

ELEVATED SOCKETS ESW & ESQ SERIES

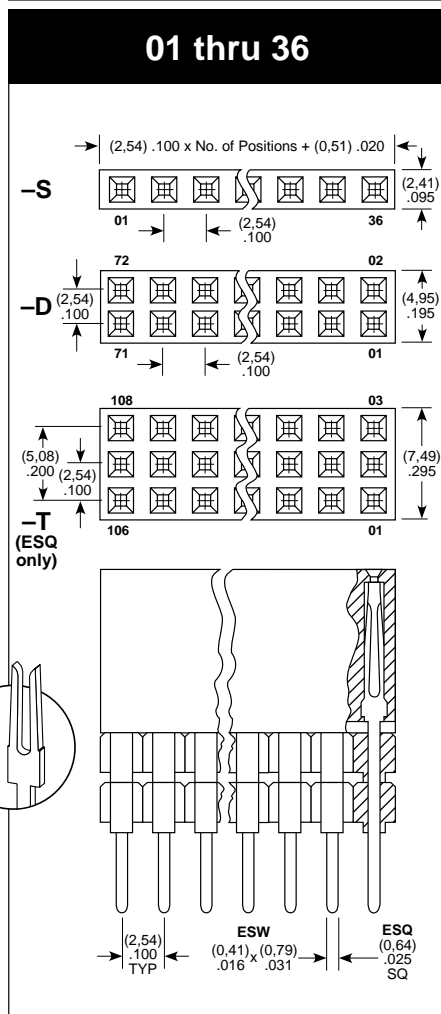
Mates with:
TSW, MTSW, EW,
MTLW, TSS, ZSS,
TSM, DW, ZW, HW

Specifications:
ESW, ESQ



Insulator Material:
Black Glass Filled Polyester
Contact Material:
Phosphor Bronze
Current Rating:
3A continuous
Voltage Rating:
550 VAC mated with
TSW or ESQ
Operating Temp Range:
-65°C to +125°C with Gold
-65°C to +105°C with Tin
Plating:
Au or Sn over
50µ" (1,27µm) Ni
Contact Resistance:
10 mΩ max
Insertion Depth:
(3,68mm) .145" to
(6,35mm) .250"
Insertion Force:
(-S plating)
Standard = 6oz (1,67N) avg
(0,64mm) .025" SQ pin);
ESW Low Insertion Force=
3oz (0,83N) avg
ESQ Low Insertion Force=
3.3oz (0,92N) avg
Normal Force:
Standard = 125 grams (4,4N)
Withdrawal Force:
(-S plating)
Standard = 5oz (1,39N) avg
(0,64mm) .025" SQ pin);
ESW Low Insertion Force=
2.6oz (0,72N) avg
ESQ Low Insertion Force=
2.9oz (0,81N) avg
Max Cycles:
100 with 10µ" (0,25µm) Au

TYPE STRIP	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OTHER OPTION
ESW = Solder tail						
ESQ = Square Tail						
				-G = 20µ" (0,51µm) Gold Contact, Gold Flash on Balance	-S = Single Row	-“XXX” = Polarized
				-T = 200µ" (5,08µm) Tin Contact and Tail (N/A w/LIF contact)	-D = Double Row	-LL = Locking Lead Two leads per strip crimped. N/A with single row 1 or 2 positions.
				-S = 30µ" (0,76µm) Gold on Contact area, 200µ" (5,08µm) Tin on Tail	-T = Triple Row (ESQ only)	-H-MW = Metal Washers on Solder Tails (32 pins per row maximum) -S & -D only. (ESQ Series only) (7,62mm) .300" max tail for Tin



Specify LEAD STYLE from chart below.

STANDARD INSERTION FORCE	LOW INSERTION FORCE	A	B
- 12	- 37	(2,29) .090	(11,05) .435
- 13	- 38	(7,36) .290	
- 23	- 48	(4,83) .190	(13,59) .535
- 33	- 58	(2,29) .090	(16,13) .635
- 14	- 39	(12,19) .480	(11,05) .435
- 24	- 49	(9,65) .380	(13,59) .535
- 34	- 59	(7,11) .280	(16,13) .635
- 44	- 69	(4,57) .180	(18,67) .735

APPLICATIONS

Self Nesting Sockets (ESQ Series)

PC/104 J1/P1 "Stackthrough" Connectors	
Standard Insertion Force	ESQ-132-14-G-D
Low Insertion Force	ESQ-132-39-G-D
PC/104 J1 "Non-Stackthrough" Connectors	
Standard Insertion Force	ESQ-132-12-G-D
Low Insertion Force	ESQ-132-37-G-D
PC/104 J2/P2 "Stackthrough" Connectors	
Standard Insertion Force	ESQ-120-14-G-D
Low Insertion Force	ESQ-120-39-G-D

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Metal Washers!



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.