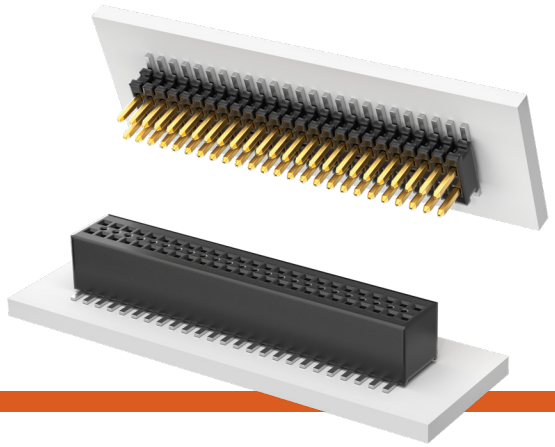
TIGER™ BEAM CONTACT

SMT MICRO HEADER & SOCKET

(0.80 mm) .0315" PITCH • FTE/CLE SERIES



FTE
Mates:
CLE

CLE
Mates:
FTE, AW

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Contact Material:
BeCu
Plating:
Au over 50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C
Current Rating (FTE/CLE):
2.2 A per pin
(2 pins powered)
Voltage Rating:
213 VAC/301 VDC
Insertion Depth (CLE):
Top Entry =
(1.73 mm) .068" to (3.18 mm) .125" with (0.38 mm) .015" wipe, or pass-through
Bottom Entry =
(3.23 mm) .127" minimum plus board thickness
Max Cycles (CLE):
100 with 10 µ" (0.25 µm) Au

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity (FTE):
-DV: (0.10 mm) .004" max
-DH: (0.10 mm) .004" max (05-25)
(0.15 mm) .006" max (26-50)*
*(.004" stencil solution may be available; contact ipg@samtec.com)
SMT Lead Coplanarity (CLE):
(0.10 mm) .004" max (04-65)
(0.15 mm) .006" max (66-90)*
*(.004" stencil solution may be available; contact ipg@samtec.com)

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

FTE

FTE – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – TAIL OPTION – FLEX SHROUD OPTIONS – OTHER OPTION

NO. PINS PER ROW: 05 thru 90

LEAD STYLE: Specify LEAD STYLE from chart

PLATING OPTION

–G
= 10 µ" (0.25 µm) Gold on post, Gold flash on balance

TAIL OPTION

–DV
= Dual Vertical

–DH
= Dual Horizontal (50 positions maximum)

FLEX SHROUD OPTIONS

Style –01 –DV only (11 pins/row minimum)

–ES
= End Shroud

–EC
= End Shroud with Locking Clips (Manual placement required)

–EP
= End Shroud with Guide Posts

OTHER OPTION

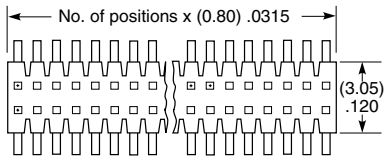
–A
= Alignment Pin (5 positions minimum) Metal or plastic at Samtec discretion (–DV only)

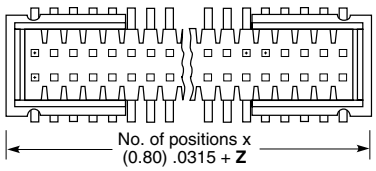
–K
= (2.50 mm) .098" DIA Polyimide Film Pick & Place Pad (–DH only)

–P
= Plastic Pick & Place Pad (8 positions minimum) –DV only

–TR
= Tape & Reel

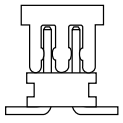
–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

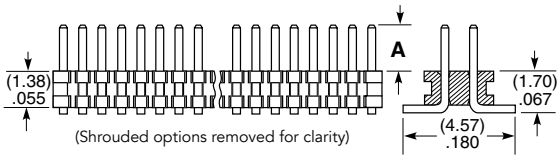


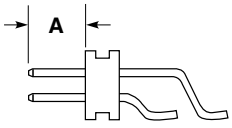


OPTION	Z
–ES	(1.57) .062
–EC	(4.11) .162
–EP	(5.51) .217

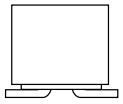
LEAD STYLE	A
–01	(1.90) .075
–02	(4.45) .175
–03	(3.05) .120


-P OPTION





-DH OPTION


-ES OPTION

CLE

CLE – 1 – NO. PINS PER ROW – 01 – PLATING OPTION – DV – OPTIONS

NO. PINS PER ROW: 04 thru 90

PLATING OPTION

–F
= Gold flash on contact and tail

–G
= 10 µ" (0.25 µm) Gold on contact and tail

OPTIONS

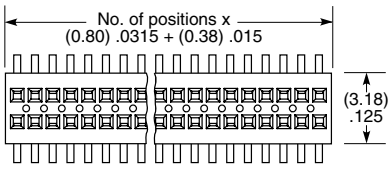
–A
= Alignment Pin (4 positions minimum) Metal or plastic at Samtec discretion.

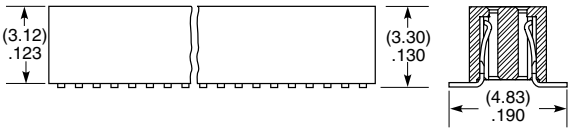
–K
= (3.50 mm) .138" DIA Polyimide film Pick & Place Pad (8 positions minimum)

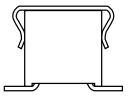
–P
= Metal Pick & Place Pad (8 positions minimum)

–TR
= Tape & Reel

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






-P OPTION

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.