

SMT MICRO HEADER & SOCKET

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



FTE
Mates:
CLE

CLE
Mates:
FTE, AW

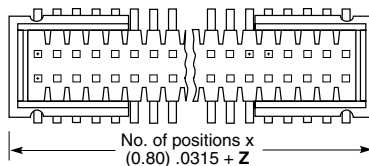
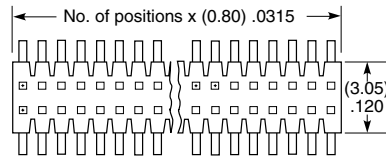
SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Contact Material:
BeCu
Plating:
Au over 50 μ " (1.27 μ m) 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 μ m) Au

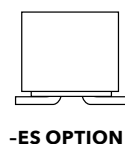
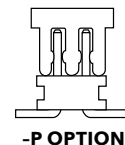
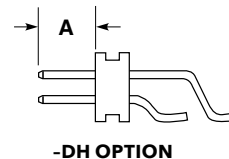
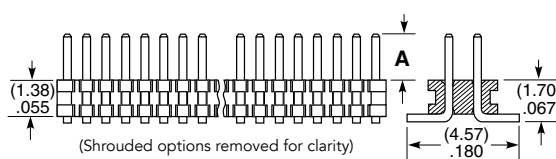
PROCESSING

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)

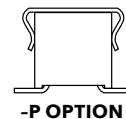
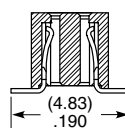
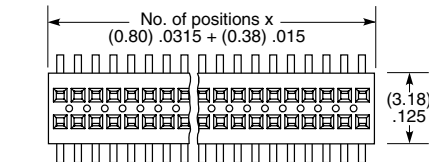
FTE	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	TAIL OPTION	FLEX SHROUD OPTIONS	OTHER OPTION
		05 thru 90	Specify LEAD STYLE from chart	-G = 10 μ " (0.25 μ m) Gold on post, Gold flash on balance	-DV = Dual Vertical -DH = Dual Horizontal (50 positions maximum)	Style -01 -DV only (11 pins/row minimum) -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)



OPTION	Z	LEAD STYLE	A
-ES	(1.57) .062	-01	(1.90) .075
-EC	(4.11) .162	-02	(4.45) .175
-EP	(5.51) .217	-03	(3.05) .120



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 μ m) 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)



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