

(0.80 mm) .0315"

ERF8-020-05.0-S-DV-TR

ERF8-060-05.0-L-DV-TR

ERF8-040-05.0-S-DV-TR

ERF8 SERIES

RUGGED HIGH-SPEED 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)

(0.12 mm) .005" max (040-060)*

(0.15 mm) .006" max (070-100)*

*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

- Mezzanine stack heights

APPLICATIONS

STANDARD	POS.	PART NOS.	SERIES
NEXUS5001™.org POWER.org™	10	ASP-148421-01	ERF8-DV
	11	ASP-137969-01	ERF8-DV
	17	ASP-137973-01	ERF8-DV
ARM/HSSTP	20	ASP-130367-01	ERF8-DV
NEXUS5001™.org POWER.org™	23	ASP-130368-01	ERF8-DV
	25	ASP-148422-01	ERF8-DV
	35	ASP-135029-01	ERF8-DV
	40	ASP-148424-01	ERF8-DV

Notes:

Patented

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

Board Mates:
ERM8

Cable Mates:
ERCD, ERDP



ERF8 LEAD STYLE	MATED HEIGHT*			
	-02.0	-05.0	-08.0	-09.0
-05.0	(7.00) .276	(10.00) .394	(13.00) .512	(14.00) .551
-07.0	(9.00) .354	(12.00) .472	(15.00) .591	(16.00) .629
-09.0	(11.00) .453	(14.00) .551	(17.00) .669	(18.00) .709

*Processing conditions will affect mated height.

ERF8 ■ NO. OF POSITIONS PER ROW

-005, -010, -011,
-013, -020, -025,
-030, -035 -040, -049,
-050, -060, -070, -075

-100
(Available with -05.0 lead style only)

LEAD STYLE

Specify LEAD STYLE from chart

LEAD STYLE	A
-05.0	(5.10) .200
-07.0	(7.00) .276
-09.0	(9.00) .354

PLATING OPTION

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

-S
= 30 μ "
(0.76 μ m)
Gold on contact,
Matte Tin on tail

DV

-L
= Latching
(Lead Style -05.0 only)
(Not available with
-EGP or -EGPS options)

-EGP
= Extended Guide Post
(Lead Style -07.0 only)
(Not available with
-L & -EGPS option)

-EGPS
= Extended Guide Post Shield
(Lead Style -07.0 only)
(Not available with
-L & -EGP option)
(-010, -020, -025, -030 only)

-K
= (6.00 mm) .236" DIA
Polyimide Film
Pick & Place Pad

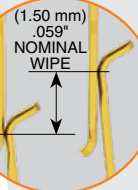
OTHER OPTION

TR

-TR
= Tape & Reel
Packaging
(Not available with 100 positions)

Robust Edge Rate®
contact improves
"Zippered"
unmating

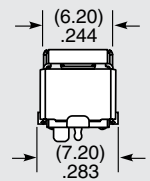
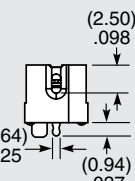
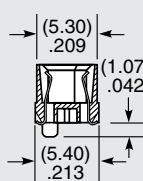
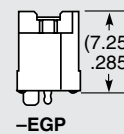
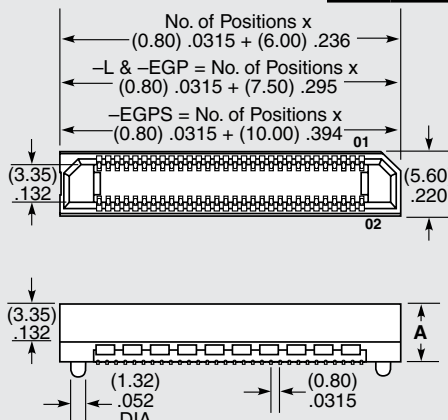
10 to 200 I/Os



POWER/SIGNAL APPLICATION



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



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.