

-1 ALCOR = 16 coppie differenziali

-Scheda con 2 ALCOR

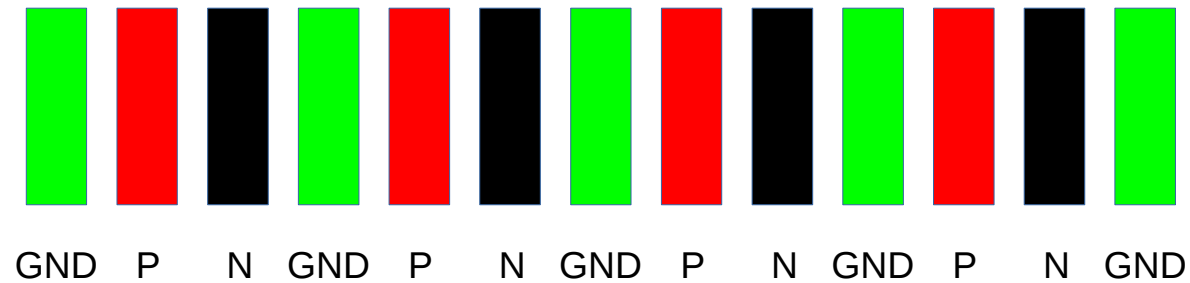
32 coppie differenziali +GND
Almeno 96 PIN sul connettore

-Larghezza connettore < 40mm

-Due connettori sulla scheda

1 Digitale

1 Analogico





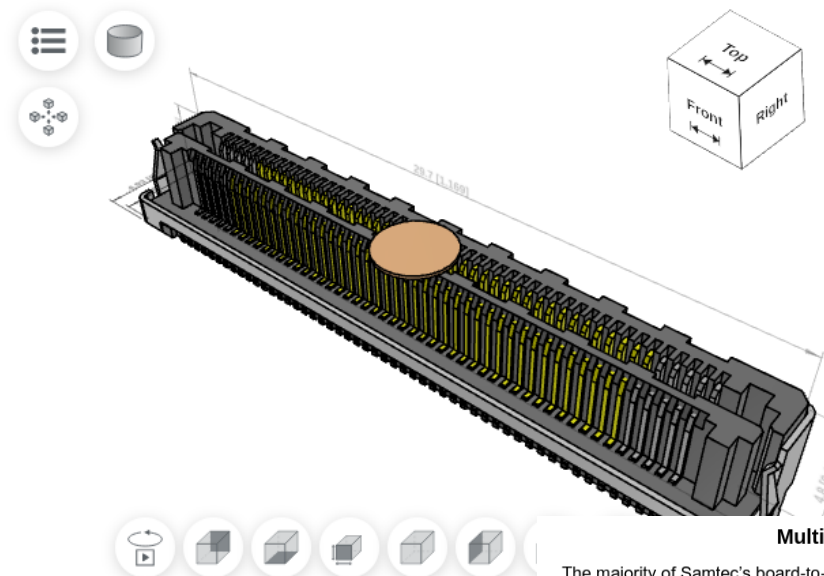
LSHM-150-02.5-L-DV-A-S-K-TR

Part Number	LSHM-150-02.5-L-DV-A-S-K-TR	
Series	LSHM	
Number of Positions	-50	
Lead Style	-02.5	
Plating	-L - 10µ" Light Selective Gold in Contact Area, Matte Tin on Tail	
Tail Option	-DV - Vertical	
Shield	-S - With Shield	
Pick and Place Pad	-K - Polyamide Film Pad	
Packaging Options	-TR - Tape and Reel	
A	3.950	mm
B	1.000	mm

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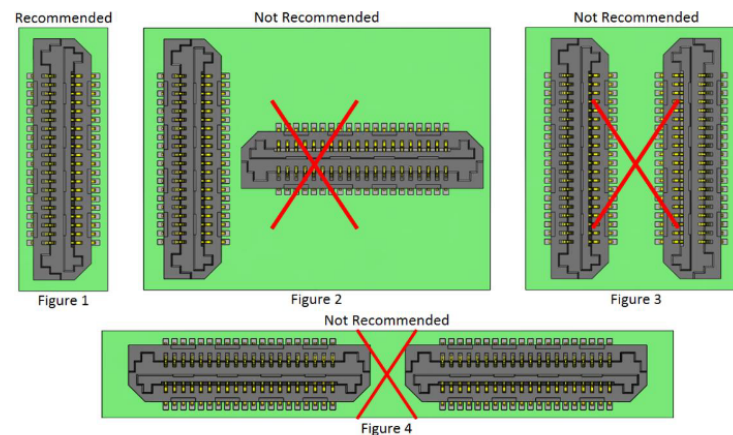
[3D](#) [Dimension](#) [Footprint by SnapEDA](#)



