





(0.80 mm) .0315"

ERM8-S SERIES

(1.50 mm)

.059" NOMINAL

WIPE

Shielded

RUGGED HIGH-SPEED SHIELDED HEA

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ERM8

Insulator Material: Black LCF

Terminal Material:

Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Current Rating: 2.2 A per per pin

(2 pins powered) (2 pins powered)
Operating Temp Range:
-55 °C to +125 °C
Voltage Rating:
225 VAC / 318 VDC

RoHS Compliant: Yes

PROCESSING

Lead-Free Solderable:

SMT Lead Coplanarity: (0.10 mm) .004" max (010-030)

RECOGNITIONS

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



POWER/SIGNAL APPLICATION



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

| NO. OF POSITIONS | С | D |
|---------------------|------------------|------------------|
| -10.0 | (14.00) .551 | (16.36) .644 |
| -20.0 | (22.00) .866 | (24.36) .959 |
| -25.0 | (26.00) 1.024 | (28.36) 1.117 |
| -30.0 | (30.00) 1.181 | (32.36) 1.274 |

Notes: Patented

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

Board Mates:

See "Mated Height" Chart (Note: ERF8-S does not mate with ERM8-EGPS)



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



MATED HEIGHT 12 mm 7 mm 9 mm 16 mm ERM8-02.0-S ERM8-02.0-S ERM8-05.0-EGPS ERM8-09.0-EGPS to ERF8-05.0-S to ERF8-07.0-EGPS to ERF8-07.0-EGPS to ERF8-07.0-EGPS

POSITIONS ERM8 **PER ROW**

LEAD STYLE **PLATING OPTION**

DV

OTHER OPTION

= Shield

style only)

-DSS

= Differential Pair

with Extended Guide

Post Shield

-05.0 & -09.0

lead style only

(-10 & -025

positions only)

(4.00 mm) .157" DIA Polyimide Film

Pick & Place Pad

(Not available in –02.0 lead style)

TR

–010, –020, –025, –030

| LEAD STYLE | Α | В |
|---------------|--------------|--------------|
| -05.0 | (9.87) .389 | (10.81) .425 |
| -09.0 | (13.87) .546 | (14.81) .583 |

-02.0 = 2 mm (-S only) -05.0= 5 mm (-EGPS &

> -09.0 = 9 mm (-EGPS & –DSS only)

No. of Positions x

(0.80) .0315 + (6.00) .236

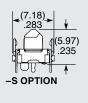
-EGPS = No. of Positions x

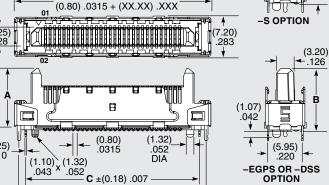
D

. DSS only)

= 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail

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





Due to technical progress, all designs, specifications and components are subject to change without notice WWW.SAMTEC.COM

= Pick & Place Pad

(-02.0 & -05.0 lead style only)

(-02.0 style only) = Tape & Reel –EGPS **Packaging** = Extended Guide Post Shield (-05.0 & -09.0 lead