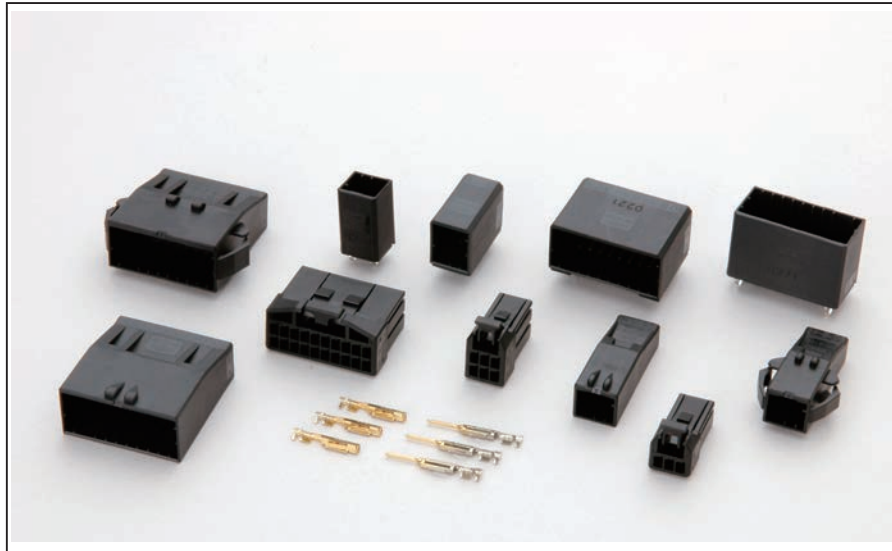


2.5mm Pitch Wire to Wire / Wire to Board Connector

RoHS2

DK-2000 Series

Fujikura



Safety
Standard
UL, CUL, TÜV

OUTLINE

DK-2000 series is 2.5mm pitch cable to cable / cable to board connector for industrial signal relay. Contacts are crimp type for easy termination. (PCB mounting type is DIP termination.) Locking mechanism enables to ensure full mating audibly.

APPLICATIONS

- Robotics, Servo Motor
- Medical, Communication, Office automation

SPECIFICATIONS

Rated Voltage	250V AC (r.m.s.)
Dielectric Withstanding Voltage	1500V AC (r.m.s.) / 1 minute
Insulation Resistance	1000M Ω (min.) at 500V DC
Contact Resistance	10m Ω (max.)
Operating Temperature	-55°C~ 105°C
Contact Pitch	2.5mm

Rated Current		Wire Size(AWG#)		
		#18	#24	#28
Number of Contact	3	5A	3.3A	2.3A
	6	5A	2.7A	2A
	8	4.5A	2.5A	1.8A
	12	4A	2.3A	1.5A
	20	3.2A	2A	1.2A

MATERIAL / FINISH



Item	Material / Finish
Contact	Copper Alloy / Au over Ni Plating, Sn-Ag Plating(PCB Mounting Type)
Housing	PBT Resin (UL94V-0) / Black

SAFETY STANDARD



Accreditation Organization	Applicable Standards	Certification Number
TUV	DIN VDE 0627 < EN61984 >	R50053652
UL	UL 1977	E72124

© Specifications and/or dimensions in this catalog are subject to change without notice.
Your checking the latest specifications with our drawings would be highly appreciated.

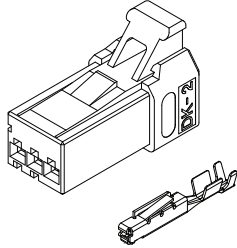
250317

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DK-2100S (Single Row Type)

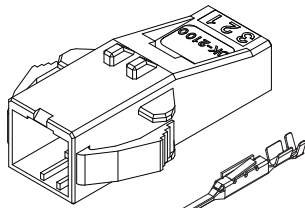
Housing Type

Receptacle Housing



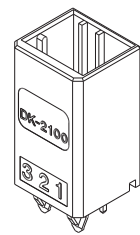
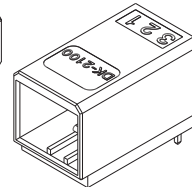
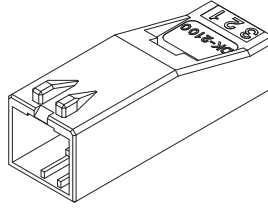
Receptacle Contact