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Multiple LSXX Connector Applications

The majority of Samtec's board-to-board connectors are capable of being used in applications where multiple connectors are placed on a single board and mated simultaneously. However, due to the interlocking features and fine pitch of the LSXX (LSEM, LSS or LSHM) connectors, maintaining proper linear and angular alignment during mating and unmating is essential to minimize the potential for connector damage. As a result, Samtec highly recommends against the use of multiple LSXX connectors, mated simultaneously, per board.



If multiple LSXX connectors per board are required, the below recommendations must be followed:

- Closely follow the Samtec recommended footprint and stencil designs
- Ensure a good solder print
- Machine place the components
- Allow the connectors to mate and dictate their own alignment prior to the boards being rigidly fixed. Furthermore, it is important to ensure that tightening the mounting hardware does not alter the alignment.

Samtec
LSHM-150-XX
100 pin
~30mm



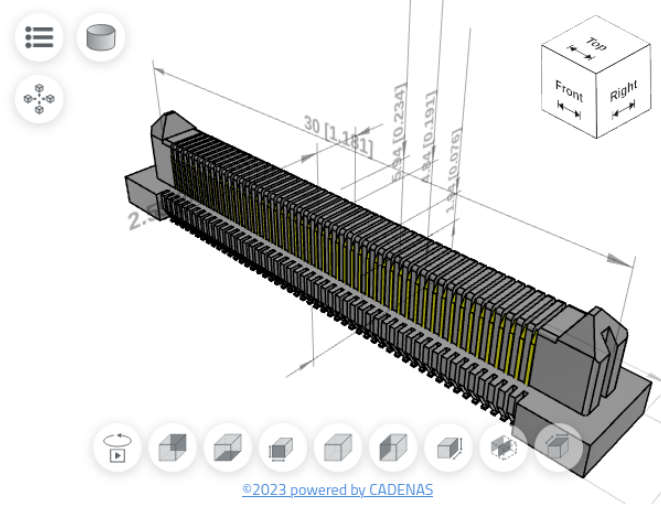
ERM5-050-02.0-L-DV-TR

Part Number	ERM5-050-02.0-L-DV-TR	
Series	ERM5	
Number of Positions	-050	
Lead Style	-02.0 - 2mm	
Plating	-L - 10 µm Light Selective Gold / 50 Ni min on Contact Area, Matte Tin on Tail	
Row Specification	DV - Double Vertical	
Friction Lock	Not Available	
Weld Tab	Not Selected	
Latches	Not Available	
Pick and Place	Not Selected	
Packaging Options	-TR: Tape and Reel	
A	1.940	mm
B	4.840	mm

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3D Dimension Footprint by SnapEDA



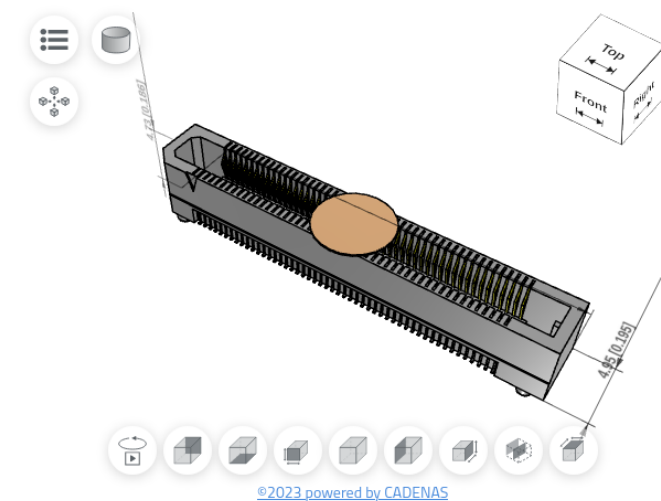
ERF5-050-05.0-L-DV-K-TR

Part Number	ERF5-050-05.0-L-DV-K-TR	
Series	ERF5	
Number of Positions	-050	
Lead Style	-05.0 - 5mm	
Plating	-L - 10 µm Light Selective Gold In Contact Area, Matte Tin on Tail	
Number of Rows	DV - Double Vertical	
Friction Lock	Not Available	
Weld Tab	Not Selected	
Latches	Not Available	
Pick and Place	-K - Polyamide Film Pad	
Packaging Options	-TR - Tape and Reel	

