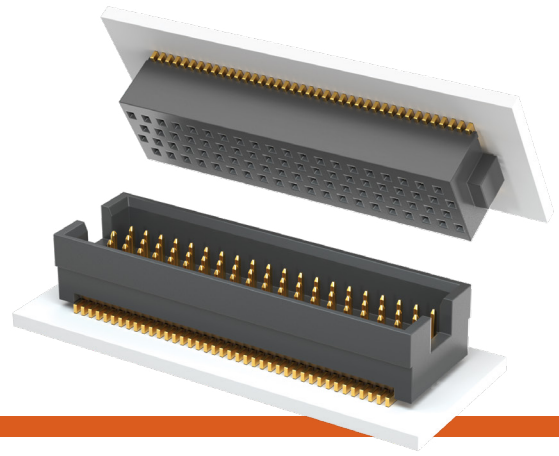


# QUAD ROW SMT TERMINAL & SOCKET

(1.27 mm) .050" PITCH • TOLC/SOLC SERIES



## TOLC

Mates:  
SOLC

## SOLC

Mates:  
TOLC

### SPECIFICATIONS

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Contact Material:**  
Phosphor Bronze  
**Plating:**  
Au over 50  $\mu$  (1.27  $\mu$ m) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Current Rating:**  
3.9 A per pin  
(2 pins powered)  
**Voltage Rating:**  
188 VAC/266 VDC  
**Insertion Depth (SOLC):**  
(1.68 mm) .066" to  
(3.61 mm) .142" with  
(0.38 mm) .015" wiper  
**Max Cycles (SOLC):**  
100+

### PROCESSING

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (05-35)  
(0.15 mm) .006" max (40-50)\*  
\*(.004" stencil solution  
may be available; contact  
ipg@samtec.com)

### ALSO AVAILABLE

Contact Samtec

Other sizes  
Other platings

**Note:**  
Some lengths, styles and  
options are non-standard,  
non-returnable.

| TOLC | - | 1 | - | NO. PINS<br>PER ROW | - | LEAD<br>STYLE | - | PLATING<br>OPTION | - | Q | - | OTHER<br>OPTION |
|------|---|---|---|---------------------|---|---------------|---|-------------------|---|---|---|-----------------|
|------|---|---|---|---------------------|---|---------------|---|-------------------|---|---|---|-----------------|

05, 10, 15, 20, 25,  
30, 35, 40, 45, 50  
(Standard Sizes)

Specify  
LEAD  
STYLE  
from  
chart

**-F**  
= Gold flash  
on contact,  
Gold flash  
on tail

**-L**  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold on  
contact,  
Gold flash  
on tail

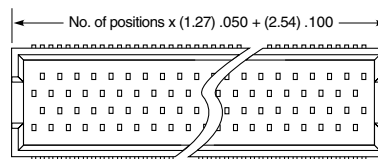
**-A**  
= Alignment Pin  
(N/A with -LC)

**-LC**  
= Locking Clip  
(N/A with -A)  
(Manual  
placement required)

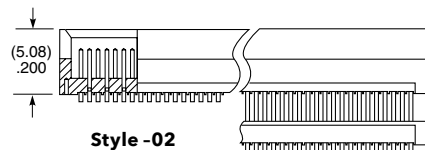
**-K**  
= (9.00 mm) .354" DIA  
Polyimide film  
Pick & Place Pad

**-TR**  
= Tape & Reel

**-FR**  
= Full Reel Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec for  
quantity breaks)

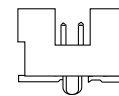
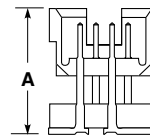


| LEAD<br>STYLE | A            | MATED<br>HEIGHT |
|---------------|--------------|-----------------|
| -02           | (5.59) .220  | (6.35) .250     |
| -12           | (7.24) .285  | (8.00) .315     |
| -22           | (9.25) .364  | (10.00) .394    |
| -32           | (11.23) .442 | (12.00) .472    |

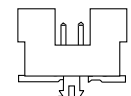


Style -02

Styles -12, -22, -32



-A OPTION



-LC OPTION

| SOLC | - | 1 | - | NO. PINS<br>PER ROW | - | 02 | - | PLATING<br>OPTION | - | Q | - | OTHER<br>OPTION |
|------|---|---|---|---------------------|---|----|---|-------------------|---|---|---|-----------------|
|------|---|---|---|---------------------|---|----|---|-------------------|---|---|---|-----------------|

05, 10, 15, 20, 25,  
30, 35, 40, 45, 50  
(Standard Sizes)

**-F**  
= Gold flash  
on contact,  
Gold flash  
on tail

**-L**  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on contact,  
Gold flash  
on tail

**-A**  
= Alignment Pin  
(N/A with -LC)

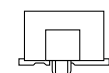
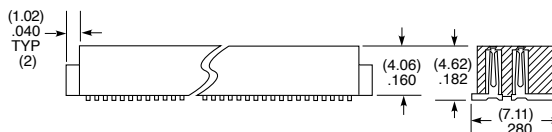
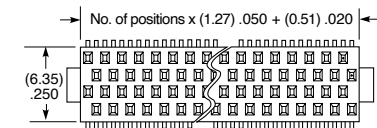
**-LC**  
= Locking Clip  
(N/A with -A)  
(Manual  
placement required)

**-K**  
= (7.00 mm) .276" DIA  
Polyimide film  
Pick & Place Pad

**-P**  
= Pick & Place Pad

**-TR**  
= Tape & Reel

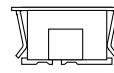
**-FR**  
= Full Reel Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec for  
quantity breaks)



-A OPTION



-LC OPTION



-P OPTION