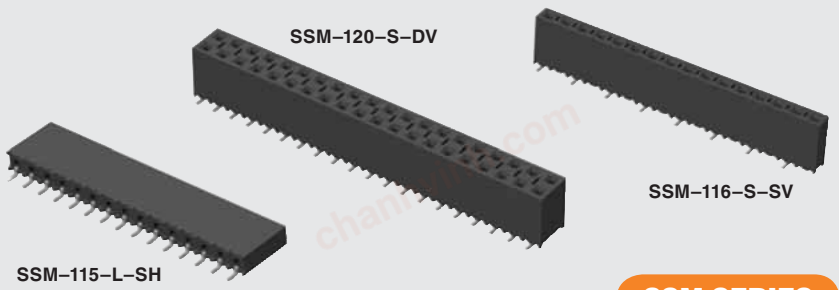
chanhvinh.com

F-215 (Rev 24AUG15)

samtec

E.L.P.™
EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µ" Gold
Call Samtec for maximum mated cycles



(2.54 mm) .100"

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
50µ" (1.27 µm) Ni
Current Rating (SSM/TSW):
5.2 A per pin
(1 pin powered per row)
Voltage Rating:
405 VAC / 572 VDC
Operating Temp Range:
-55°C to +125°C with Gold
-55°C to +105°C with Tin
Contact Resistance:
10 mΩ
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"
Insertion Force:
(Single contact only)
5 oz (1.39 N) average
Normal Force:
125 grams (1.21 N) average
Withdrawal Force:
(Single contact only)
2 oz (0.56 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

RECOGNITIONS

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

FILE NO. E111594
FILE NO: 090871_0_000

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

SSM – 1 – NO. PINS PER ROW – PLATING OPTION – ROW OPTION – OTHER OPTION

NO. PINS PER ROW
- 02 thru 36 (–SV, – SH, –DH)
- 02 thru 40 (–DV)

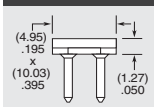
PLATING OPTION
- **–F** = Gold flash on contact, Matte Tin on tail
- **–L** = 10µ" (0.25 µm) Gold on contact, Matte Tin on tail
- **–S** = 30µ" (0.76 µm) Gold on contact, Matte Tin on tail



OTHER OPTION
- **–BE** = Bottom Entry (–DV & –SV only)
- **–LC** = Locking Clip (–DV & –SV only) Contact Samtec for –DH & –SH
- **–K** = (6.50 mm) .256" DIA Polyimide film Pick & Place Pad (2 positions min.) –DV & –SV only
- **–"XXX"** = Polarized Position (–BE not available)
- **–TR** = Tape & Reel Packaging (29 positions max.)
- **–M** = Metal Pick & Place Pad (5 positions min.) –DV only



- **–P** = Plastic Pick & Place Pad (–DV & –SV only) (6 pos. minimum, contact Samtec for availability on smaller positions)

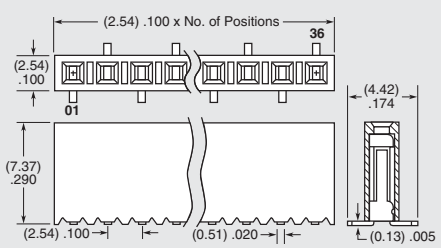


ALSO AVAILABLE
(MOQ Required)
- Alignment pin
Contact Samtec.

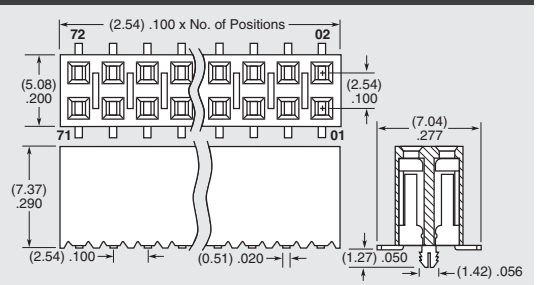
APPLICATIONS



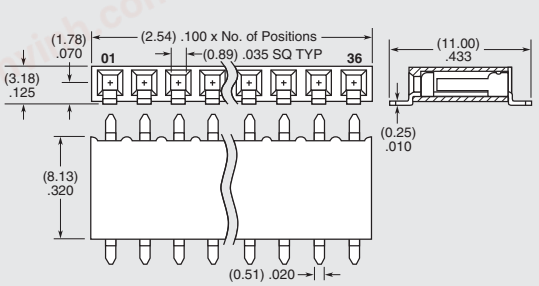
–SV = Single Row Vertical Pin



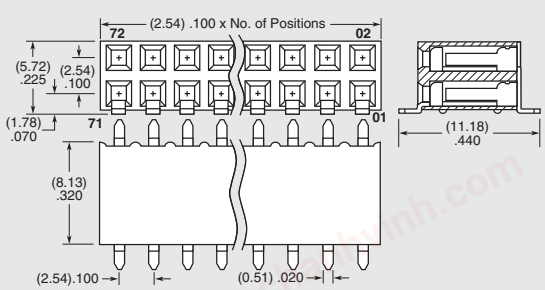
–DV = Double Row Vertical Pin



–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.