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3D Dimension Footprint by SnapEDA



Samtec
ERM5-050-XX
ERF5-050-XX
100 pin
~32mm
Distanza tra le schede:
7:12mm

	Produttore Codice prodotto ERM5-050-02.0-L-DV-TR Codice Mouser 200-ERM505005.0LDVTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Terminal Maggiori informazioni	☒ Scheda dati	712 A magazzino	Nastro continuo 1: 8.64 € 10: 7.78 € 25: 7.14 € 100: 5.90 € Nastri 250: 5.53 € 500: Visualizza
	Produttore Codice prodotto ERM5-050-02.0-L-DV-P-TR Codice Mouser 200-ERM5050020LDVPTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Terminal Maggiori informazioni	☒ Scheda dati	685 A magazzino	Nastro continuo 1: 8.62 € 10: 7.77 € 25: 7.12 € 100: 6.94 € Nastri 475: 5.13 € 2.375: Visualizza
	Produttore Codice prodotto ERM5-050-02.0-L-DV-TR Codice Mouser 200-ERM505002.0LDVTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Terminal Maggiori informazioni	☒ Scheda dati	1.088 A magazzino	Nastro continuo 1: 7.57 € 10: 6.95 € 25: 6.36 € 250: 5.67 € Nastri 500: 4.42 €
	Produttore Codice prodotto ERM5-050-05.0-L-DV-K-TR Codice Mouser 200-ERM5050050LDVKTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Terminal Maggiori informazioni	☒ Scheda dati	236 A magazzino	Nastro continuo 1: 8.84 € 10: 7.95 € 25: 7.30 € 100: 7.11 € Nastri 250: 6.33 € 500: Visualizza

	Produttore Codice prodotto ERF5-050-01-L-D-RA-TR Codice Mouser 200-ERF505001LDRA-TR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Socket Maggiori informazioni	☒ Scheda dati	855 A magazzino	
	Produttore Codice prodotto ERF5-050-05.0-L-DV-TR Codice Mouser 200-ERF505005.0LDVTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Socket Maggiori informazioni	☒ Scheda dati	1.088 A magazzino	
	Produttore Codice prodotto ERF5-050-05.0-L-DV-K-TR Codice Mouser 200-ERF5050050LDVKTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Socket Maggiori informazioni	☒ Scheda dati	948 A magazzino	
	Produttore Codice prodotto ERF5-050-07.0-L-DV-K-TR Codice Mouser 200-ERF5050070LDVKTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Socket Maggiori informazioni	☒ Scheda dati	114 A magazzino	



ERM5-060-02.0-L-DV-P-TR

Part Number	ERM5-060-02.0-L-DV-P-TR	
Series	ERM5	
Number of Positions	-060	
Lead Style	-02.0 - 2mm	
Plating	-L - 10 µ" Light Selective Gold / 50 Ni min on Contact Area, Matte Tin on Tail	
Row Specification	DV - Double Vertical	
Friction Lock	Not Available	
Weld Tab	Not Selected	
Latches	Not Available	
Pick and Place	-P - Pick and Place Pad	
Packaging Options	-TR: Tape and Reel	
A	1.940	mm
B	4.840	mm



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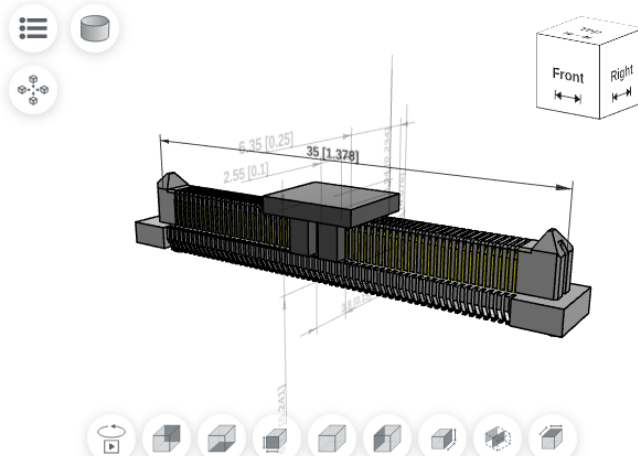


