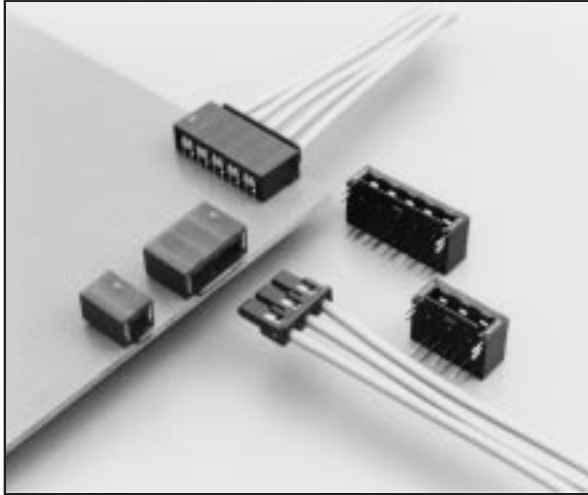


# KD10 SERIES CONNECTORS

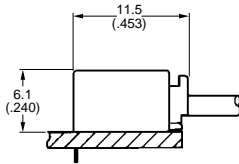
## 2.0mm (.079") Contact Spacing, Board-to-Multi Coaxial Connectors



### FEATURES

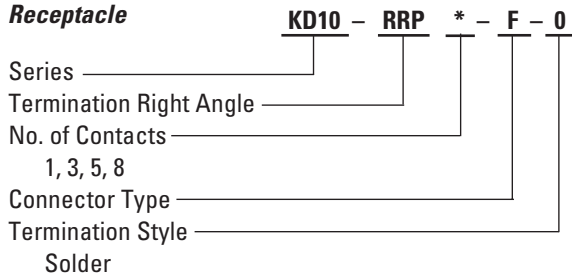
- Low profile 6.1mm (.240") for minimized mounting space
- Characteristic impedance of 50 ohms and 75 ohms
- Kinked hold-down allows connector to be fixed on board during soldering

Connector Profile (Ref.)



### ORDERING INFORMATION

#### Receptacle



The KD10 Series is a small size multi coaxial connector suitable for middle frequency range. Two versions are available: 50 ohms and 75 ohms. The 50 ohms is ideally used for digital information equipment, telecommunication, and calculation equipment, while 75 ohms is used in video movie, radio and multimedia equipment.

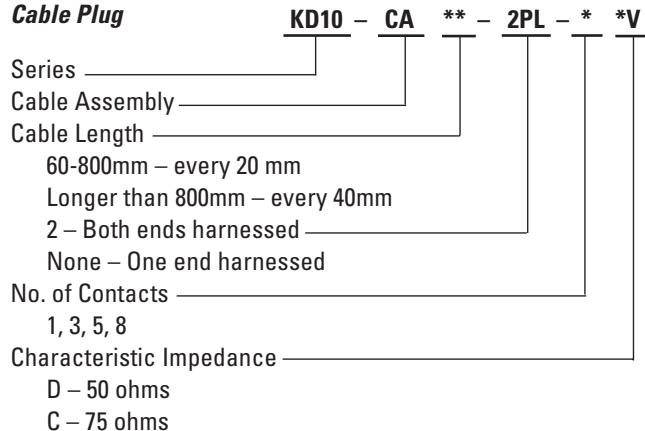
### GENERAL SPECIFICATIONS

Number of Contacts	1, 3, 5 and 8
Characteristic Impedance	50 ohms/75 ohms
Frequency	DC 300 MHz
VSWR	1.3 max. DC 300 MHz
Insertion Loss	0.3 dB/DC 300 MHz
Current Rating	250mAmps
Dielectric Withstanding Voltage	250 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min. (with 10mm cable)
Contact Resistance	Initial (Center: 80 megohms max. Outer 30 megohms max.)
Insertion Force	One pin: 5N max. Three pins: 10N max. Five pins: 15N max. Eight pins: 20N max.
Withdrawal Force	One pin: 2N max. Three pins: 5N max. Five pins: 7N max. Eight pins: 11N max.
Operating Temperature	-55°C to +85°C
Insertion/Withdrawal	50 times

