



(2.54 mm) .100"

SSM-115-L-SH

SSM-120-S-DV

SSM-116-S-SV

SSM SERIES

TIGER CLAW™ SURFACE MOUNT SOCKET

Mates with:

TSW, MTSW, TST,
TSS, ZST, ZSS, DW,
EW, ZW, TSM, HMTSW,
HTSW, TSSH, BST,
HTSS, TLW, MTLW

SPECIFICATIONS

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

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ" (1.27 μm) Ni

Current Rating (SSM/TSW):

5.2 A per pin

(2 pins powered)

Voltage Rating:

405 VAC / 572 VDC

Operating Temp Range:

-55 °C to +125 °C with Gold

-55 °C to +105 °C with Tin

Insertion Depth:

SV/DV is (4.34 mm) .171" to

(7.24 mm) .285" or pass-through

from top; (5.56 mm) .219" plus

board thickness minimum from

bottom; SH/DH is (4.34 mm)

.171" to (6.35 mm) .250"

Normal Force:

125 grams (1.21 N) average

RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

Yes

-DH Coplanarity:

Less than 28 positions

(0.15 mm) .006" max*

More than 27 positions

(0.20 mm) .008" max*

-SH, -SV, -DV Coplanarity:

(0.15 mm) .006" max*

*(.004" stencil solution

may be available; contact

IPG@samtec.com)

RECOGNITIONS

For complete scope

of recognitions see

www.samtec.com/quality



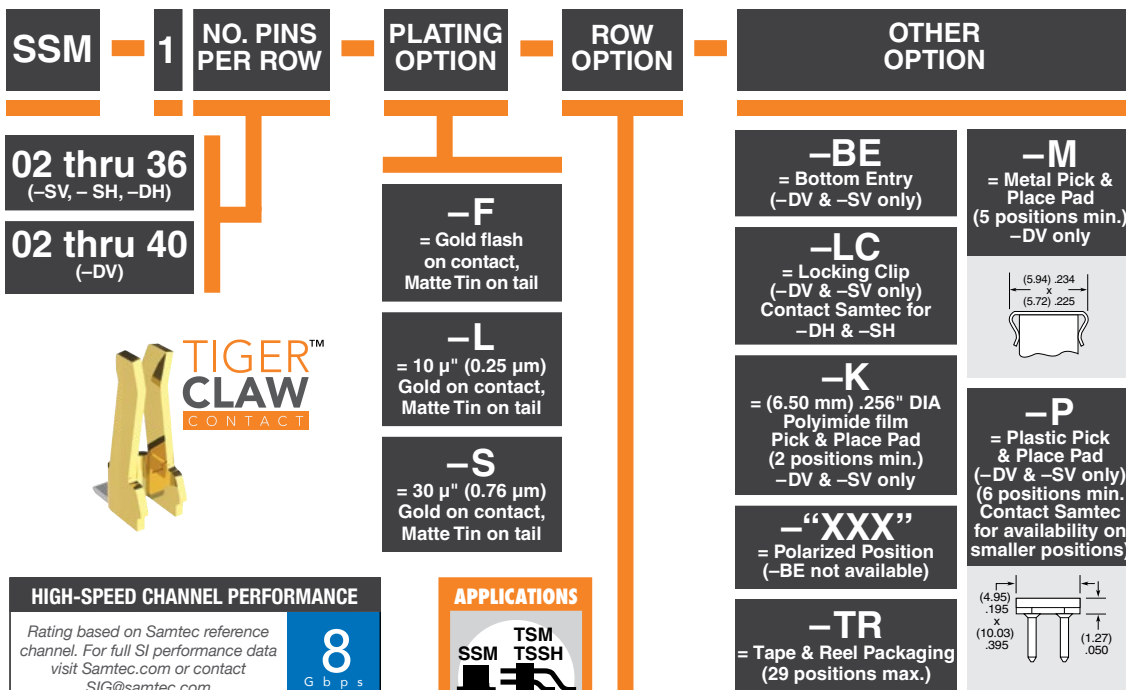
FILE NO. E111594

ALSO AVAILABLE
(MOQ Required)

- Alignment pin

Note:

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



HIGH-SPEED CHANNEL PERFORMANCE

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

8
Gbps

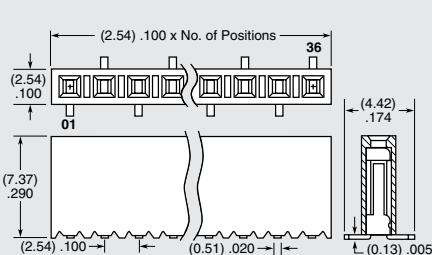
APPLICATIONS



HORIZONTAL

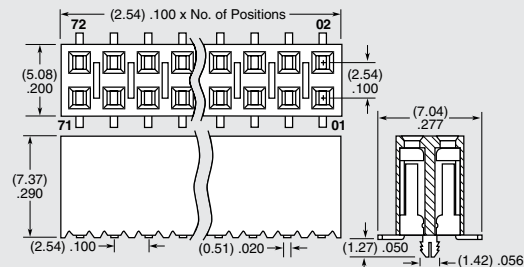
-SV

= Single Row Vertical Pin



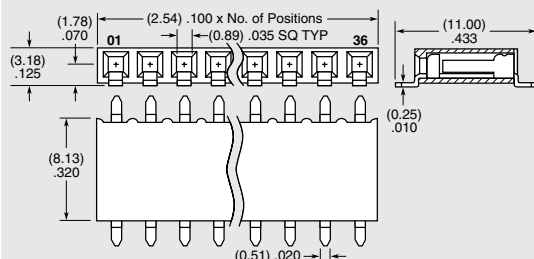
-DV

= Double Row Vertical Pin



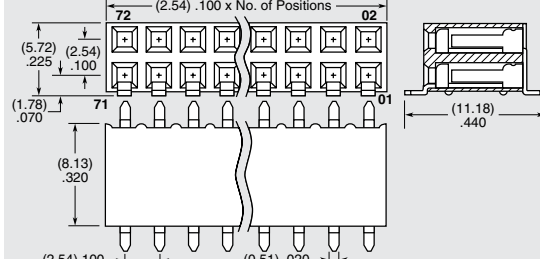
-SH

= Single Row Horizontal Pin



-DH

= Double Row Horizontal Pin



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.