (32)\*

\*(.004" stencil solution may be available; contact [IPG@samtec.com](mailto:IPG@samtec.com))

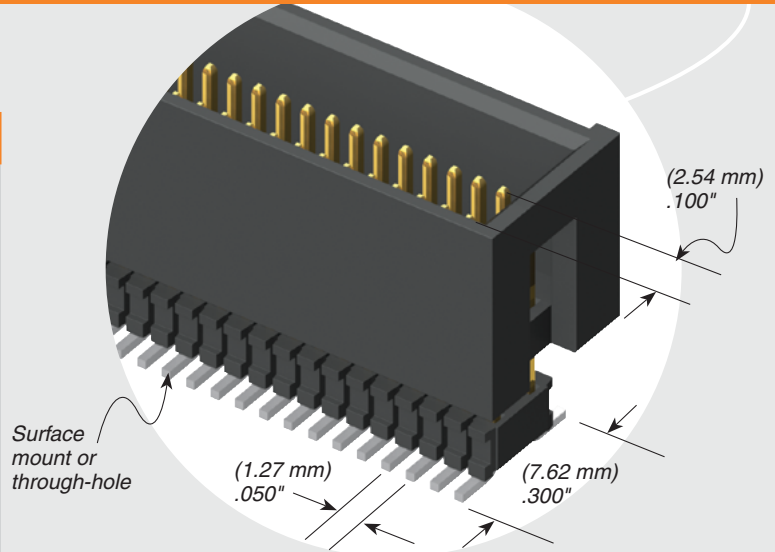
**Mates with:**

SMS, RSM

## APPLICATIONS



APPLICATIONS	BOARD SPACE
ZML Style -01 mated with SMS	(13.72) .540
ZML Style -02 mated with SMS	(15.11) .595
ZML Style -03 mated with SMS	(17.53) .690
ZML Style -04 mated with SMS	(20.57) .810



## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

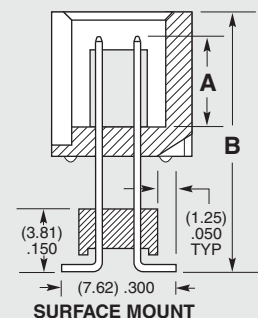
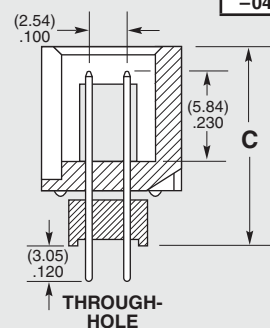
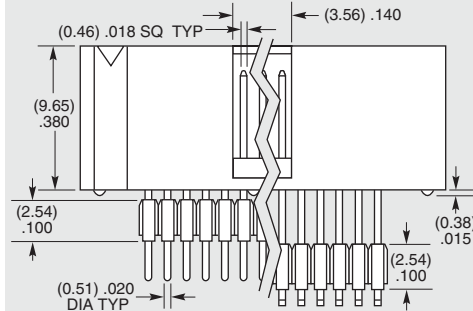
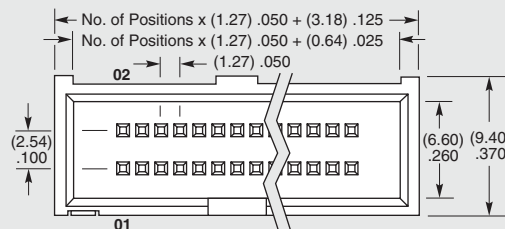


FILE NO. E111594

## ALSO AVAILABLE (MOQ Required)

- Other sizes
- Other platings

<b>ZML</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>BODY HEIGHT</b>	<b>TAIL STYLE</b>
		<b>05, 08, 10, 20, 32</b> (Standard sizes)	Specify LEAD STYLE from chart	<b>-L</b> = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail  <b>-G</b> = 10 μ" (0.25 μm) Gold on post, Gold flash on tail		(Leave blank for Through-hole)  <b>- "XXX"</b> = -SM Body Height (Specify board space "B" in inches from lead style charts.)	(Leave blank for Through-hole)  <b>-SM</b> = 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

**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](mailto:ipg@samtec.com) for more information.

This Series is non-standard, non-returnable.

*Due to technical progress, all designs, specifications and components are subject to change without notice.*

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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