Tab Housing



Tab Contact

Tab Header(PCB Mounting Type)



Panel Mounting Type

Free Hanging Type

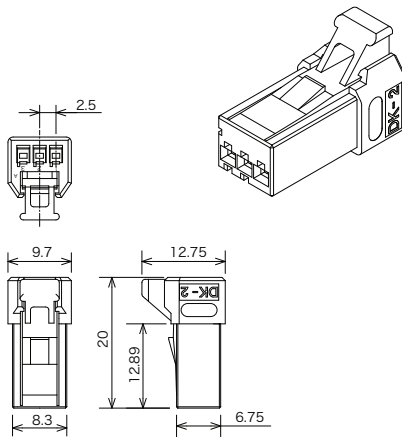
Horizontal Type

Vertical Type

Number of Contact	Receptacle Housing	Tab Housing		Tab Header(PCB Mounting Type)	
		Panel Mounting Type	Free Hanging Type	Horizontal Type	Vertical Type
3	DK-2100S-03R	DK-2100S-03P	DK-2100S-03F	DK-2100S-03H-FA	DK-2100S-03V-FA

Receptacle Housing

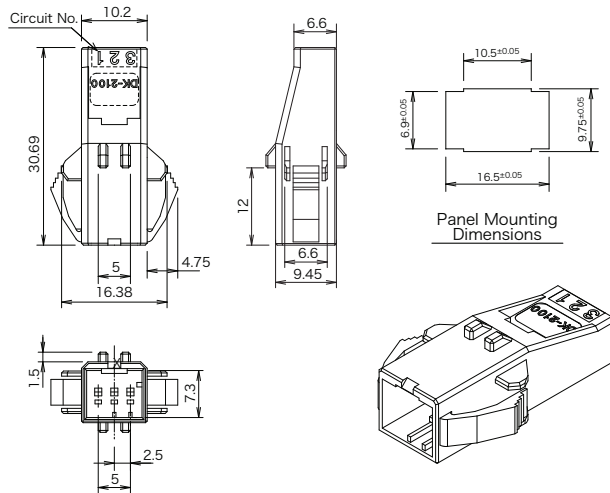
P/N : DK-2100S-03R



Tab Housing

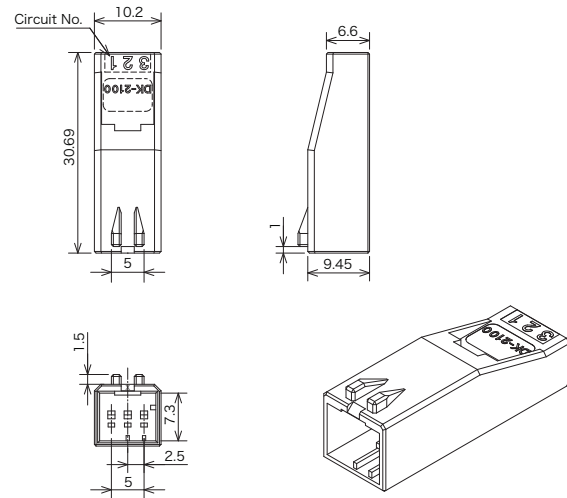
Panel Mounting Type

P/N : DK-2100S-03P



Free Hanging Type

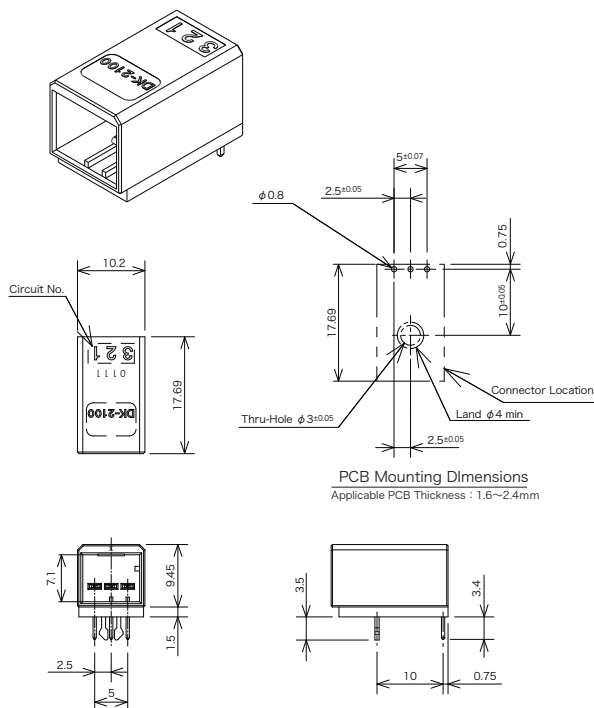
P/N : DK-2100S-03F



