

(2,54mm) .100"

SSM SERIES


ELPTM
 EXTENDED LIFE PRODUCT

 10 year Mixed Flowing Gas with 30μ" Gold
 2,500 cycles when mated with TSM

SSM-115-L-SH

SSM-120-S-DV

SSM-116-S-SV

SMT .025" SQ BOX 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

50μ" (1,27μm) Ni

Voltage Rating:

475 VAC (-SV/-DV mated

with TSW)

450 VAC (-SH/-DH mated

with TSM)

Operating Temp Range:

-55°C to +125°C with Gold

-55°C to +105°C with Tin

Contact Resistance:

10 mΩ max

Insertion Depth:

SV/DV is (4,34mm) .171" to

(7,24mm) .285" or pass-through

from top; (5,56mm) .219" plus

board thickness minimum from

bottom; SH/DH is (4,34mm)

.171" to (6,35mm) .250"

Insertion Force:

(Single contact only)

5oz (1,39N) average

Normal Force:

125 grams (1,21N) average

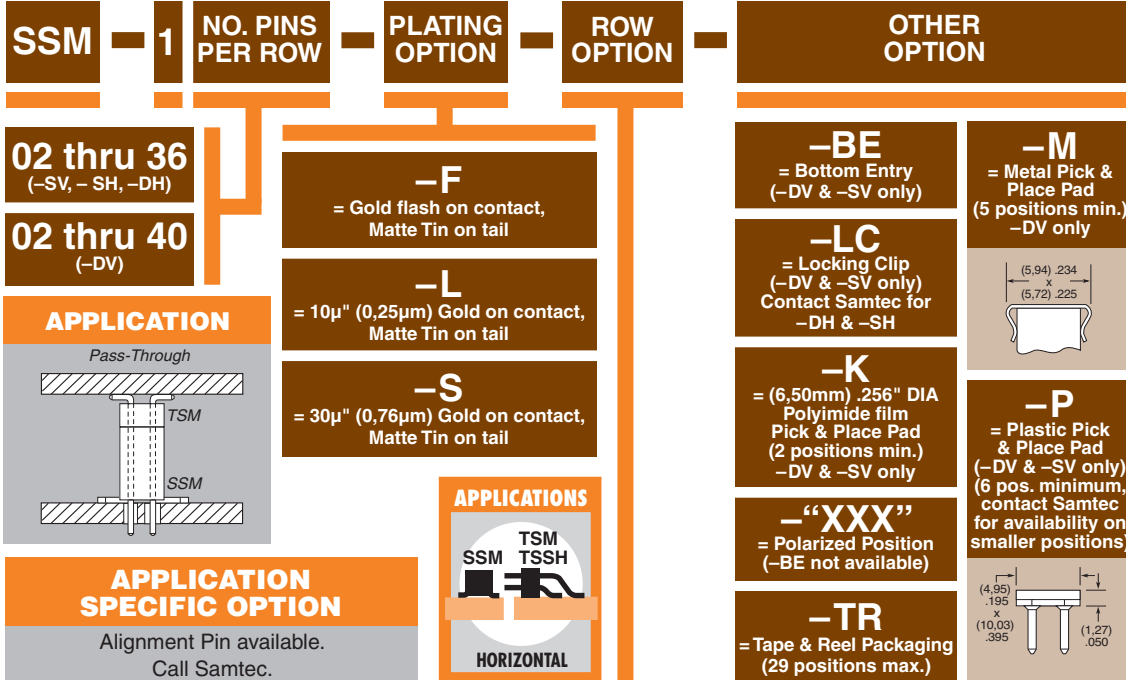
Withdrawal Force:

(Single contact only)

2oz (0,56N) average

RoHS Compliant:

Yes



CURRENT RATING	
AMBIENT TEMP	SSM mated with TSW
20°C	6.9A
40°C	6A
60°C	5.3A
95°C	3.5A
6 POSITIONS (2x3) POWERED	

Processing:

Lead-Free Solderable:

Yes

-DH Coplanarity:

Less than 28 positions

(0,15mm) .006" max

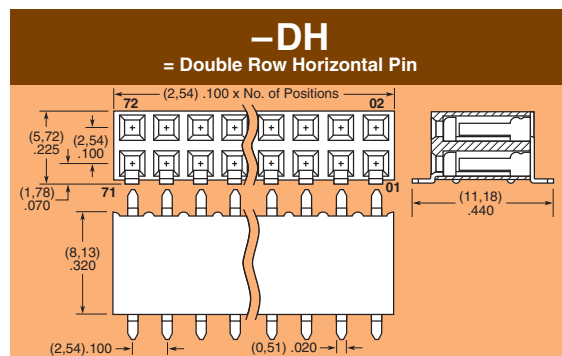
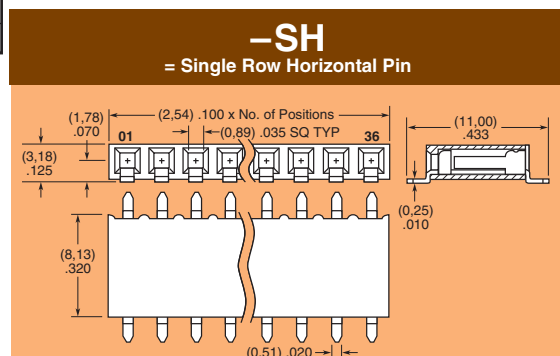
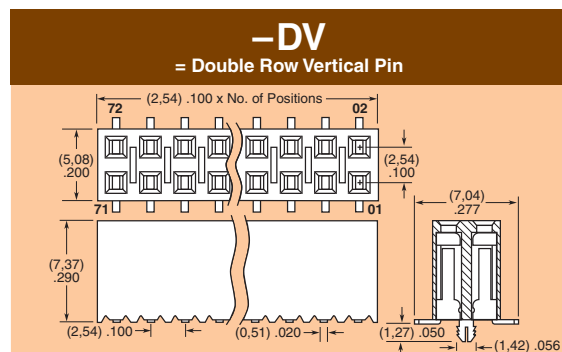
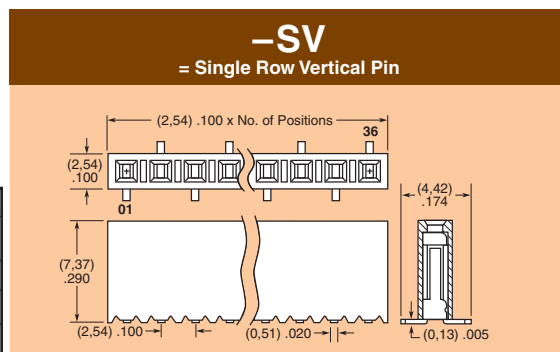
More than 27 positions

(0,20mm) .008" max

-SH, -SV, -DV Coplanarity:

(0,15mm) .006" max

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



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

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