



(1,27mm) .050"

SHF, ESHF, EHF, ECF SERIES

# SHROUDED & EJECTOR IDC HEADER

SHF, ESHF Mates with:  
FFSD, FFTP (SHF)

EHF Mates with:  
FFSD\*, FFTP

## SPECIFICATIONS

For complete specifications see [www.samtec.com](http://www.samtec.com)?SHF, [www.samtec.com](http://www.samtec.com)?ESHF or [www.samtec.com](http://www.samtec.com)?EHF

**Insulator Material:**  
Black Liquid Crystal Polymer



**Terminal Material:**  
Phosphor Bronze

**Plating:**

Sn or Au over 50µ" (1,27µm) Ni  
**Current Rating:**  
SHF & ESHF = 3A @ 80°C ambient  
EHF = 1.75A @ 80°C ambient

**Operating Temp Range:**  
-55°C to +125°C

**RoHS Compliant:**  
Yes

**Processing:**

**Lead-Free Solderable:**  
Yes

**SMT Lead Coplanarity:**  
(0,10mm) .004" max

**RoHS Compliant:**  
Yes

<b>TYPE STRIP</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>TAIL STYLE</b>	<b>OTHER OPTION</b>
<b>SHF</b> = Mates with FFSD without Strain Relief		<b>05, 08, 10, 13, 17, 20, 25</b>		<b>-L</b> = 10µ" (0,25µm) 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>-TR</b> = Tape & Reel Packaging
						<b>-SM</b> = Surface Mount	<b>-K</b> = (6,50mm) .256" DIA Polyimide Film Pick & Place Pad (-SM only)

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

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

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

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

<b>TYPE STRIP</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>
<b>EHF</b>		<b>05, 08, 10, 13, 17, 20, 25</b>		<b>-F</b> = Gold flash on post, Matte Tin on tail		Leave blank for Through-Hole version	<b>-XX</b> = Polarized Position (-RA not available)
				<b>-L</b> = 10µ" (0,25µm) Gold on post, Matte Tin on tail		<b>-SM</b> = Surface Mount	<b>-LC</b> = Locking Clip (-SM only) (Manual placement required)
						<b>-RA</b> = Right Angle	<b>-K</b> = (7,50mm) .295" DIA Polyimide Film Pick & Place Pad
							<b>-P</b> = Pick & Place Pad (-SM only)
							<b>-TR</b> = Tape & Reel Packaging (-LC not available)

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

**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.

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