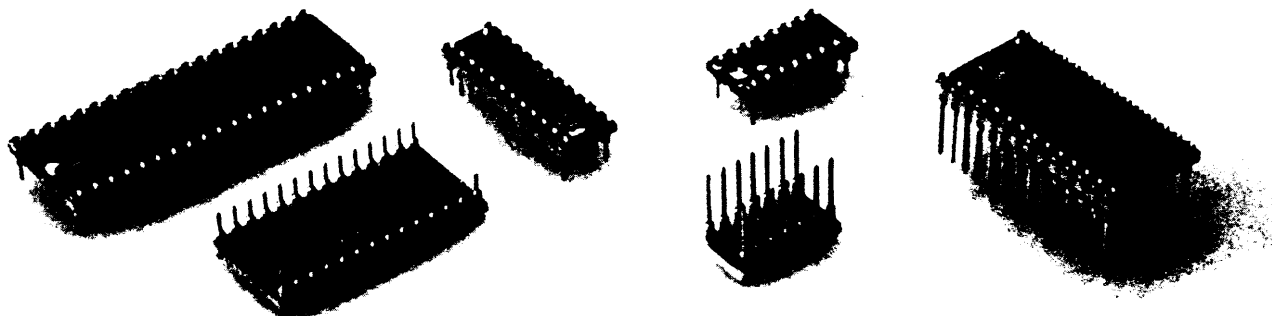




INTEGRAL SURFACE MOUNTED CAPACITOR.

Order Code 178-211 to 218

Farnell
Technical
Data
Service



MECHANICAL DATA

INSERTION FORCE	(Standard)	1.80 N (Avg.)
WITHDRAWAL FORCE		0.90 N (Avg.)
SOLDERABILITY		exceed MIL-STD-202 Method 208
CONTACT LIFE		>400 Cycles
WATER ABSORPTION 24h 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	Copper clad glass epoxy FR -4 laminate UL 94 V - 0
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OPERATING TEMPERATURE

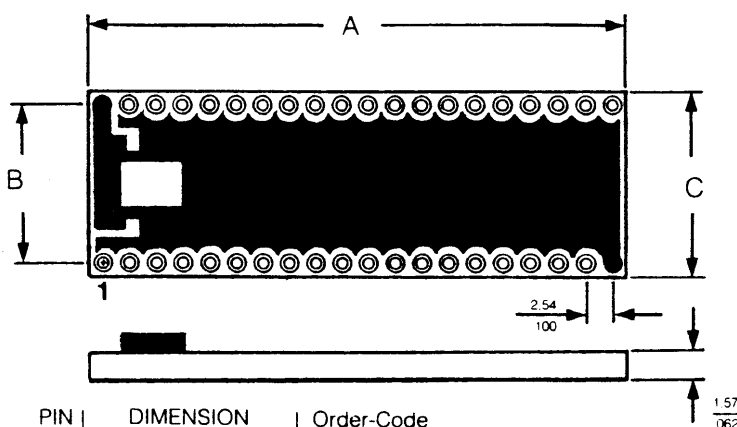
-65° C to +125° C

SPACING BETWEEN PINS

2.54 mm (.100")

Capacitor value

- 1 : 0,10 microfarad is standard
- 2 : 0,01 microfarad
- 3 : 0,33 microfarad
- (others on request)



PIN	DIMENSION			Order-Code Part 1	PIN	DIMENSION			Order-Code Part 1
	"A"	"B"	"C"			"A"	"B"	"C"	
6	7.62 300	7.62 300	10.16 400	44306 -	22	27.94 1.100	15.24 600	17.78 700	44422 -
8	10.16 400			44308 -	24	30.48 1.200			44424 -
10	12.27 500			44310 -	24	30.48 1.200			44624 -
14	17.78 700			44314 -	28	35.56 1.400			44628 -
16	20.32 800			44316 -	30	38.10 1.500			44630 -
18	22.86 900			44318 -	32	40.64 1.600			44632 -
20	25.40 1.000			44320 -	36	45.72 1.800			44636 -
22	27.94 1.100			44322 -	40	50.80 2.000			44640 -
24	30.48 1.200			44324 -	48	60.96 2.400			44648 -
28	35.56 1.400			44328 -					

