

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)

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

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

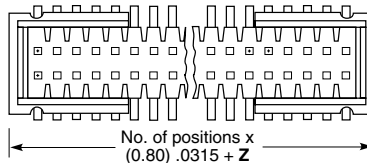
-A
= Alignment
Pin
(5 positions
minimum)
Metal or
plastic at
Samtec
discretion
(-DV only)

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

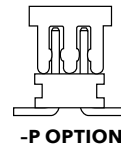
-P
= Plastic Pick
& Place Pad
(8 positions
minimum)
-DV only

-TR
= Tape & Reel

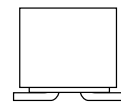
-FR
= Full Reel
Tape & Reel
(must order
max. quantity
per reel;
contact
Samtec for
quantity
breaks)



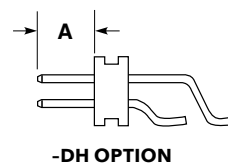
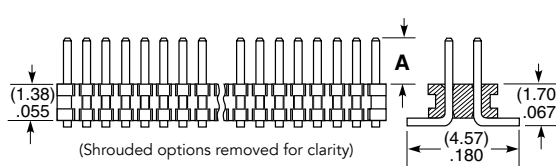
OPTION	Z	LEAD STYLE	A
-ES	(1.57) .062	-01	(1.90) .075
-EC	(4.11) .162	-02	(4.45) .175
-EP	(5.51) .217	-03	(3.05) .120



-P OPTION



-ES OPTION



-DH OPTION

CLE	1	NO. PINS PER ROW	01	PLATING OPTION	DV	OPTIONS
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04 thru 90

-F
= Gold flash
on contact
and tail

-G
= 10 μ "
(0.25 μ m)
Gold on
contact
and tail

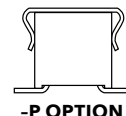
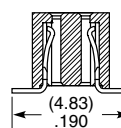
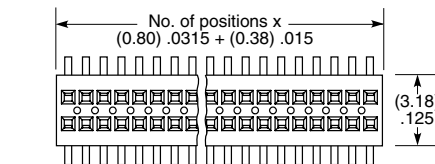
-A
= Alignment Pin
(4 positions minimum)
Metal or plastic at
Samtec discretion.

-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)



-P OPTION