



(0,80 mm) .0315"

ERF8-030-01-L-D-RA-L-TR



ERF8-020-01-L-D-EM2-TR



ERF8-RA, ERF8-EM SERIES

RUGGED EDGE RATE™ STRIPS

ERF8-RA / ERF8-EM
Board Mates:
ERM8

ERF8-RA / ERF8-EM
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

50µ" (1,27 µm) Ni

Current Rating:

2.2 A per pin

(1 pin powered per row)

Operating Temp Range:

-55°C to +125°C

Voltage Rating (ERF8-RA):

235 VAC max

Voltage Rating (ERF8-EM):

200 VAC max

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)

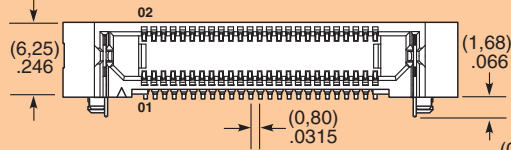
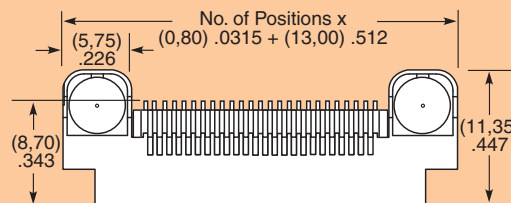
- Other positions
- Edge Mount option for (1,00 mm) .03937" thick PCB (ERF8-EM only)
- Solder leads & weld tab for (2,36 mm) .093" thick PCB (ERF8-RA only)
- Other platings
- Contact Samtec.

Note: Patented

Note: 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
= 10µ" (0,25 µm) Gold on contact,
Matte Tin on tail

ERF8-RA/ ERM8-RA	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	15.0 GHz / 30.0 Gbps
Differential Pair Signaling	15.5 GHz / 31.0 Gbps

* Test board losses
de-embedded from
performance data.

Complete test data available at
www.samtec.com?ERF8-RA
or contact sig@samtec.com

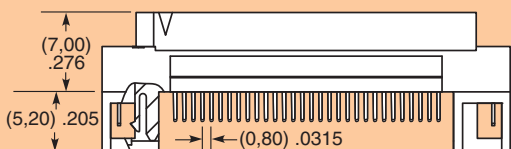
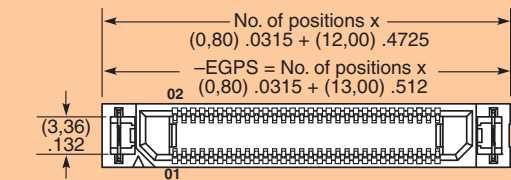
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G b p s



- 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

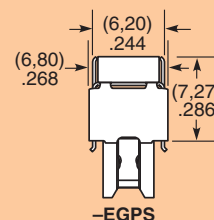
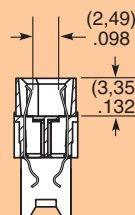


-L
= 10µ" (0,25 µm)
Gold on contact,
Matte Tin on tail

-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.

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