QIT - Series

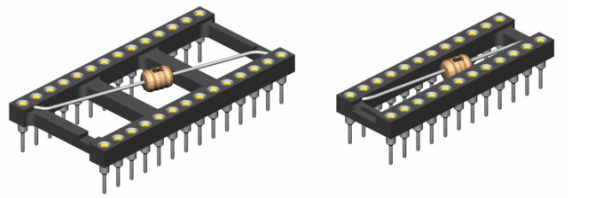
IC Sockets with Capacitors

2,54mm pitch

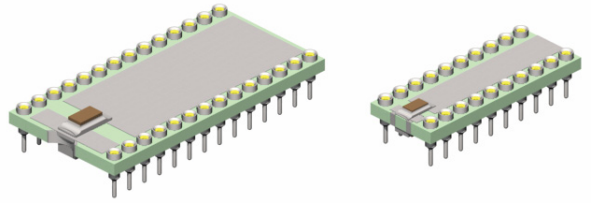
RoHS 2002/95/EC compliant

E-tec Interconnect

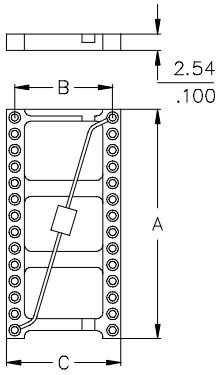
Wired capacitor sockets



SMD capacitor sockets

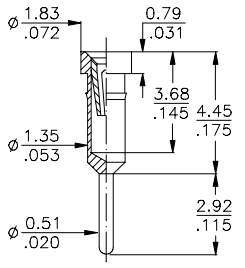


wired capacitor

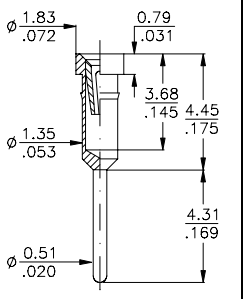


Pin	"A"	"B"	"C"	Ordering code
8	10,16/.400	7,62 .300	10.16 .400	QIT-308-W001-95
14	17,78/.700			QIT-314-W001-95
16	20,32/.800			QIT-316-W001-95
18	22,86/.900			QIT-318-W001-95
20	25,40/1.00			QIT-320-W001-95
24	30,48/1.20			QIT-324-W001-95
28	35,56/1.40			QIT-328-W001-95
24	30,48/1.20	15,24 .600	17,78 .700	QIT-624-W001-95
28	35,56/1.40			QIT-628-W001-95
32	40,64/1.60			QIT-632-W001-95
40	50,80/2.00			QIT-640-W001-95

Terminals

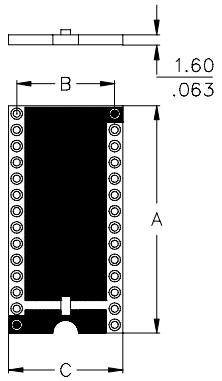


001 Standard terminal



008

SMD capacitor



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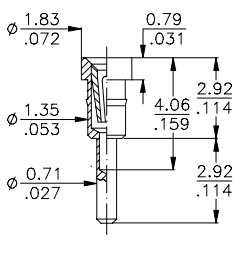
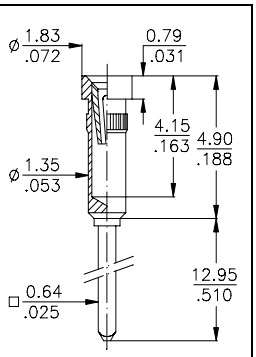


047 Low profile terminal



003 3-level w/w

other terminals & pin-outs on request

Socket Specifications

Mechanical data

Insertion force	1,80 N (avg)
Extraction force (standard)	0,90 N (avg)
Contact life	> 100 cycles
Solder ability	exceeds MIL-STD-202 Methode 208
Water absorption during 24hrs at 20°C	0,05%
Contact security:	
-Vibration (MIL-STD-202 Method 204 B)	20g
-Shock (MIL-STD-202 Method 202 C)	150g

Material

Insulator	*(RoHS compliant)*	high temp plastic UL 94 V-0 (wired version); epoxy FR 4 for SMD
Terminal	*(RoHS compliant)*	CuZn
Contact	*(RoHS compliant)*	BeCu

Electrical data

Contact resistance at 1A	4,3 mΩ typ.
Current rating	1A max.
Contact capacitance at 1MHz	2 pF max.
Insulation resistance at 500V DC (MIL-STD-1344 Methode 3003)	5 ×10⁹ Ω min.
Breakdown voltage at 60 Hz (MIL-STD-1344 Methode 3001.1)	1 KV min.
Contact resistance after 1000 ins./ext. cycles	≤7 mΩ
Operating temperature	- 25°C to +85°C
Pitch	2,54 mm (.100")

Capacitor Specifications

General data

Ceramic material	Z5U
Voltage	50 V

Available capacitor values

Standard type	100nF (0.1 µF)
Alternatives:	10nF (0.01 µF)

How to order

QIT - x xx - X xxx - 95 (/x)

DIP spacing
in inch
see table dim. "B"

Nbr of contacts
see table

Capacitor style
W = wired
S = SMD

Terminal styles
see drawings

Plating
- 95 = tin/gold *(tin leadfree)*
others on request

Capacitor Options
(if other than 100nF)
1 = 10 nF (0,01 µF)