

SEAR SERIES

85 Ω HIGH-SPEED/HIGH-DENSITY RISER

SPECIFICATIONS

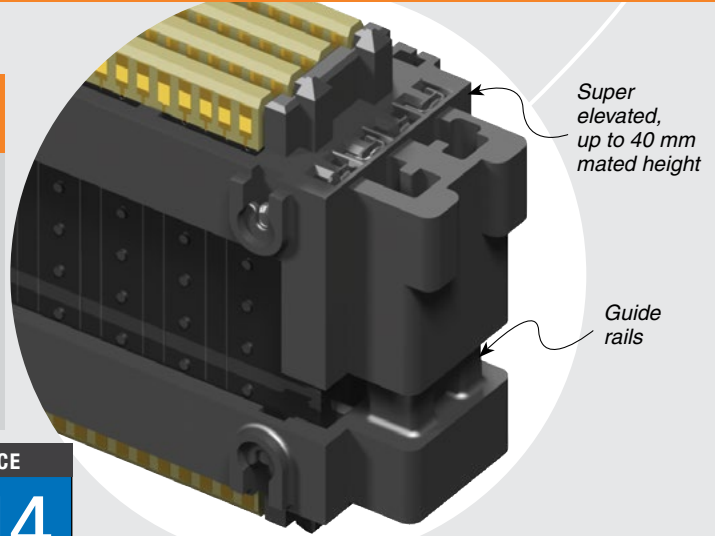
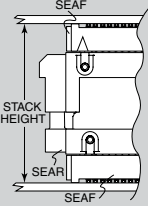
For complete specifications and recommended PCB layouts see www.samtec.com?SEAR

- Insulator Material:** Black LCP
- Clip Material:** Copper Alloy
- PCB Material:** FR4, Copper
- Operating Temp Range:** -55 °C to +125 °C
- Current Rating:**
- Signal: 1.4 A per pin (20 adjacent signal pins powered)
- Ground: 5.4 A per pin (10 adjacent ground pins powered)
- Contact Area:** Hard Gold plated
- Working Voltage:** 240 VAC
- RoHS Compliant:** Yes
- Lead-Free Solderable:** Yes

Side A Mates with: SEAF
Side B Mates with: SEAF

ALSO AVAILABLE (MOQ Required)

- Custom stack heights up to 40 mm
 - 50 Ω and 100 Ω systems
 - Additional positions
 - Additional row options
- Contact Samtec.



HIGH-SPEED CHANNEL PERFORMANCE

SEAR/SEAF @ 20 mm Mated Stack Height
 Rating based on Samtec reference channel.
 For full SI performance data visit Samtec.com or contact SIG@samtec.com

14
G b p s

SEAR

NO. OF PINS PER ROW

LEAD STYLE

NO. OF ROWS

085

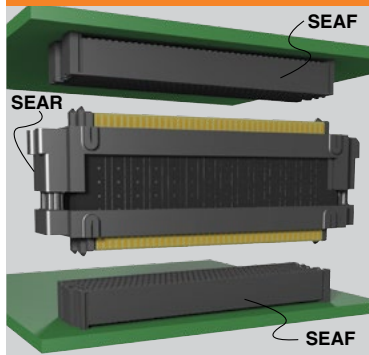
-40, -50
(Call Samtec for other sizes)

Specify **LEAD STYLE** from chart

-06 = Six Rows
-08 = Eight Rows
-10 = Ten Rows

-085 = 85 Ω system

APPLICATION

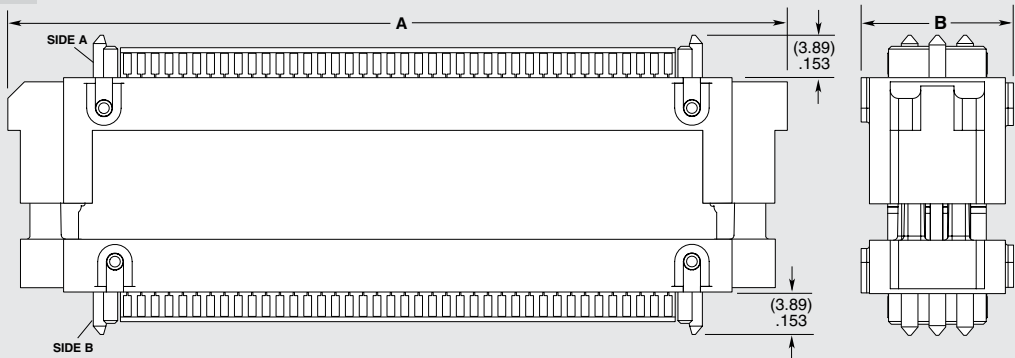


NO. OF POSITIONS	A
-40	(71.42) 2.812
-50	(84.12) 3.312

NO. OF ROWS	B
-06	(11.43) .450
-08	(13.97) .550
-10	(16.51) .650

MATED HEIGHT*	
SEAR LEAD STYLE	SEAF LEAD STYLE
	-05.0 (SIDE A & B)
-10.0	20 mm
-20.0	30 mm
-30.0	40 mm

*Processing conditions will affect mated height.



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

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.