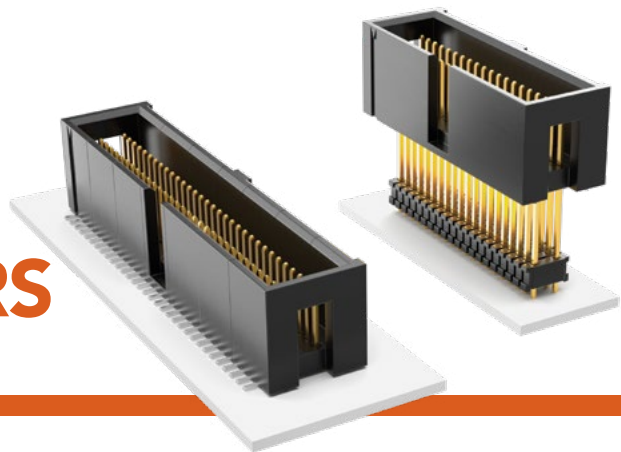


FLEX STACK

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

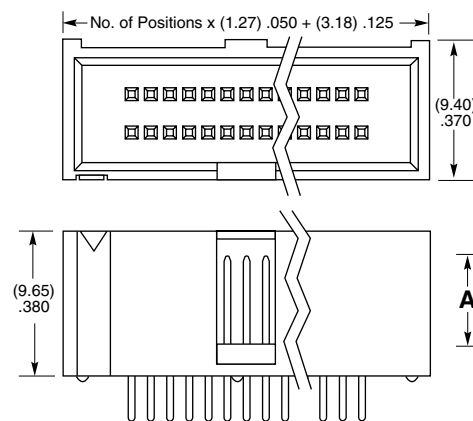
-L
= 10 μ"
(0.25 μm)
Gold on post,
Matte Tin
on tail

(Leave blank for
Through-hole)

-RA
= Right-angle

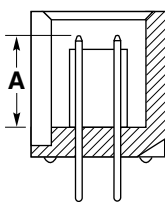
-“XXX”
= Polarized
position
(Specify position
of omitted pin)

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

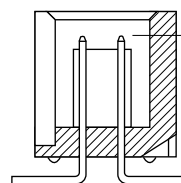


-G
= 10 μ"
(0.25 μm)
Gold on post,
Gold flash
on tail

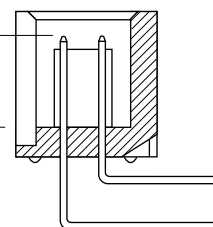
LEAD STYLE	POST HEIGHT (A)
-01	(3.05) .120
-02	(5.84) .230
-03	(4.32) .170



THROUGH-HOLE



SURFACE MOUNT



RIGHT-ANGLE

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

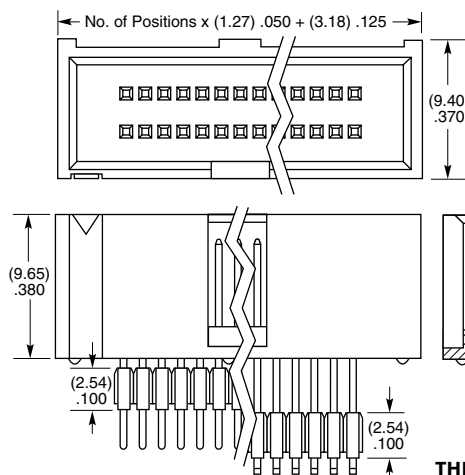
-L
= 10 μ"
(0.25 μm)
Gold on post,
Matte Tin
on tail

(Leave blank for
Through-hole)

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

(Leave blank for
Through-hole)

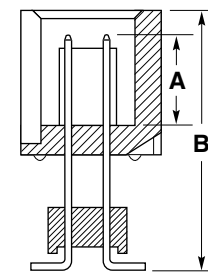
-SM
= Surface
Mount



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

THROUGH-HOLE	
LEAD STYLE	BODY HEIGHT (C)
-01	(12.83) .505
-02	(14.22) .560
-03	(16.64) .655
-04	(19.69) .775

THROUGH-HOLE



SURFACE MOUNT

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

Mouser Electronics

Authorized Distributor

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Samtec:

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[685-SM](#) [ZML-105-54-G-D-670-SM](#) [ZML-117-54-G-D-615-SM](#) [ZML-117-54-L-D-680-SM](#) [ZML-105-54-S-D-610-SM](#)
[ZML-107-03-S-D](#) [ZML-108-01-G-D](#) [ZML-110-02-G-D](#) [ZML-114-01-G-D](#) [ZML-115-02-S-D](#) [ZML-115-54-S-D-530-SM](#)
[ZML-130-54-T-D-795-SM](#) [ZML-132-02-S-D](#) [ZML-136-54-S-D-685-SM](#) [ZML-136-54-T-D-685-SM](#) [ZML-140-01-G-D](#)
[ZML-140-54-T-D-685-SM](#) [ZML-108-02-S-D](#) [ZML-110-01-S-D](#) [ZML-110-53-S-D-795-SM](#) [ZML-115-54-S-D-685-SM](#)
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