

(0.80 mm) .0315"

ERF8-RA, ERF8-EM SERIES

RUGGED EDGE RATE® STRIPS

ERF8-RA / ERF8-EM
Board Mates:

ERM8

ERF8-RA Cable Mates:

ERCD, ERDP

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ERF8-RA or www.samtec.com?ERF8-EM

Insulator Material:

Black LCP

Contact Material:

BeCu

Plating:

Au or Sn over
50 μ " (1.27 μ m) Ni

Current Rating:

2.2 A per pin
(1 pin powered per row)

Operating Temp Range:

-55 °C to +125 °C

Voltage Rating:

225 VAC / 318 VDC

RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity

(ERF8-RA):

(0.10 mm) .004" max

SMT Lead Coplanarity

(ERF8-EM):

(0.10 mm) .004" max (005-030)

(0.12 mm) .005" max (040-075)

RECOGNITIONS

For complete scope of
recognitions see
www.samtec.com/quality



FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

- Other positions
- Edge Mount option for (1.00 mm) .03937" thick PCB (ERF8-EM only)
- Solder leads & weld tab for (2.36 mm) .093" thick PCB (ERF8-RA only)
- Other platings

Contact Samtec.

Notes:

Patented

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

ERF8	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	RA	OTHER OPTION	TR
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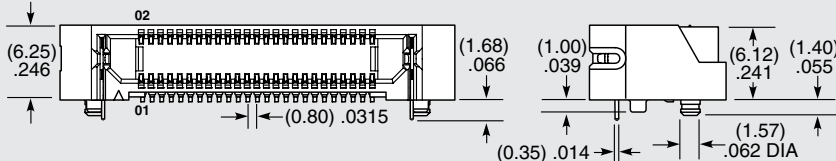
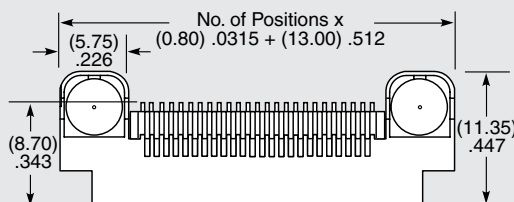
-010, -013, -020,
-025, -030, -040, -049,
-050, -060, -070, -075

-L
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail

-L
= Latching
(N/A with -EGP option)

-TR
= Tape &
Reel

-EGP
= Extended Guide Post
(N/A with -L option)



HIGH-SPEED CHANNEL PERFORMANCE

ERF8-RA/ERM8-RA

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

22
Gbps

RUGGEDIZED — BY SAMTEC —

- Edge Rate® contacts
- Latching option
- Extended guide post option
- PCB mounting pins

ERF8	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	EM2	OTHER OPTION	TR
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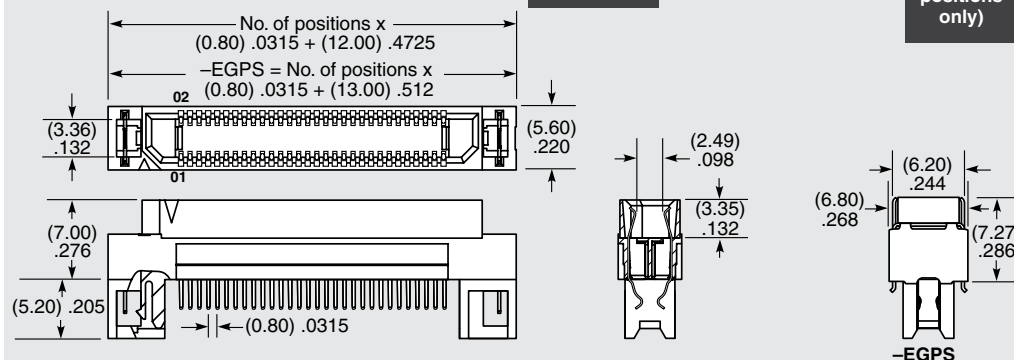
-005, -010, -013, -020,
-025, -030, -040, -049,
-050, -060, -070, -075

-L
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail

-EM2
= (1.60 mm) .062"
Thick PCB

-EGPS
= Extended Guide Post
Shield
(-010, -020,
-025, -030
positions
only)

-TR
= Tape &
Reel



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.