



(1,27 mm) .050"

ZML SERIES

ZML-105-03-G-D

ZML-120-04-G-D

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

# 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  
50µ" (1,27 µm) Ni

**Current Rating:**  
1A per contact  
**Operating Temp Range:**  
-55°C to +105°C with Tin;  
-55°C to +125°C with Gold

**RoHS Compliant:**  
Yes

**Processing:**

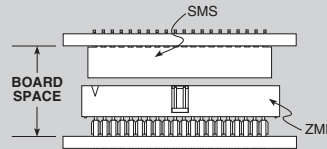
**Lead-Free Solderable:**  
Yes

**SMT Lead Coplanarity:**  
(0,10 mm) .004" max (05-20)  
(0,15 mm) .006" max (32)

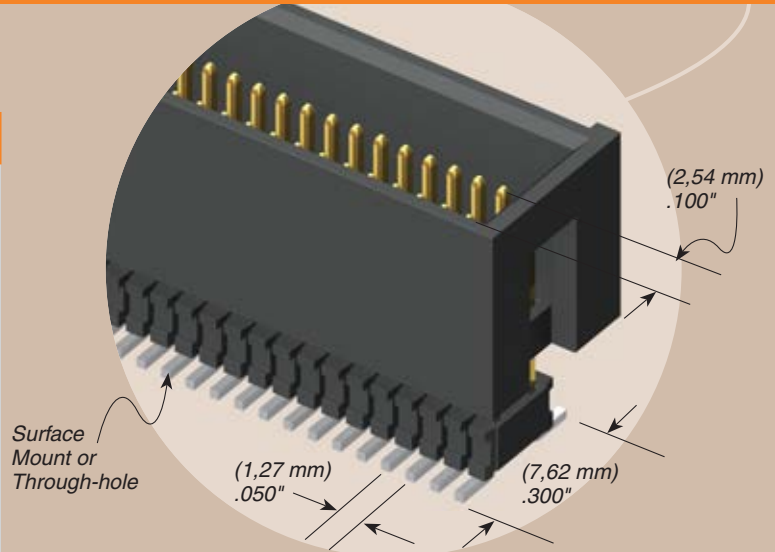


**Mates with:**  
SMS, RSM

## 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



ZML

1

NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTION

D

BODY  
HEIGHTTAIL  
STYLE

05, 08,  
10, 20, 32  
(Call Samtec for other sizes)

Specify  
LEAD  
STYLE  
from  
chart

—L  
= 10µ" (0,25 µm)  
Gold on post,  
Matte Tin  
on tail

—G  
= 10µ" (0,25 µm)  
Gold on post,  
Gold flash  
on tail

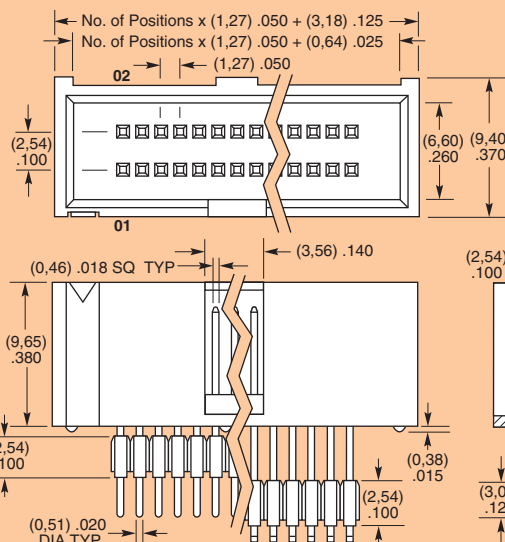
Note: Other  
Gold plating  
options available.  
Contact Samtec.

(Leave blank for  
Through-hole)

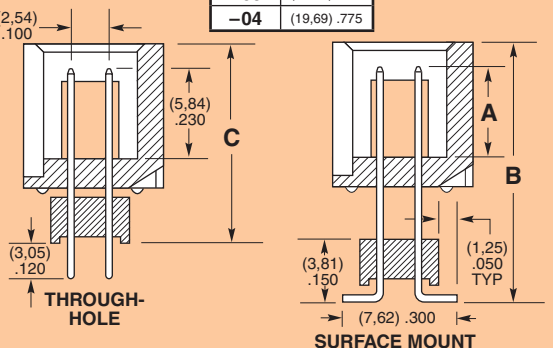
—“XXX”  
= —SM Body Height  
(Specify board space “B”  
in inches from lead  
style charts.)

(Leave  
blank for  
Through-  
hole)

—SM  
= Surface  
Mount



THROUGH-HOLE		SURFACE MOUNT	
LEAD STYLE	BODY HEIGHT (C)	LEAD STYLE	POST HEIGHT (A)
—01	(12,83) .505	—53	(3,05) .120
—02	(14,22) .560		(13,46) to (20,19) .530 to .795
—03	(16,64) .655	—54	(5,84) .230
—04	(19,69) .775		(13,46) to (17,40) .530 to .685



**Note:** 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.

**Note:** This Series is non-standard, non-returnable.

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

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