Tab Header (PCB Mounting Type)

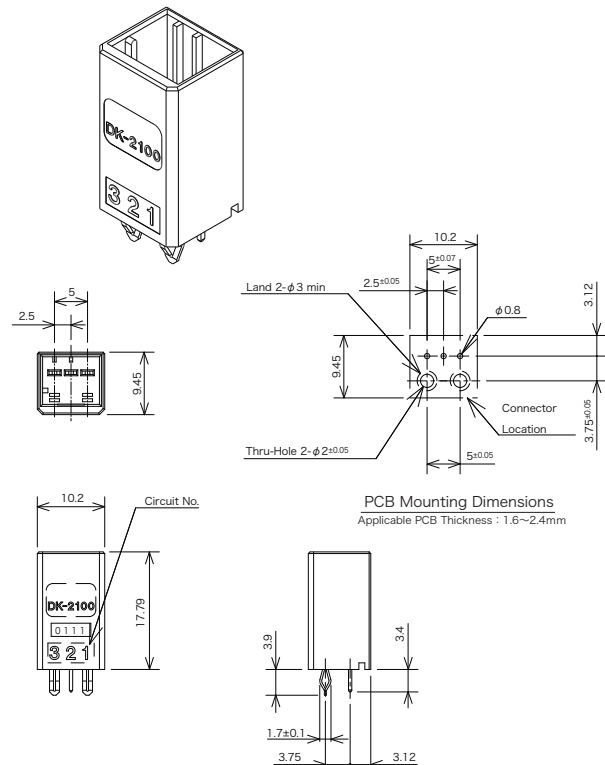
Horizontal Type

P/N : DK-2100S-03H-FA



Vertical Type

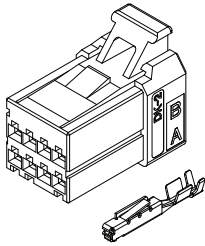
P/N : DK-2100S-03V-FA



DK-2100D (Double Row Type)

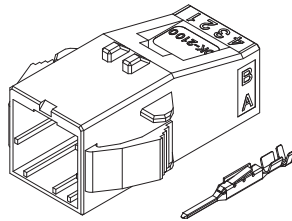
Housing Type

Receptacle Housing



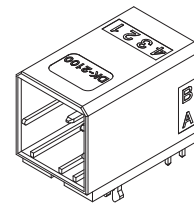
Receptacle Contact

Tab Housing

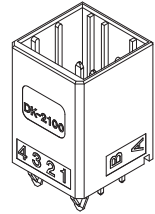


Tab Contact

Tab Header (PCB Mounting Type)



Horizontal Type



Vertical Type

Panel Mounting Type

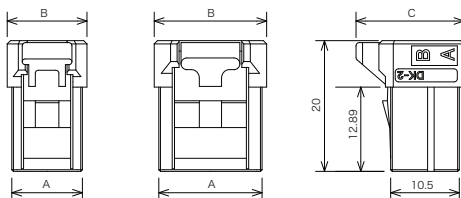
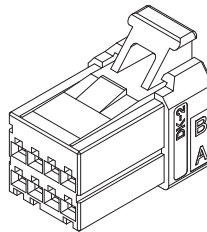
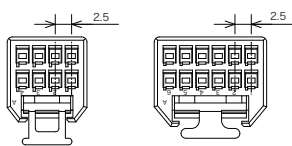
Free Hanging Type

