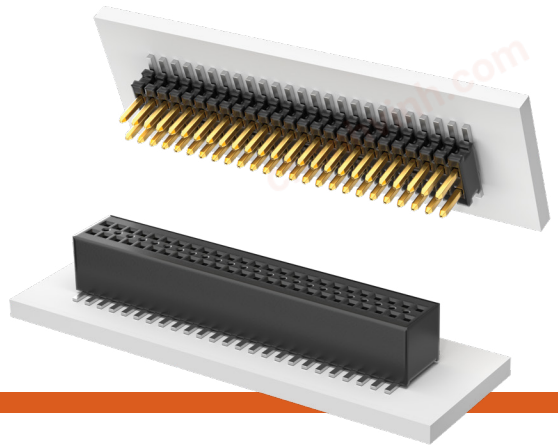
chanhvinh.com

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

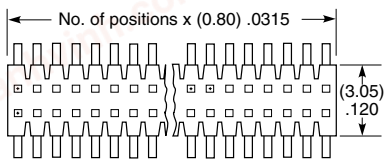
PROCESSING

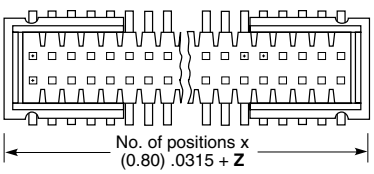
Lead-Free Solderable:
Yes
SMT Lead Coplanarity (FTE):
-DV: (0.10 mm) .004" max
-DH: (0.10 mm) .004" max (05-25)
(0.15 mm) .006" max (26-50)*
*(.004" stencil solution may be available; contact ipg@samtec.com)
SMT Lead Coplanarity (CLE):
(0.10 mm) .004" max (04-65)
(0.15 mm) .006" max (66-90)*
*(.004"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

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

FTE

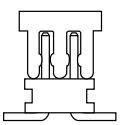
FTE	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	TAIL OPTION	FLEX SHROUD OPTIONS	OTHER OPTION
		05 thru 90	Specify LEAD STYLE from chart	–G = 10 µ" (0.25 µm) Gold on post, Gold flash on balance	–DV = Dual Vertical –DH = Dual Horizontal (50 positions maximum)	Style –01 –DV only (11 pins/row minimum) –ES = End Shroud –EC = End Shroud with Locking Clips (Manual placement required) –EP = End Shroud with Guide Posts	–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)

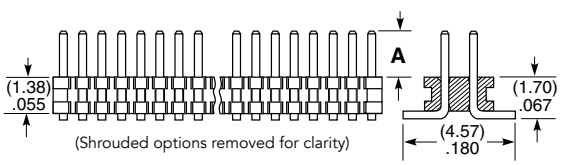




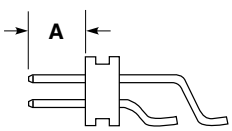
OPTION	Z
–ES	(1.57) .062
–EC	(4.11) .162
–EP	(5.51) .217

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

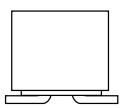

-P OPTION



(Shrouded options removed for clarity)

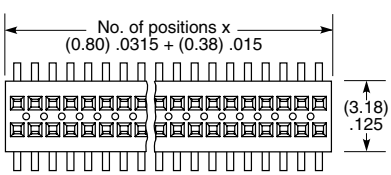


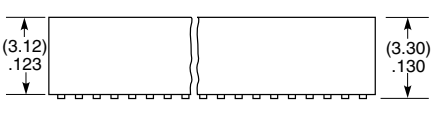
-DH OPTION

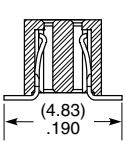

-ES OPTION

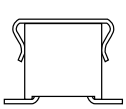
CLE

CLE	1	NO. PINS PER ROW	01	PLATING OPTION	DV	OPTIONS
		04 thru 90		–F = Gold flash on contact and tail –G = 10 µ" (0.25 µm) Gold on contact and tail		–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.