



(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?SHF, www.samtec.com?ESHF or 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

| | | | | | | | |
|---|----------|-----------------------------------|-----------|--|----------|-------------------------------|---|
| TYPE STRIP | 1 | NO. PINS PER ROW | 01 | PLATING OPTION | D | TAIL STYLE | OTHER OPTION |
| SHF = Mates with FFSD without Strain Relief | | 05, 08, 10, 13, 17, 20, 25 | | -L = 10µ" (0,25µm) Gold on post, Matte Tin on tail | | -TH = Through-hole | -LC = Locking Clip (Not available with -RA) (Manual placement required) |
| ESHF = Mates with FFSD with Strain Relief | | | | | | -RA = Right Angle | -TR = Tape & Reel Packaging |
| | | | | | | -SM = Surface Mount | -K = (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

| | | | | | | | |
|-------------------|----------|-----------------------------------|-----------|--|----------|--------------------------------------|---|
| TYPE STRIP | 1 | NO. PINS PER ROW | 01 | PLATING OPTION | D | TAIL OPTION | OTHER OPTION |
| EHF | | 05, 08, 10, 13, 17, 20, 25 | | -F = Gold flash on post, Matte Tin on tail | | Leave blank for Through-Hole version | -XX = Polarized Position (-RA not available) |
| | | | | -L = 10µ" (0,25µm) Gold on post, Matte Tin on tail | | -SM = Surface Mount | -LC = Locking Clip (-SM only) (Manual placement required) |
| | | | | | | -RA = Right Angle | -K = (7,50mm) .295" DIA Polyimide Film Pick & Place Pad |
| | | | | | | | -P = Pick & Place Pad (-SM only) |
| | | | | | | | -TR = 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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