Number of Contact	Receptacle Housing	Tab Housing		Tab Header (PCB Mounting Type)	
		Panel Mounting Type	Free Hanging Type	Horizontal Type	Vertical Type
6	DK-2100D-06R	DK-2100D-06P	DK-2100D-06F	DK-2100D-06H-FA	DK-2100D-06V-FA
8	DK-2100D-08R	DK-2100D-08P	DK-2100D-08F	DK-2100D-08H-FA	DK-2100D-08V-FA
12	DK-2100D-12R	DK-2100D-12P	DK-2100D-12F	DK-2100D-12H-FA	DK-2100D-12V-FA
20	DK-2100D-20R	DK-2100D-20P	DK-2100D-20F	DK-2100D-20H-FA	DK-2100D-20V-FA

Receptacle Housing

P/N : DK-2100D- R

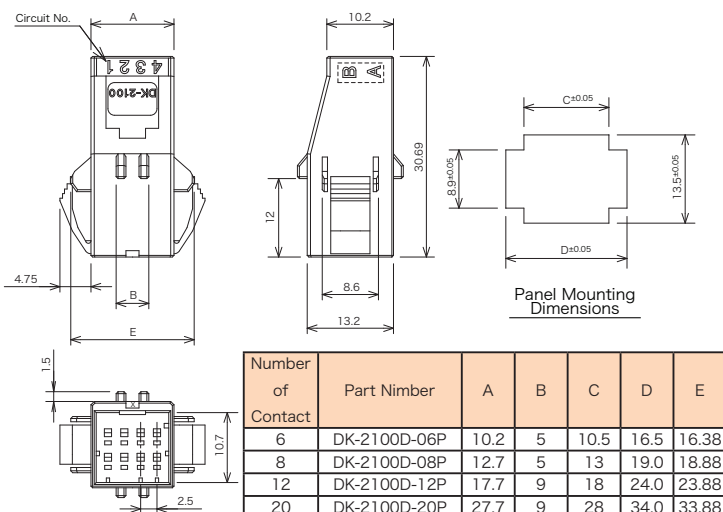
Number of Contact



Number of Contact	Part Number	A	B	C
6	DK-2100D-06R	8.3	9.7	16.5
8	DK-2100D-08R	10.8	12.2	16.5
12	DK-2100D-12R	15.8	17.2	15.5
20	DK-2100D-20R	25.8	27.2	15.5

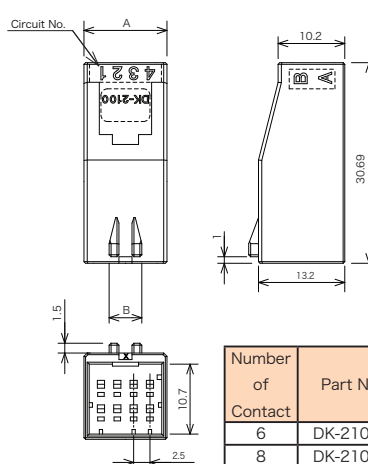
Panel Mounting Type

Number of Contact



Number of Contact	Part Number	A	B	C	D	E
6	DK-2100D-06P	10.2	5	10.5	16.5	16.38
8	DK-2100D-08P	12.7	5	13	19.0	18.88
12	DK-2100D-12P	17.7	9	18	24.0	23.88
20	DK-2100D-20P	27.7	9	28	34.0	33.88

