
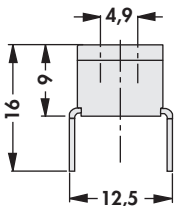
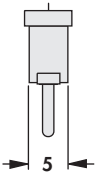


A

Sockets for crystal oscillators

B

C


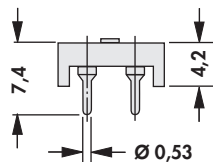
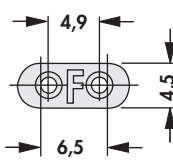
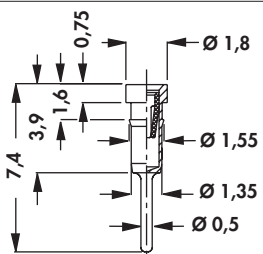

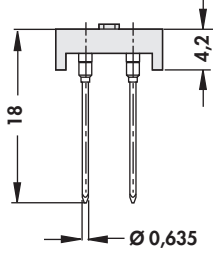
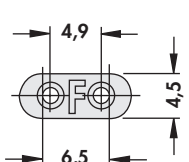
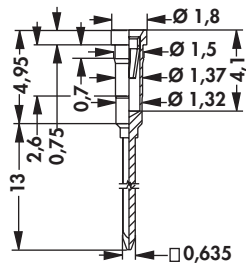
art. no.			
QS 25 GS			
surface of contact:	silver-plated		

Precision sockets for crystal oscillators in case HC 18

D

E

F

art. no.				
PQ 18 ...				
art. no.				
PQ 18 W ...				
please indicate:	... surface of contact G = gold-plated Z = tin-plated			
contact spring:	gold-plated			

G

H

Insulators for crystal oscillators



* = equates self retaining

I

K

L

M

		*
art. no.	case design	dim. [mm]
ISQ 04	HC-18/U/ HC-49/U/ HC-43/U	C
ISQ 05		D
ISQ 06		-
ISQ 07		*
ISQ 08		2.4
	HC-50/U/ HC-42/U/ HC-25/U	-
dielectric strength:	9 kV	
name of foil:	MYLAR	
heat resistance:	250°C	
material thickness:	0.127 mm	

N



A

Technical data: Sockets

B

C

D

E

F

G

H

I

K

L

M

N

	DIL ... SMD M, DIL...SMD SK5	MIC ...	PLCC ..., PLCC ... SMD	PF ..., PQ 18 ...
contact material	CuZn-alloy		CuSn alloy	CuZn-alloy
surface contact / contact sleeve	Ni+ $\geq 0.2\mu\text{m}$ Au/ Ni +4... $6\mu\text{m}$ Sn		Ni+2... $4\mu\text{m}$ Sn	Ni+ $\geq 0.2\mu\text{m}$ Au/ Ni +4... $6\mu\text{m}$ Sn
inner contact spring material	CuBe-alloy			CuBe-alloy
inner contact spring surface	Ni+0,25 μm Au			Ni+0,75 μm Au
plugability for circuit points	0,22x0,25mm... 0,4x0,55mm/ $\varnothing 0,4$...0,56mm			0,22x0,25mm... 0,4x0,55mm/ $\varnothing 0,4$...0,56mm
insert depth	2.5...3.6mm			2.5...3.6mm
insertion / drawing force	4 lamellas contact/ 1.8 N/1.4 N			4 lamellas contact/ 1.8 N/1.4 N
shock resistance	50 g			50 g
vibration resistance max.	15 g			15 g
volume resistance	10 m Ω		>30 m Ω	10 m Ω
contact resistance				4 m Ω
contact resistance after 1000 cycles				7 m Ω
capacity between two adjacent con- tacts	0,4 pF			0,4 pF
nominal current	1.5 A		1 A	1.5 A
nominal voltage	150 V DC			60 V DC
test voltage	1000 V		500 V	
insulating body material	PPS, GF	polyacetal/ non-con- ductive	PPS, GF	PA 4.6. GF
temperature range	-40°C... +200°C/ (260°C/10 s)		-40°C... +105°C/ (260°C/10 s)	-40°C... +163°C/ (260°C/10 s)
class of inflammability	UL 94 V-0	UL 94 V-0 (at thickness $\geq 3\text{mm}$), UL 94 V-1	UL 94 V-0	
specific insulation resistance	>10 ¹² $\Omega\cdot\text{m}$		>10 ⁸ $\Omega\cdot\text{m}$	>10 ⁷ $\Omega\cdot\text{m}$
	TF 3 2 (TO 3)	QS 25 GS	LB ... G	CB ...
contact material	CuSn-alloy, CuSn 6; Ni 1-2 μm , Au 0.2 μm	CuSn alloy	CuZn-alloy	
surface contact / contact sleeve		Ni+3 μm Ag	Ni+ $\geq 0.2\mu\text{m}$ Au	Ni+ $\geq 0.2\mu\text{m}$ Au/ Ni +4... $6\mu\text{m}$ Sn
volume resistance		10 m Ω		
contact resistance	<10 m Ω			
contact resistance after 1000 cycles		7 m Ω		
capacity between two adjacent con- tacts	1 pF			
nominal current		2.5 A		
nominal voltage		125 V DC		
test voltage	1650 V	500 V		
insulating body material	stanyl PA 4.6	PA, GF		
temperature range	-65°C ... +290°C	-40°C ... +180°C		
class of inflammability	UL 94 V-1	UL 94 V-0		
specific insulation resistance	>10 ⁷ $\Omega\cdot\text{m}$			
current rating	15 A max.			

