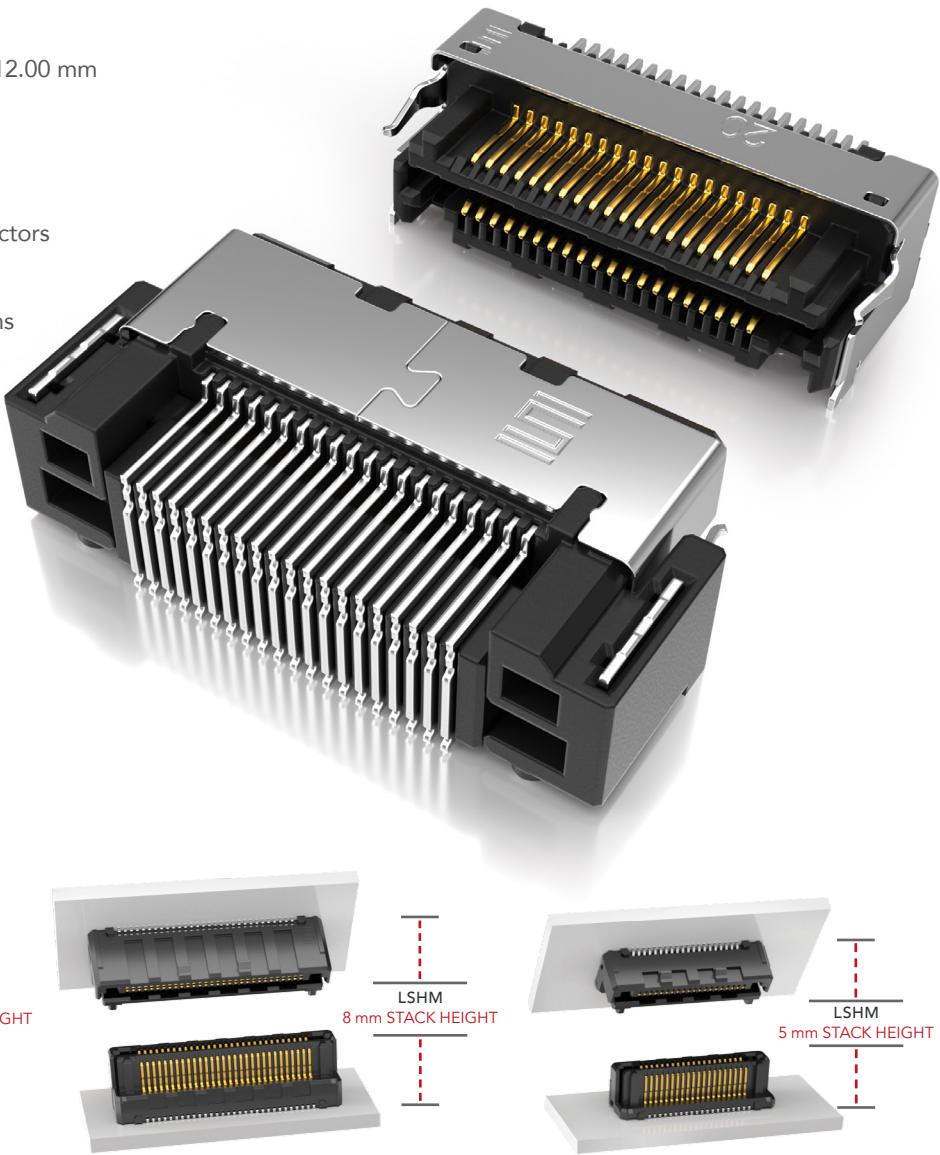


# FINE PITCH SELF MATING CONNECTORS

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](http://samtec.com/set)

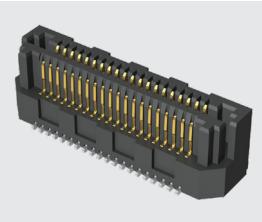


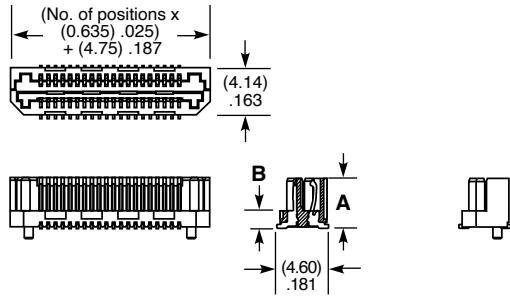
## KEY SPECIFICATIONS

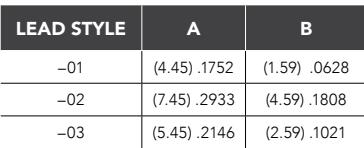
INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	SMT COPLANARITY	LEAD-FREE SOLDERABLE
Black LCP	Phosphor Bronze	Au or Sn over 50 $\mu$ " (1.27 $\mu$ m) Ni	-55 °C to +125 °C	LSHM: 2.0 A per pin LSS: 1.7 A per pin LSEM: 1.8 A per pin	LSHM: 160 VAC/226 VDC LSS: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

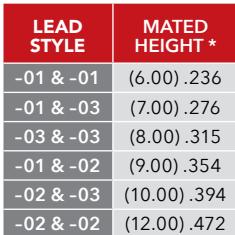
(0.635 mm) .025" PITCH • RUGGED HERMAPHRODITIC CONNECTORS

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 $\mu$ " (0.25 $\mu$ 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	-TR = Tape & Reel
							-FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)	







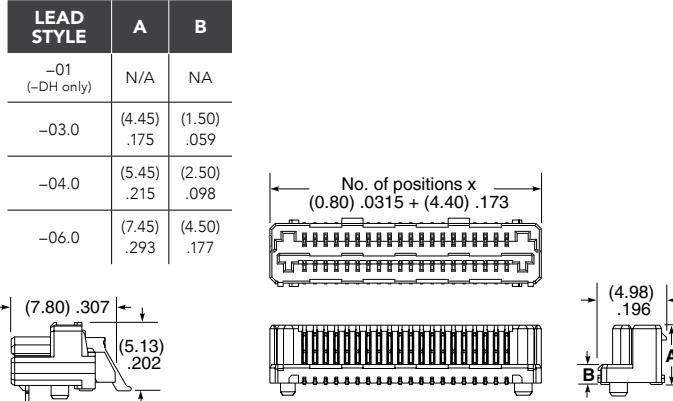


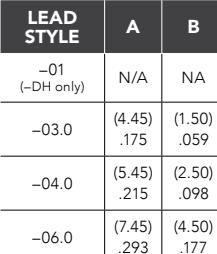
View complete specifications at: [samtec.com?LSS](http://samtec.com?LSS)

(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 $\mu$ " (0.25 $\mu$ 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
								-TR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)	-FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)









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

-DH

View complete specifications at: [samtec.com?LSEM](http://samtec.com?LSEM)