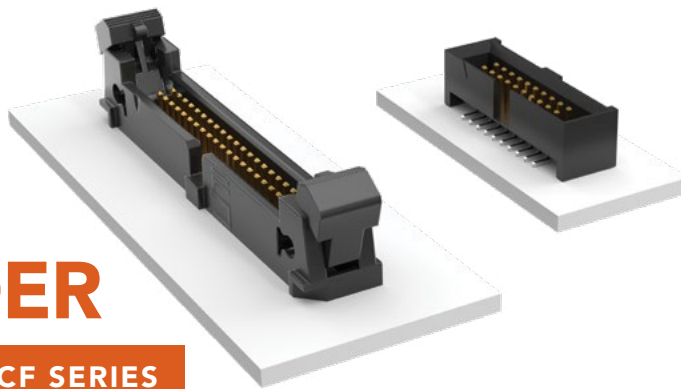


# SHROUDED AND EJECTOR IDC HEADER

(1.27 mm) .050" PITCH • SHF/ESHF/EHF/ECF SERIES



## SHF/ESHF

**Mates:**  
FFSD, FFTP (SHF)

## EHF

**Mates:**  
FFSD\*, FFTP

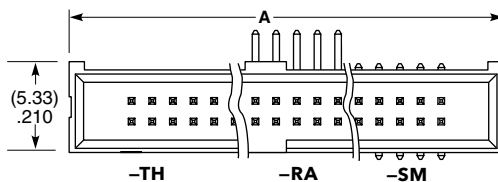
**\*Important Note:**  
EHF will not mate to FFSD with strain relief (-SR option), see ESHF series.

| SERIES | 1 | NO. PINS PER ROW | 01 | PLATING OPTION | D | TAIL OPTION | OTHER OPTION |
|--------|---|------------------|----|----------------|---|-------------|--------------|
|--------|---|------------------|----|----------------|---|-------------|--------------|

|                                                       |                                                                           |                                                                                   |                               |                                                                                         |
|-------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------|
| <b>SHF</b><br>= Mates with FFSD without Strain Relief | <b>04, 05, 06, 08, 10, 11, 12, 13, 15, 17, 20, 25</b><br>(Standard sizes) | <b>-L</b><br>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold on post,<br>Matte Tin on tail | <b>-TH</b><br>= Through-hole  | <b>-LC</b><br>= Locking Clip<br>(Not available with -RA)<br>(Manual placement required) |
| <b>ESHF</b><br>= Mates with FFSD with Strain Relief   |                                                                           |                                                                                   | <b>-RA</b><br>= Right-angle   | <b>-K</b><br>= (6.50 mm) .256" DIA<br>Polyimide Film<br>Pick & Place Pad<br>(-SM only)  |
|                                                       |                                                                           |                                                                                   | <b>-SM</b><br>= Surface Mount | <b>-TR</b><br>= Tape & Reel                                                             |

## SPECIFICATIONS

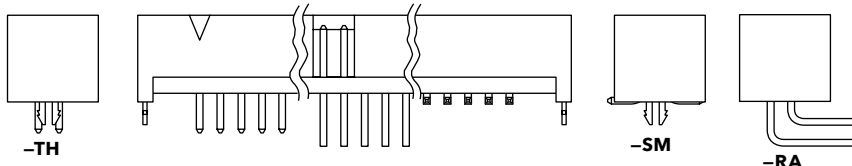
**Insulator Material:**  
Black Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze  
**Plating:**  
Sn or Au over  
50  $\mu$ " (1.27  $\mu$ m) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C



| TYPE STRIP | A                                           |
|------------|---------------------------------------------|
| SHF        | No. of pins x<br>(1.27) .050 + (6.35) .250  |
| ESHF       | No. of pins x<br>(1.27) .050 + (10.16) .400 |

## PROCESSING

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max



| EHF | 1 | NO. PINS PER ROW | 01 | PLATING OPTION | D | TAIL OPTION | OTHER OPTION |
|-----|---|------------------|----|----------------|---|-------------|--------------|
|-----|---|------------------|----|----------------|---|-------------|--------------|

**04, 05, 08, 10, 13, 17, 20, 25**  
(Standard sizes)

**-F**  
= Gold flash on post,  
Matte Tin on tail  
**-L**  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on post,  
Matte Tin on tail

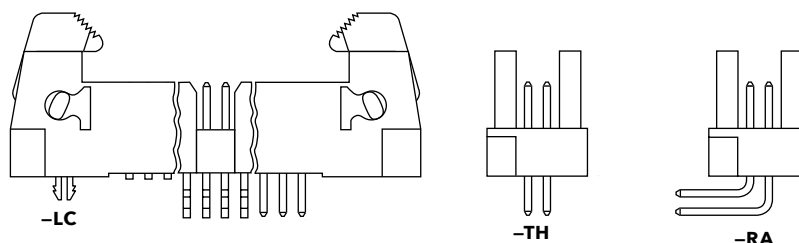
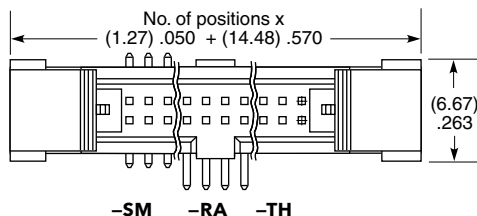
Leave blank for  
Through-hole  
version  
**-SM**  
= Surface Mount  
**-RA**  
= Right-angle

**-XX**  
= Polarized Position  
(-RA not available)  
**-LC**  
= Locking Clip  
(-SM only)  
(Manual placement required)

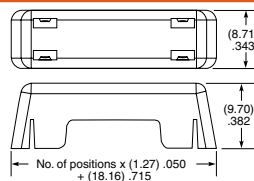
**-K**  
= (7.50 mm) .295" DIA  
Polyimide Film  
Pick & Place Pad  
**-P**  
= Pick & Place Pad  
(-SM only)

**-TR**  
= Tape & Reel  
(-LC not available)

**-FR**  
= Full Reel  
Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec for  
quantity breaks)  
(-LC not available)



## EJECTOR HEADER CAP (Locks FFSD cable to EHF header)



**ECF** - **NO. PINS PER ROW**

**05, 08, 10, 13, 17, 20, 25**

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

[samtec.com?SHF](http://samtec.com?SHF), [samtec.com?ESHF](http://samtec.com?ESHF) or [samtec.com?EHF](http://samtec.com?EHF)

F-221 (Rev 01JUN21)