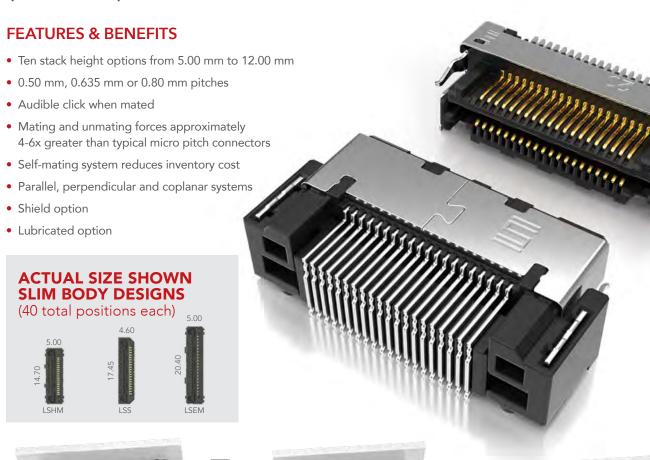


FINE PITCH SELF MATING CONNECTORS

(0.50 mm) .0197" PITCH



KEY SPECIFICATIONS

LSHM

mm STACK HEIGHT

INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	SMT COPLANARITY	LEAD-FREE SOLDERABLE
Black LCP	Phosophor Bronze	Au or Sn over 50 μ" (1.27 μm) Ni	-55 °C to +125 °C	LSHM: 2.0 A per pin LSS: 1.7 A per pin LSEM: 1.8 A per pin	(0.10 mm) .004" max	Yes

LSHM

8 mm STACK HEIGHT

LSHM

5 mm STACK HEIGHT







(0.50 mm) .0197" PITCH • RUGGED HERMAPHRODITIC CONNECTORS



NO. PINS PER ROW

05, 10, 20,

30, 40, 50

STYLE (Vertical) Specify

LEAD **STYLE** from chart

LEAD

(Right-angle) -01 = Standard

(Right-angle) -L1 = Lubricated

PLATING OPTION

= Gold flash

on contact, Matte Tin on tail =10 µ" (0.25 µm) Gold on contact,

Matte Tin on tail

-DV = Vertical

TAIL

OPTION

-DH = Right-angle (Lead style –01 & -L1 only)

-RH = Reverse Right-angle (Lead style –01 & -L1 only

-S = With Shield

SHIELD

OPTION

-N= Without Shield

-K = (3.50 mm) .138" DIA

Polyimide film Pick & Place Pad

-TR = Tape &

Reel -FR

= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

LSHM Board Mates: LSHM Cable Mates: HLCD

LEAD STYLE (STANDARD)

-02.5

-03.0

-04.0

-06.0



A	

(3.95) .156

(4.45) .175

(5.45) .215

(7.45) .293

			No. (0 ← (0 +
STYLE	Α	В	

(1.00) .039

(1.50) .059

(2.50).098

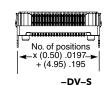
(4.50) .177

(0.50) .0197 + (4.70) .185
, - 1111111111111111111111





(4.98).196 B ∤



LEAD STYLE	MATED HEIGHT *
-02.5 & -02.5	(5.00) .196
-02.5 & -03.0	(5.50).217
-03.0 & -03.0	(6.00).236
-02.5 & -04.0	(6.50).256
-03.0 & -04.0	(7.00) .276
-04.0 & -04.0	(8.00).315
-02.5 & -06.0	(8.50).335
-03.0 & -06.0	(9.00).354
-04.0 & -06.0	(10.00) .394
-06.0 & -06.0	(12.00) .472

^{*}Processing conditions will affect mated height.

LEAD (LUBRI

-L2.5

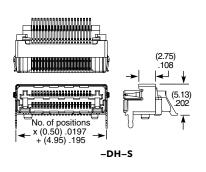
-L3.0

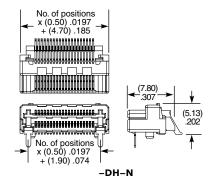
-14.0

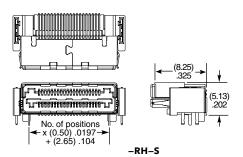
-L6.0

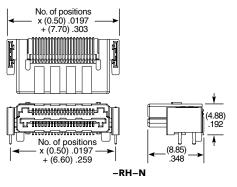


Some lengths, styles and options are non-standard, non-returnable.









View complete specifications at: samtec.com?LSHM





(0.635 mm) .025" PITCH • RUGGED HERMAPHRODITIC CONNECTORS



10, 20, 30, 40, 50

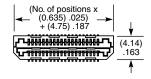


LEAD STYLE	A	В
-01	(4.45) .1752	(1.59) .0628
-02	(7.45) .2933	(4.59) .1808
-03	(5.45) .2146	(2.59) .1021

Specify
LEAD
STYLE
from
chart

STYLE
from
chart

-L
=10 \(\mu'' \) (0.25 \(\mu \)
Gold on contact,
Matte Tin on tail







–K = (3.50 mm) .138" DIA Polyimide film Pick & Place Pad

> **-TR** = Tape & Reel

-FR= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

LEAD STYLE	MATED HEIGHT *
-01 & -01	(6.00) .236
-01 & -03	(7.00) .276
-03 & -03	(8.00) .315
-01 & -02	(9.00) .354
-02 & -03	(10.00) .394
-02 & -02	(12.00) .472

*Processing conditions will affect mated height.

(0.80 mm) .0315" PITCH • RUGGED HERMAPHRODITIC CONNECTORS



View complete specifications at: samtec.com?LSS

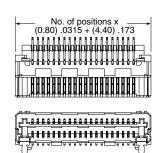
10, 20, 30, 40, 50 Specify LEAD STYLE from chart F= Gold flash on contact, Matte Tin on tail

-L =10 μ" (0.25 μm) Gold on contact, Matte Tin on tail **-DV** = Vertical

-DH = Right-angle (Lead style -01 only) -K = (3.50 mm) .138" DIA Polyimide film Pick & Place Pad **-TR** = Tape & Reel

-FR
= Full Reel
Tape & Reel
(must order
maximum
quantity
per reel;
contact
Samtec for
quantity
breaks)





-DH

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

LEAD STYLE	A	В
-01 (-DH only)	N/A	NA
-03.0	(4.45) .175	(1.50) .059
-04.0	(5.45) .215	(2.50) .098
-06.0	(7.45) .293	(4.50) .177



No. of positions x (0.80) .0315 + (4.40) .173

-DV

→ (4.98) - 196
B A

LEAD STYLE	MATED HEIGHT *
-03.0 & -03.0	(6.00) .236
-03.0 & -04.0	(7.00) .276
-04.0 & -04.0	(8.00) .315
-03.0 & -06.0	(9.00) .354
-04.0 & -06.0	(10.00) .394
-06.0 & -06.0	(12.00) .472

^{*}Processing conditions will affect mated height.

View complete specifications at: samtec.com?LSEM