Farnell Electronic Components Limited

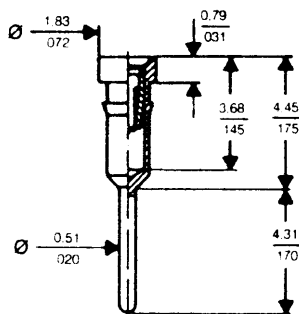
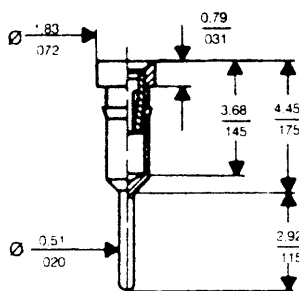
Sales (0532) 636311, Technical (0532) 799123, Dateline (0532) 310160, Fax (0532) 633411, Telex 55147



Order Code

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Technical
Data
Service**

- ✓ DIP socket with Integral surface mounted capacitor. This high reliability "Silencer" socket provides excellent decoupling characteristics by incorporating a large area of ground-plane across the entire socket.
- ✓ 0.01 μ F, 0.10 μ F and 0.33 μ F capacitor values available, other values on request.
- ✓ End-to-end and side-to-side stackable.
- ✓ Available with a variety of solder tail and wire-wrap terminals.
- ✓ Also available with ultra low profile terminals (-47 and -83)



ELECTRICAL DATA

CONTACT RESISTANCE (MIL-STD-202 Method 307)	4.3 m Ohm typ
CURRENT RATING	1A
CONTACT CAPACITANCE at 1 MHz	2 pF max.
INSULATION RESISTANCE at 500V DC (MIL-STD-1344 Method 3003)	5 x 10 ⁹ Ohm min.
BREAKDOWN VOLTAGE at 60 Hz (MIL-STD-202 Method 301)	1 KV min.
CONTACT RESISTANCE AFTER 1000 Ins./Extr. CYCLES	≤7 m Ohm

MATERIAL

TERMINAL	Brass QQ-B-626
CONTACT	Be Cu QQ-C-533

-01

Plating ▶	Order-Code Part 2
Au/Sn	01 - 445
Au/Au	01 - 446
Sn/Sn	01 - 461

-08

Plating ▶	Order-Code Part 2
Au/Sn	08 - 445
Au/Au	08 - 446
Sn/Sn	08 - 461

For contacts with

- * reduced force
-xxA
- * extra high force
-xxB

FEC Part No.

178-211
178-212
178-213
178-214
178-215
178-216
178-217
178-218

Scott Part No.

44314-01-445-1
44316-01-445-1
44320-01-445-1
44324-01-445-1
44624-01-445-1
44628-01-445-1
44632-01-445-1
44640-01-445-1

-02

Plating ▶	Order-Code Part 2
Au/Sn	02 - 445
Au/Au	02 - 446
Sn/Sn	02 - 461

-03

Plating ▶	Order-Code Part 2
Au/Sn	03 - 445
Au/Au	03 - 446
Sn/Sn	03 - 461

-47

Plating ▶	Order-Code Part 2
Au/Sn	47 - 445
Au/Au	47 - 446
Sn/Sn	47 - 461

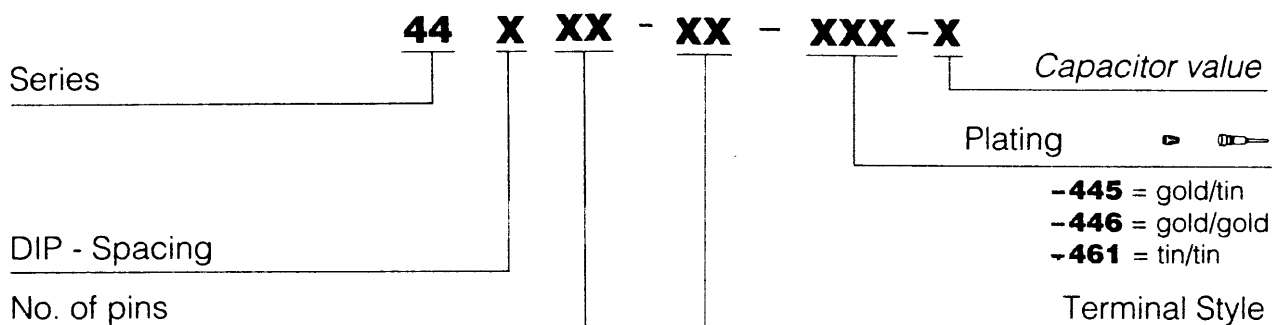
-83

Plating ▶	Order-Code Part 2
Au/Sn	83 - 445
Au/Au	83 - 446
Sn/Sn	83 - 461

ORDERING CODE STRUCTURE

Part 1

Part 2



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