

(0.80 mm) .0315"

FTE SERIES

# SMT MICRO HEADER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FTE](http://www.samtec.com?FTE)

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze

**Plating:**  
Au over 50  $\mu$ " (1.27  $\mu$ m) Ni  
**Current Rating (FTE/CLE):**  
2.7 A per pin  
(2 pins powered)  
**Operating Temp Range:**  
-55 °C to +125 °C  
**RoHS Compliant:**  
Yes

## PROCESSING

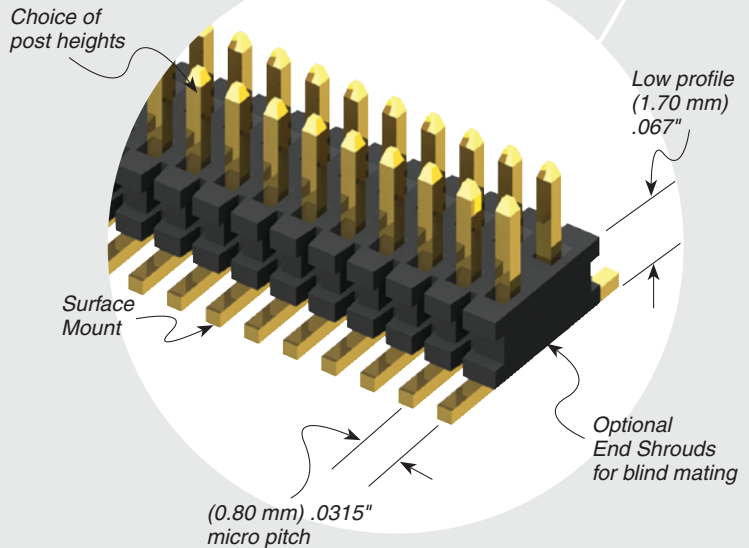
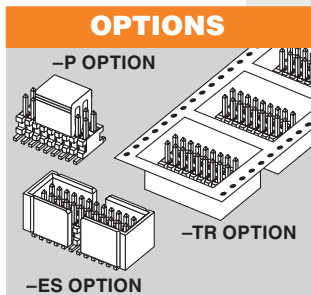
**Lead-Free Solderable:**  
Yes  
**-DV Lead Coplanarity:**  
(0.10 mm) .004" max  
**-DH Lead Coplanarity:**  
(0.10 mm) .004" max (05-25)  
(0.15 mm) .006" max (26-50)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



Mates with:  
CLE



FTE	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	TAIL OPTION	FLEX SHROUD OPTIONS	OTHER OPTION
1	05 thru 90	Specify LEAD STYLE from chart	-G = 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Gold flash on balance	-DV = Dual Vertical -DH = Dual Horizontal (50 pos. max.)	Style -01 -DV only (11 pins/row min.) -ES = End Shroud -EC = End Shroud with Locking Clips (Manual placement required) -EP = End Shroud with Guide Posts	-A = Alignment Pin (5 pos. min.) 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 pos. min.) -DV only -TR = Tape & Reel Packaging

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

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

## ALSO AVAILABLE (MOQ Required)

- End shrouds with board locks
  - Gold flash plating
- Contact Samtec.

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.