

# ELEVATED SOCKETS ESW & ESQ SERIES

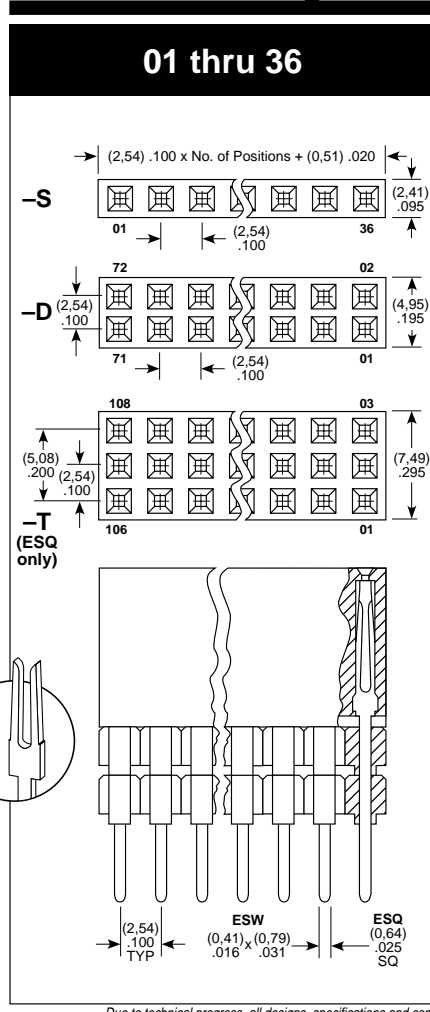
Mates with:  
TSW, MTSW, EW,  
MTLW, TSS, ZSS,  
TSM, DW, ZW, HW

Specifications:  
ESW, ESQ



**Insulator Material:**  
Black Glass Filled Polyester  
**Contact Material:**  
Phosphor Bronze  
**Current Rating:**  
3A continuous  
**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
<b>ESW</b> = Solder tail				<b>-G</b> = 20µ" (0,51µm) Gold Contact, Gold Flash on Balance	<b>-S</b> = Single Row	<b>-"XXX"</b> = Polarized
<b>ESQ</b> = Square Tail				<b>-T</b> = 200µ" (5,08µm) Tin Contact and Tail (N/A w/LIF contact)	<b>-D</b> = Double Row	<b>-LL</b> = Locking Lead  Two leads per strip crimped. N/A with single row 1 or 2 positions.
				<b>-S</b> = 30µ" (0,76µm) Gold on Contact area, 200µ" (5,08µm) Tin on Tail	<b>-T</b> = Triple Row (ESQ only)	<b>-H-MW</b> = 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



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.

### 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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