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3D

Dimension

Footprint by SnapEDA



ERF5-060-05.0-L-DV-K-TR

Part Number	ERF5-060-05.0-L-DV-K-TR	
Series	ERF5	
Number of Positions	-060	
Lead Style	-05.0 - 5mm	
Plating	-L - 10 µ" Light Selective Gold in Contact Area, Matte Tin on Tail	
Number of Rows	DV - Double Vertical	
Friction Lock	Not Available	
Weld Tab	Not Selected	
Latches	Not Available	
Pick and Place	-K - Polyamide Film Pad	
Packaging Options	-TR - Tape and Reel	



Download CAD

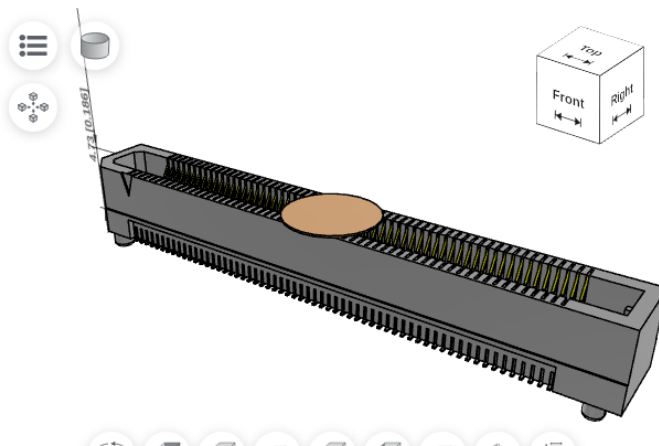


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3D

Dimension

Footprint by SnapEDA



Samtec
ERM5-060-XX
ERF5-060-XX
120 pin (40 coppie diff.)
~37mm
Distanza tra le schede:
7:12mm

☐		Produttore Codice prodotto ERM5-060-05.0-L-DV-K-TR Codice Mouser 200-ERM5060050LDVKTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Terminal Maggiori informazioni	☒ Scheda dati	1.656 A magazzino	Nastro continuo 1: 9,77 € 10: 8,79 € 25: 8,07 € 100: 7,86 € Nastrati 275: 7,00 € 550: Visualizza
☐		Produttore Codice prodotto ERM5-060-04.0-L-DV-K-TR Codice Mouser 200-ERM5060040LDVKTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Terminal Maggiori informazioni	☒ Scheda dati	296 A magazzino	Nastro continuo 1: 9,46 € 10: 9,05 € 100: 7,61 € Nastrati 300: 6,12 € 600: 5,85 € 900: 5,34 €
☐		Produttore Codice prodotto ERM5-060-02.0-L-DV-P-TR Codice Mouser 200-ERM5060020LDVPTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Terminal Maggiori informazioni	☒ Scheda dati	940 A magazzino	Nastro continuo 1: 7,81 € 10: 7,23 € 100: 5,47 € Nastrati 475: 5,47 € 950: 5,33 €
☐		Produttore Codice prodotto ERM5-060-05.0-L-DV-TR Codice Mouser 200-ERM5060050LDVTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Terminal Maggiori informazioni	☒ Scheda dati	225 A magazzino	Nastro continuo 1: 9,56 € 10: 8,61 € 25: 7,91 € 100: 7,69 €

☐		Produttore Codice prodotto ERF5-060-05.0-L-DV-K-TR Codice Mouser 200-ERF5060050LDVKTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Socket Maggiori informazioni	☒ Scheda dati	893 A magazzino	Nastro continuo 1: 8,14 € 10: 7,43 € 100: 5,78 € 250: 5,61 € Nastrati 575: 5,23 €
☐		Produttore Codice prodotto ERF5-060-05.0-L-DV-TR Codice Mouser 200-ERF5060050LDVTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Socket Maggiori informazioni	☒ Scheda dati	561 A magazzino	Nastro continuo 1: 9,05 € 10: 8,66 € 100: 7,28 € 250: 6,16 € Nastrati 575: 5,51 € 1.150: Visualizza
☐		Produttore Codice prodotto ERF5-060-07.0-L-DV-K-TR Codice Mouser 200-ERF5060070LDVKTR	Samtec	Connettori Mezzanine scheda-scheda 0.50 mm Edge Rate Rugged High Speed Socket Maggiori informazioni	☒ Scheda dati	650 A magazzino	Nastro continuo 1: 10,16 € 10: 8,48 € 100: 8,17 € Nastrati 325: 6,91 €