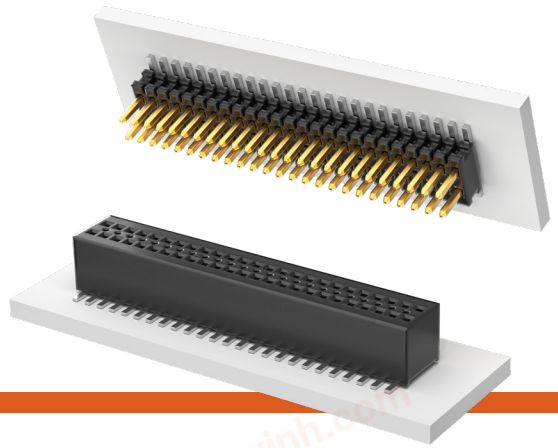
chanhvinh.com

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

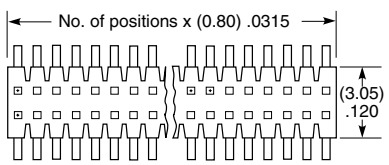
LEAD STYLE: Specify LEAD STYLE from chart

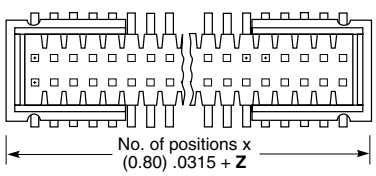
PLATING OPTION
–G
= 10 µ" (0.25 µm) Gold on post, Gold flash on balance

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

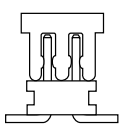
OTHER OPTION
–A
= Alignment Pin (5 positions minimum) Metal or plastic at Samtec discretion (–DV only)
–K
= (2.50 mm) .098" DIA Polyimide Film Pick & Place Pad (–DH only)
–P
= Plastic Pick & Place Pad (8 positions minimum) –DV only
–TR
= Tape & Reel
–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

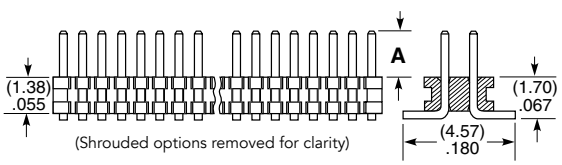




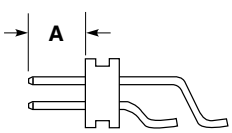
OPTION	Z
–ES	(1.57) .062
–EC	(4.11) .162
–EP	(5.51) .217

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

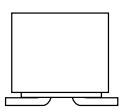

-P OPTION



(Shrouded options removed for clarity)



-DH OPTION


-ES OPTION

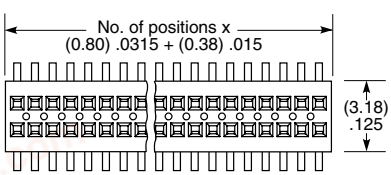
CLE

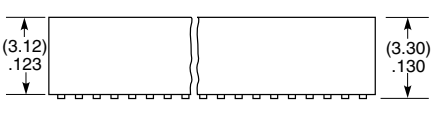
CLE	–	1	NO. PINS PER ROW	–	01	–	PLATING OPTION	–	DV	–	OPTIONS

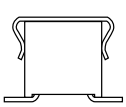
NO. PINS PER ROW: 04 thru 90

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.