### MATERIALS AND FINISHES

Description	Materials/Finishes
Insulator	Glass-filled (6-6 Nylon)
Center Contact	Copper alloy, Gold over Nickel Plating
Outer Contact	Copper alloy, Gold over Nickel Plating
Hold-down	Copper alloy, Tin Plating

#### Cable Plug



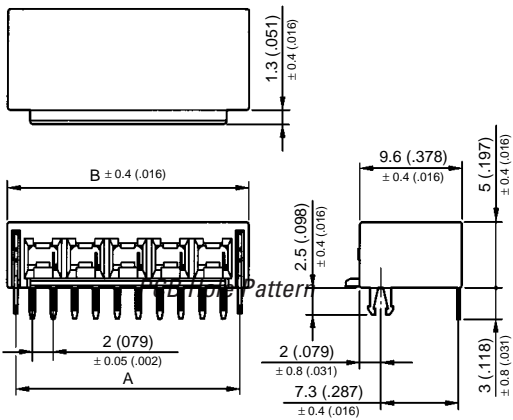
\* Cable assemblies only available

Dimensions and specifications subject to change without notice.

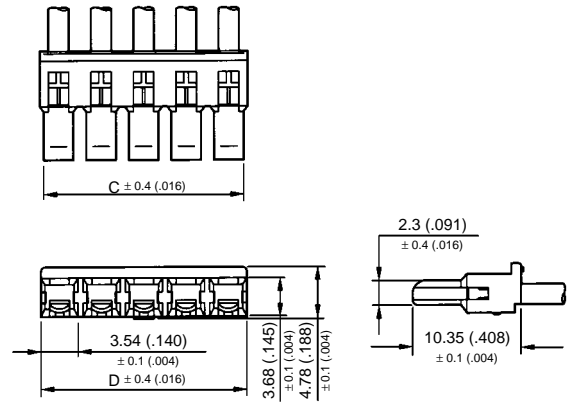
# KD10 SERIES CONNECTORS

## 2.0mm (.079") Contact Spacing, Board-to-Multi Coaxial Connectors

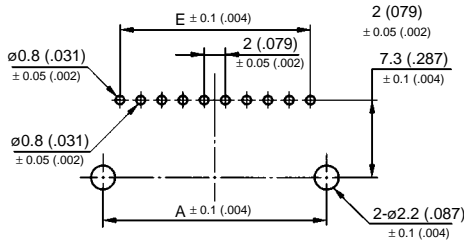
### RECEPTACLE-RIGHT ANGLE



### PLUG (WITH CABLE)



### PCB Hole Pattern (Ref.)



Note 1: Plug side contacts are different for 50Ω & 75Ω.  
Receptacle side is the same.

Note 2: Applicable Cable  
50Ω: 0.8D-QEV  
75Ω: 8CV-E41447

No. of Contacts	Part Number				A	B ± 0.4 (± .016)	C ± 0.4 (± .016)	D	E
	Receptacle	Plug with Cable							
		50Ω	75Ω						
1	KD10-RRP-F-0	KD10-CA**-*PL-8DV	KD10-CA**-*PL-8CV	5.15 ( .203)	6.7 ( .264)	2.8 ( .110)	3.54 ( .139)	2 ( .079)	
3	KD10-RRP3-F-0	KD10-CA**-*PL3-8DV	KD10-CA**-*PL3-8CV	13.15 ( .518)	14.7 ( .579)	10.8 ( .425)	11.54 ( .454)	10 ( .393)	
5	KD10-RRP5-F-0	KD10-CA**-*PL5-8DV	KD10-CA**-*PL5-8CV	21.15 ( .833)	22.7 ( .894)	18.8 ( .740)	19.54 ( .769)	18 ( .709)	
8	KD10-RRP8-F-0	KD10-CA**-*PL8-8DV	KD10-CA**-*PL8-8CV	33.15 (1.310)	34.7 (1.367)	30.8 (1.213)	31.54 (1.242)	30 (1.181)	

\*\* (1): Cable assemblies include connector length of 10mm (.039").

If you require 60-800mm (2.36-31.5") cable, you should select cable length every 20mm (.79").

For 840mm (33.1") and above, cable length is every 40mm (1.57").

\* (2): Blank-harness on one side, 2-harness will be on both sides.

Dimensions in mm (inches).

