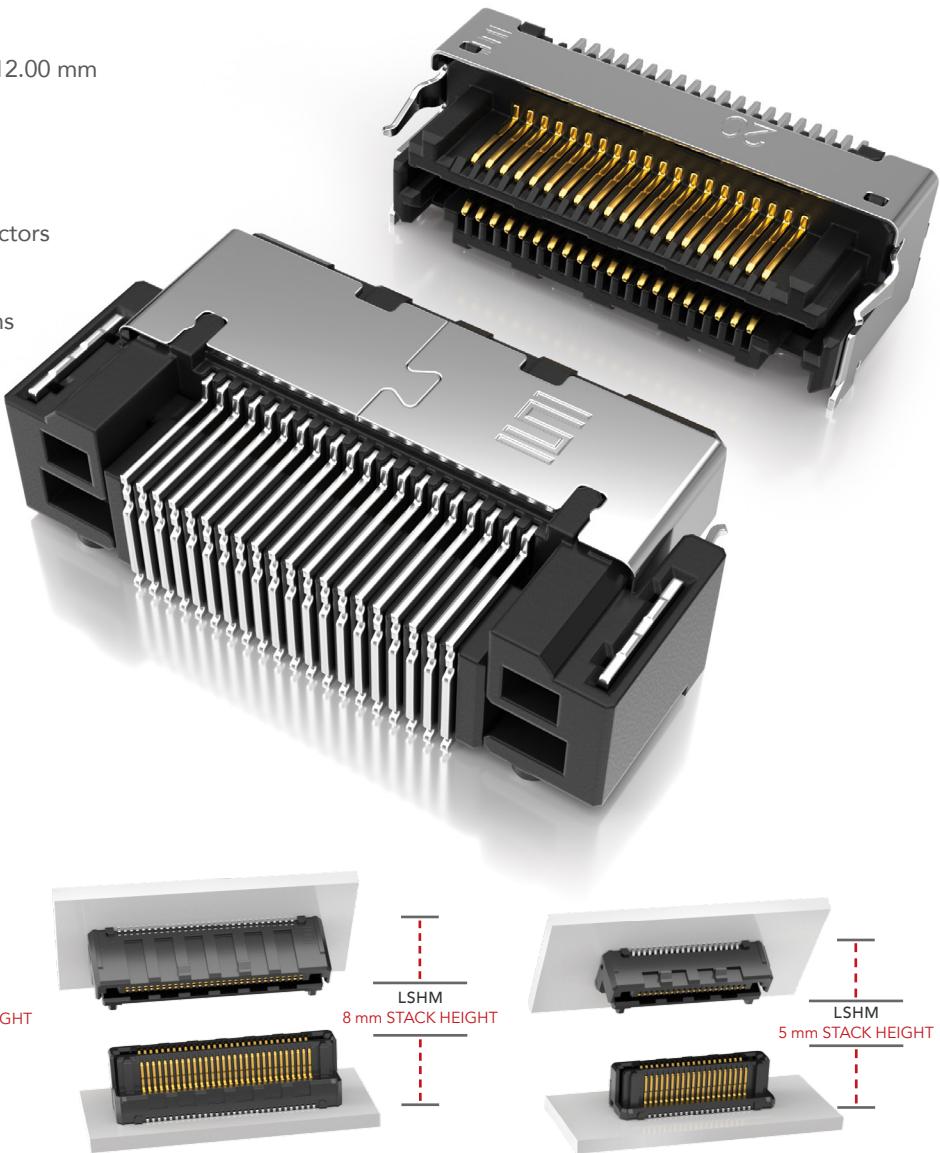


FINE PITCH SELF MATING CONNECTORS

0.50 mm, 0.635 mm and 0.80 mm PITCH

FEATURES & BENEFITS

- Ten stack height options from 5.00 mm to 12.00 mm
- 0.50 mm, 0.635 mm or 0.80 mm pitches
- Audible click when mated
- Mating and unmating forces approximately 4-6x greater than typical micro pitch connectors
- Self-mating system reduces inventory cost
- Parallel, perpendicular and coplanar systems
- Shielded and lubricated options
- Severe Environment Testing qualified (LSHM); aligns with MIL-DTL-55302. Visit samtec.com/set

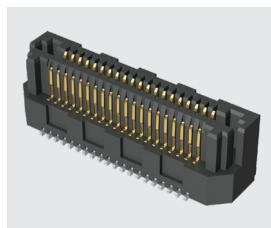


KEY SPECIFICATIONS

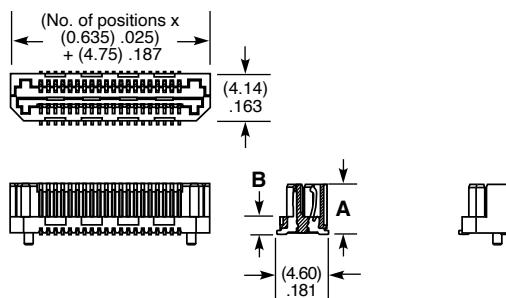
INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	SMT COPLANARITY	LEAD-FREE SOLDERABLE
Black LCP	Phosphor Bronze	Au or Sn over 50 μ " (1.27 μ m) Ni	-55 °C to +125 °C	LSHM: 2.0 A per pin LSS: 1.7 A per pin LSEM: 1.8 A per pin	LSHM: 160 VAC/226 VDC LSS: 300 VAC/424 VDC LSEM: 225 VAC/318 VDC	(0.10 mm) .004" max	Yes

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

LSS	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	DV	A	OPTION	"X"R
		10, 20, 30, 40, 50	Specify LEAD STYLE from chart	-F = Gold flash on contact, Matte Tin on tail -L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail	DV	A		
							-K = (3.50 mm) .138" DIA Polyimide film Pick & Place Pad	
							Leave blank for Tray Packaging	
							-TR = Tape & Reel	
							-FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)	



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



View complete specifications at: samtec.com?LSS

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

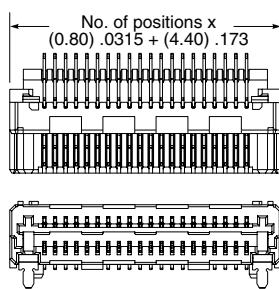
*Processing conditions will affect mated height.

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

LSEM	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	TAIL OPTION	A	N	K	"X"R
		20, 30, 40, 50	Specify LEAD STYLE from chart	-F = Gold flash on contact, Matte Tin on tail -L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail	-DV = Vertical -DH = Right-angle (Lead style -01 only)	A	N	K	"X"R
								-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	A	B
-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



View complete specifications at: samtec.com?LSEM

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.

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

-DH