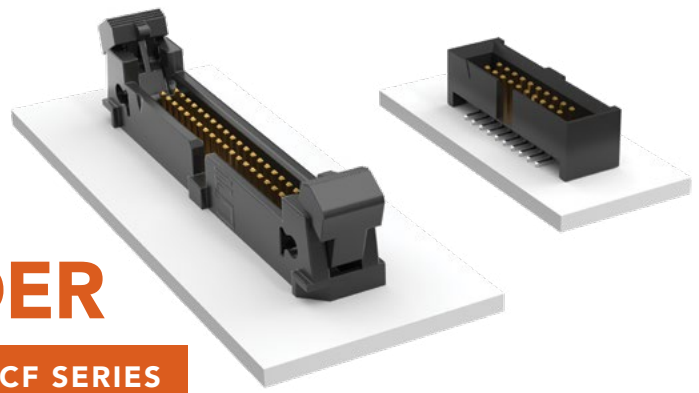


# SHROUDED AND EJECTOR IDC HEADER

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



## SHF/ESHF

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

## EHF

**Mates:**  
FFSD\*, FFTP

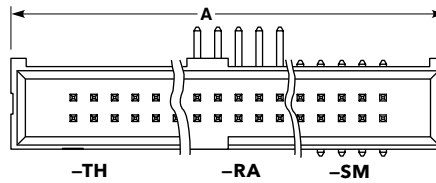
**\*Important Note:**  
EHF will not mate to FFSD with strain relief (-SR option), see ESHF series.

<b>SERIES</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>TAIL OPTION</b>	<b>OTHER OPTION</b>
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<b>SHF</b> = Mates with FFSD without Strain Relief	<b>04, 05, 06, 08, 10, 11, 12, 13, 15, 17, 20, 25</b> (Standard sizes)	<b>-L</b> = 10 μm (0.25 μm) Gold on post, Matte Tin on tail	<b>-TH</b> = Through-hole	<b>-LC</b> = Locking Clip (Not available with -RA) (Manual placement required)
<b>ESHF</b> = Mates with FFSD with Strain Relief			<b>-RA</b> = Right-angle	<b>-K</b> = (6.50 mm) .256" DIA Polyimide Film Pick & Place Pad (-SM only)
			<b>-SM</b> = Surface Mount	<b>-TR</b> = Tape & Reel
				<b>-FR</b> = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

## SPECIFICATIONS

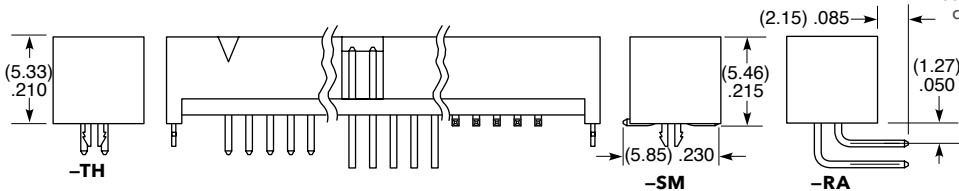
**Insulator Material:**  
Black Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze  
**Plating:**  
Sn or Au over 50 μm (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C



TYPE STRIP	A
SHF	No. of pins x (1.27) .050 + (6.35) .250
ESHF	No. of pins x (1.27) .050 + (10.16) .400

## PROCESSING

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



<b>EHF</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>TAIL OPTION</b>	<b>OTHER OPTION</b>
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**04, 05, 08, 10, 13, 17, 20, 25**  
(Standard sizes)

**-F**  
= Gold flash on post, Matte Tin on tail

**-L**  
= 10 μm (0.25 μm) 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)

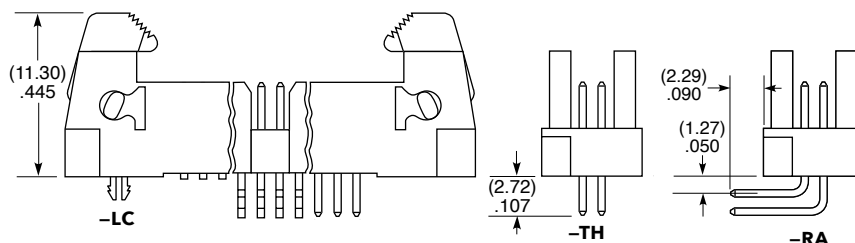
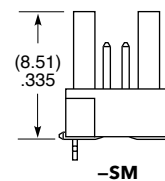
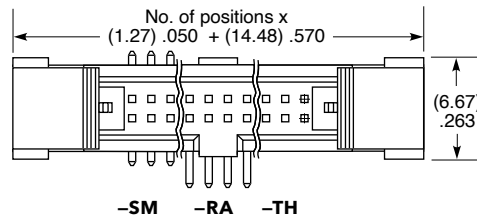
**-LC**  
= Locking Clip (-SM only) (Manual placement required)

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

**-P**  
= Pick & Place Pad (-SM only)

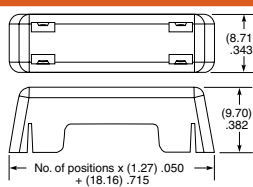
**-TR**  
= Tape & Reel (-LC not available)

