

FLEXIBLE ELEVATED & SELF-NESTING SOCKETS

(2.00 mm) .0787" PITCH • ESQT/ESQT (-368)/PTHF SERIES



ESQT

Board Mates:
TMMH, TMM, MTMM,
MMT, TW, LTMM, ZLTMM,
ESQT, PTT, TSH, TMMS

Cable Mates:
TCMD

| ESQT | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | BODY HEIGHT | OTHER OPTION |
|------|---|------------------|------------|----------------|------------|-------------|--------------|
|------|---|------------------|------------|----------------|------------|-------------|--------------|

02 thru 50

Specify
**LEAD
STYLE**
from
chart

-F
= Gold flash on contact,
Matte Tin on tail

-S
= Single Row

-“XXX”
= Body Height
(in inches)

-“XXX”
= Polarized
Position
(Indicate
position
number)

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

-D
= Double Row

(7.87 mm) .310"
minimum for
-S, -D, -Q

-T
= Triple Row

(9.53 mm) .375"
minimum for
-T, -S, -6

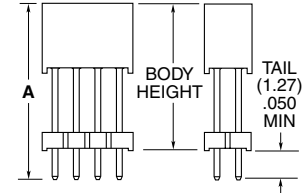
-M
= 20 μ" (0.51 μm)
Gold on contact,
Matte Tin on tail

-Q
= Quad Row

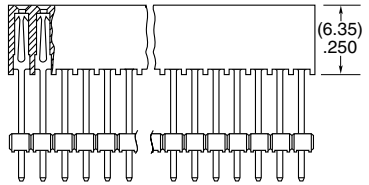
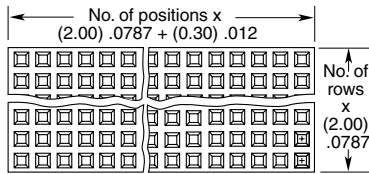
-5
= Five Row

-GF
= 15 μ" (0.38 μm)
Gold on contact,
Gold flash on tail
(Recommended
for self-nesting)
(-02 lead style only)

-6
= Six Row



| LEAD STYLE | A | MAX TAIL | MAX BODY HEIGHT |
|------------|-----------------|-----------------|-----------------|
| -02 | (21.59) .850 | (13.72) .540 | (20.32) .800 |
| -03 | (11.63) .458 | (3.76) .148 | (10.36) .408 |



SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Sn or Au over
50 μ" (1.27 μm) Ni
Current Rating (ESQT/TMMH):
4.5 A per pin
(2 pins powered)
Operating Temp Range:
-55 °C to +125 °C
Insertion Depth:
(2.62 mm) .103" to
(5.03 mm) .198" with
(0.38 mm) .015" wipe
Max Cycles:
100 with 10 μ" (0.25 μm) Au
Lead-Free Solderable:
Yes, for -S, -D & -Q
(Wave only for -T, -5 & -6)

ESQT (-368)/PTHF

Mates:
ESQT, PTHF

| SERIES | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | Q | 368 |
|--------|---|------------------|------------|----------------|---|-----|
|--------|---|------------------|------------|----------------|---|-----|

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer (ESQT-368)
Black High Temp Nylon (PTHF)
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 μ" (1.27 μm) Ni
Operating Temp Range:
-55 °C to +125 °C
Normal Force:
60 grams (0.59 N) average
Max Cycles:
100 with 10 μ" (0.25 μm) Au
Lead-Free Solderable:
Yes (ESQT-368)

ESQT
= Solder Tails
PTHF
= Press-fit Tails

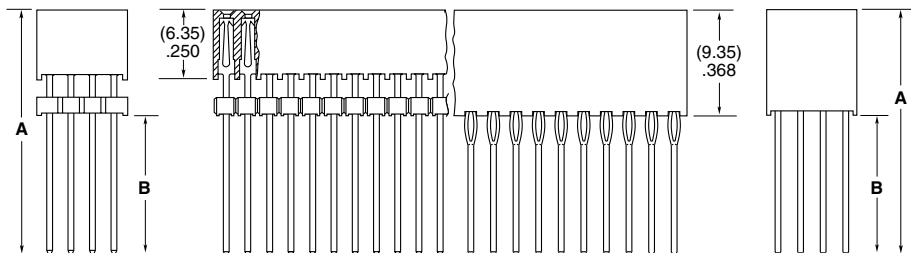
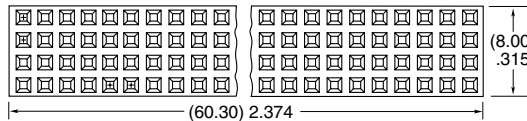
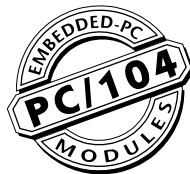
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Specify
**LEAD
STYLE**
from
chart

-GF
= 15 μ" (0.38 μm)
Gold on contact,
Gold flash on tail
(-02 Lead Style only)

-M
= 20 μ" (0.51 μm)
Gold on contact,
Matte Tin on tail
(-03 Lead Style only)

| LEAD STYLE | ESQT | | PTHF | |
|------------|-----------------|-----------------|-----------------|-----------------|
| | A | B | A | B |
| -02 | (21.59) .850 | (12.24) .482 | (21.59) .850 | (12.24) .482 |
| -03 | (11.63) .458 | (2.29) .090 | (12.34) .486 | (3.00) .118 |



ESQT (-368) SERIES

PTHF SERIES

TOOLING

Press-Fit
CAT-PT-130-A-4
For more information, visit
www.samtec.com/tooling

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

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[ESQT-118-02-L-D-420](#)