

(1,27mm) .050"

ZML SERIES



ZML-125-53-G-D-795-SM

ZML-125-04-G-D

ZML-110-03-G-D

ZML-113-54-G-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"

(1,27µm) Ni

**Current Rating:**

1A

**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:**

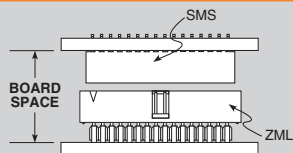
(0,10mm) .004" max (05-20)

(0,15mm) .006" max (25-40)



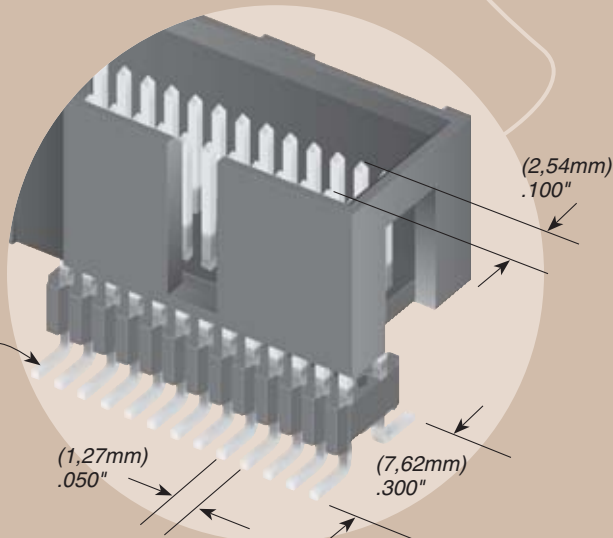
**Mates with:**  
SMS, RSM

## 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 |

Surface Mount or Through-hole



ZML

1

NO. PINS PER ROW

LEAD STYLE

PLATING OPTION

D

BODY HEIGHT

TAIL STYLE

05, 08, 10,  
13, 17, 20, 25,  
30, 32, 36, 40  
(Call Samtec for other sizes)

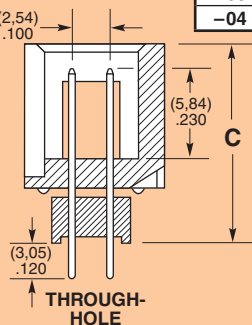
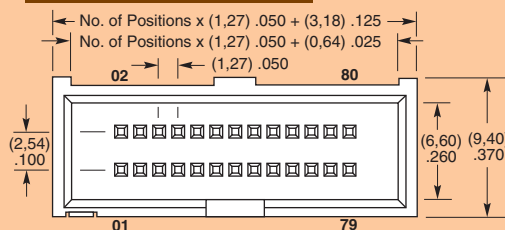
Specify  
LEAD  
STYLE  
from  
chart

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

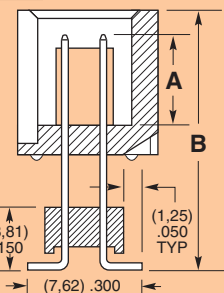
—G  
= 10µ"  
(0,25µm)  
Gold on post,  
Gold flash  
on tail

(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



SURFACE MOUNT

| LEAD STYLE | BODY HEIGHT (C) |
|------------|-----------------|
| —01        | (12,83) .505    |
| —02        | (14,22) .560    |
| —03        | (16,64) .655    |
| —04        | (19,69) .775    |

| 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 |

**Note:** Other Gold plating options available. Contact Samtec.

**Note:** 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)

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329  
 SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0  
 SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292 SAMTEC ISRAEL • Tel: 972-3-7526600  
 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-61103766 SAMTEC TAIWAN • Tel: 886-2-2735-6109  
 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9512 7747 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112