**-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.

# Mouser Electronics

Authorized Distributor

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## Samtec:

[SHF-105-01-L-D-SM-TR](#) [SHF-110-01-L-D-SM-K-TR](#) [SHF-105-01-L-D-TH](#) [SHF-105-01-L-D-SM-K-TR](#) [SHF-120-01-L-D-TH](#) [SHF-108-01-L-D-TH](#) [SHF-105-01-L-D-SM](#) [SHF-105-01-L-D-SM-LC-K-TR](#) [SHF-110-01-L-D-TH](#) [SHF-113-01-L-D-RA](#) [SHF-108-01-L-D-RA](#) [SHF-120-01-L-D-SM-LC](#) [SHF-105-01-L-D-RA](#) [SHF-117-01-L-D-SM](#) [SHF-110-01-L-D-SM-LC](#) [SHF-104-01-L-D-SM](#) [SHF-112-01-L-D-RA](#) [SHF-113-01-L-D-TH](#) [SHF-120-01-L-D-SM-K-TR](#) [SHF-105-01-S-D-SM](#) [SHF-105-01-F-D-SM](#) [SHF-108-01-L-D-SM-LC](#) [SHF-125-01-L-D-TH](#) [SHF-110-01-L-D-RA](#) [SHF-110-01-L-D-SM](#) [SHF-105-01-L-D-RA-TR](#) [SHF-108-01-L-D-SM-K-TR](#) [SHF-105-01-F-D-SM-K-TR](#) [SHF-112-01-L-D-SM](#) [SHF-105-01-L-D-TH-TR](#) [SHF-125-01-L-D-RA](#) [SHF-113-01-L-D-SM-K-TR](#) [SHF-105-01-F-D-TH](#) [SHF-125-01-L-D-SM-LC](#) [SHF-120-01-L-D-RA](#) [SHF-110-01-L-D-RA-TR](#) [SHF-117-01-L-D-SM-K-TR](#) [SHF-125-01-L-D-SM-LC-K-TR](#) [SHF-108-01-L-D-SM](#) [SHF-115-01-L-D-SM-K-TR](#) [SHF-117-01-L-D-RA](#) [SHF-120-01-L-D-SM](#) [SHF-113-01-L-D-SM-LC](#) [SHF-115-01-L-D-TH](#) [SHF-110-01-L-D-SM-TR](#) [SHF-112-01-L-D-TH](#) [SHF-115-01-L-D-SM](#) [SHF-125-01-L-D-SM](#) [SHF-117-01-L-D-TH](#) [SHF-106-01-L-D-SM](#) [SHF-106-01-L-D-TH](#) [SHF-113-01-L-D-SM](#) [SHF-105-01-L-D-TH-LC](#) [SHF-105-01-L-D-SM-LC](#) [SHF-105-01-L-D-TH-LC-TR](#) [SHF-108-01-F-D-SM-K-TR](#) [SHF-113-01-F-D-SM-K-TR](#) [SHF-115-01-F-D-SM-K-TR](#) [SHF-105-01-F-D-SM-LC](#) [SHF-110-01-F-D-TH](#) [SHF-113-01-F-D-SM-LC](#) [SHF-115-01-F-D-SM](#) [SHF-105-01-L-D-SM-LC-TR](#) [SHF-107-01-L-D-SM](#) [SHF-110-01-F-D-SM-K-TR](#) [SHF-105-01-S-D-SM-K-TR](#) [SHF-120-01-L-D-SM-LC-TR](#) [SHF-117-01-L-D-SM-LC-K-TR](#) [SHF-108-01-L-D-SM-TR](#) [SHF-110-01-L-D-SM-LC-K-TR](#) [SHF-108-01-L-D-TH-TR](#) [SHF-120-01-F-D-SM-K-TR](#) [SHF-105-01-S-D-TH](#) [SHF-108-01-L-D-RA-TR](#) [SHF-117-01-L-D-SM-TR](#) [SHF-125-01-L-D-SM-K-TR](#) [SHF-110-01-F-D-SM](#) [SHF-110-01-F-D-SM-LC](#) [SHF-105-01-F-D-SM-TR](#) [SHF-114-01-L-D-SM](#) [SHF-110-01-S-D-SM-K-TR](#) [SHF-104-01-L-D-SM-LC-K-TR](#) [SHF-106-01-F-D-SM](#) [SHF-112-01-L-D-SM-LC](#) [SHF-120-01-L-D-TH-LC](#) [SHF-125-01-S-D-TH](#) [SHF-108-01-L-D-SM-LC-K-TR](#) [SHF-111-01-L-D-SM-LC](#) [SHF-115-01-L-D-SM-TR](#) [SHF-115-01-S-D-RA](#) [SHF-120-01-S-D-SM-LC](#) [SHF-120-01-S-D-SM-TR](#) [SHF-125-01-L-D-TH-LC](#) [SHF-117-01-L-D-SM-LC](#) [SHF-120-01-F-D-SM](#) [SHF-105-01-F-D-RA](#) [SHF-105-01-F-D-TH-TR](#) [SHF-107-01-L-D-SM-K-TR](#) [SHF-110-01-F-D-TH-LC](#) [SHF-113-01-L-D-SM-LC-K-TR](#)