

0,80mm EDGE RATE SOCKET ERF8 SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ERF8

- Insulator Material:** Black LCP
- Contact Material:** BeCu
- Plating:** Au or Sn over 50µ" (1,27µm) Ni
- Current Rating:** Testing Now!
- Operating Temp Range:** -55°C to + 125°C
- Voltage Rating:** Testing Now!
- RoHS Compliant:** Yes



Processing:

- Max Processing Temp:** 230°C for 60 seconds, or 260°C for 20 seconds 3x
- Lead-Free Solderable:** Yes
- SMT Lead Coplanarity:** (0,10mm) .004" max (010-030) (0,12mm) .005" max (040-075)

Mates with:
ERM8, ERCDA



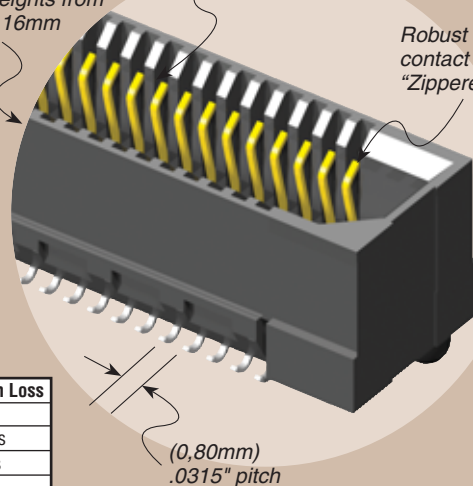
STACK HEIGHT			
ERF8 LEAD STYLE	ERM8 LEAD STYLE		
	-02.0	-05.0	-09.0
-05.0	(7,00) .276	(10,00) .394	(14,00) .551
-07.0	(9,00) .354	(12,00) .472	(16,00) .629

0,80mm ERM8/ERF8	Rated @ -3dB Insertion Loss
7mm Stack Height	
Single-Ended Signaling	10.5 GHz / 21 Gbps
Differential Pair Signaling	9.5 GHz / 19 Gbps
Performance data for other stack heights available at www.samtec.com?ERF8	

Stack Heights from 7mm to 16mm

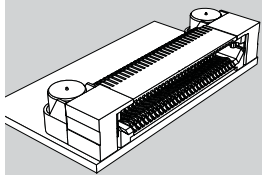
20 to 150 I/Os

Robust Edge Rate contact improves "Zippered" unmating



Extended Guide Post (-EGP) option for blind mate and docking applications available

ALSO AVAILABLE



Right Angle. See ERF8-RA.

APPLICATION SPECIFIC

Other positions available. Call Samtec.

ERF8	NO. OF POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	DV	OTHER OPTION
-------------	---------------------------------	-------------------	-----------------------	-----------	---------------------

-010, -013, -020, -025, -030, -040, -050, -060, -070, -075

Specify LEAD STYLE from chart

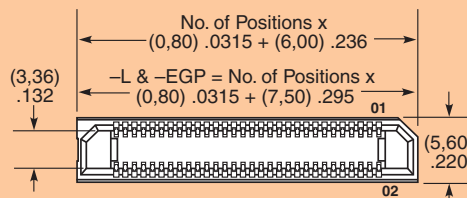
- S** = 30µ" (0,76µm) Gold on contact, Matte Tin on tail
- L** = 10µ" (0,25µm) Gold contact, Matte Tin on tail

-L = Latching (Lead Style -05.0 only)

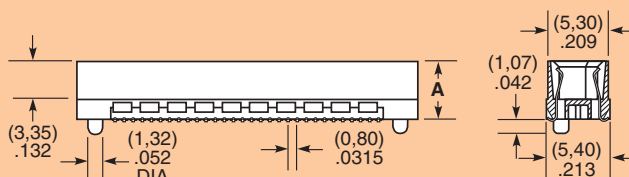
-EGP = Extended Guide Post (Lead Style -07.0 only)

-K = (6,00mm) .236" DIA Polyimide Film Pick & Place Pad

-TR = Tape & Reel Packaging



LEAD STYLE	A
-05.0	(5,10) .200
-07.0	(7,00) .276



-EGP OPTION PRELIMINARY

Note: Some lengths, 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