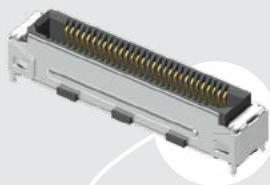


(0.80 mm) .0315"

ERF8-030-07.0-L-DV-EGPS-TR



ERF8-030-05.0-L-DV-S-TR



ERF8-S SERIES

RUGGED HIGH-SPEED SHIELDED SOCKET

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 50 μ " (1.27 μ m) Ni

Current Rating:

2.2 A per pin

(2 pins powered)

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:

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

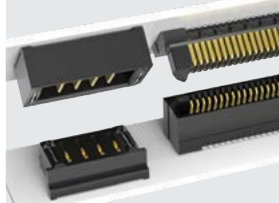
RECOGNITIONS

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



FILE NO. E111594

POWER/SIGNAL APPLICATION



Compatible with UMPT/UMPS for flexible two-piece power/signal solutions

ALSO AVAILABLE (MOQ Required)

- Mezzanine stack heights

Notes:

Patented

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

Board Mates:

See "Mated Height" Chart

(Note: ERM8-EGPS does not mate with ERF8-S)



HIGH-SPEED CHANNEL PERFORMANCE

ERM8/ERF8 @ 7 mm Mated Stack Height

Rating based on Samtec reference channel.

For full SI performance data visit Samtec.com or contact SIG@samtec.com

PAM 4

56

G b p s

Shielded

Choice of 5 mm or 7 mm lead style

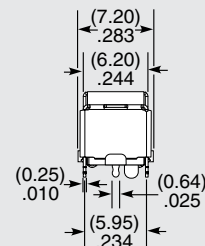
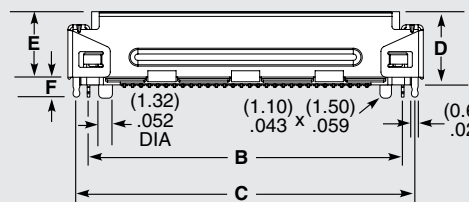
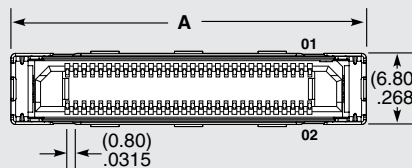
(1.50 mm) .059" NOMINAL WIPE

ERF8	NO. OF POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	DV	OTHER OPTION	TR
	-010, -020, -025, -030	Specify LEAD STYLE from chart	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin		-S = Shield (-05.0 style only)	-TR = Tape & Reel Packaging

NO. OF POSITIONS	A	B	C
-010	(18.0) .71	(14.00) .551	(16.36) .644
-020	(26.0) 1.02	(22.00) .866	(24.36) .959
-025	(30.0) 1.18	(26.00) 1.024	(28.36) 1.117
-030	(34.0) 1.34	(30.00) 1.181	(32.36) 1.274

LEAD STYLE	D	E
-05.0	(5.10) .201	(4.27) .168
-07.0	(7.00) .276	(6.25) .246

OPTION	F
-S	(1.63) .064
-EGPS	(1.17) .046



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.