Number of Contact

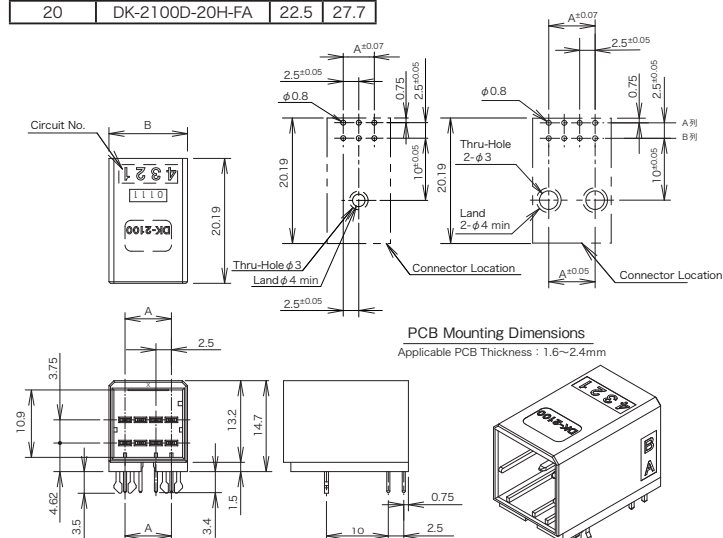


Number of Contact	Part Number	A	B
6	DK-2100D-06F	10.2	5
8	DK-2100D-08F	12.7	5
12	DK-2100D-12F	17.7	7
20	DK-2100D-20F	27.7	7

Horizontal Type

Number of Contact	Part Number	A	B
6	DK-2100D-06H-FA	5	10.0
8	DK-2100D-08H-FA	7.5	12.7
12	DK-2100D-12H-FA	12.5	17.7
20	DK-2100D-20H-FA	22.5	27.7

Number of Contact

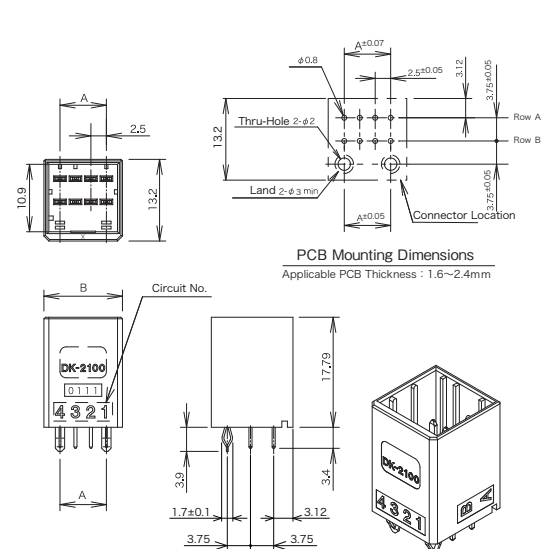


Vertical Type

B

Number of Contact	Part Number	A	B
6	DK-2100D-06V-FA	5	10.2
8	DK-2100D-08V-FA	7.5	12.7
12	DK-2100D-12V-FA	12.5	17.7
20	DK-2100D-20V-FA	22.5	27.7

Number of Contact



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▶ Contact

DK-2 Contact

■ Contact

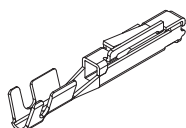
Wire Size		Insulation OD (mm)	Contact Size	Package	Part Number		Quantity
AWG	mm ²				Receptacle Contact	Tab Contact	
28	0.08	0.88~1.5	S	Reel	DK-2RECSST1-6000	DK-2TABSST1-6000	6,000
26	0.12			Bag	DK-2RECSLP1-100	DK-2TABSLP1-100	100
24	0.20						
22	0.30	1.11~1.87	M	Reel	DK-2RECMST1-6000	DK-2TABMST1-6000	6,000
20	0.50			Bag	DK-2RECMLP1-100	DK-2TABMLP1-100	100
18	0.85						

P/N DK-2RECSST □ -6000

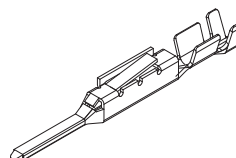
①

① Contact Plating

1 : Au(0.38 μm) min.



■ Receptacle Contact



■ Tab Contact

■ Contact Extracting Tool

P/N : 357J-23041

※ Contact extracting tool can be extract the contacts from the housing when re-termination

■ Crimping Tools

Contact Part Number	Applicable Wire Size		Insulation OD (mm)	Wire Range Mark	Tool Part Number (※)	
	AWG	mm ²			Crimping Tool	Applicator
DK-2TABSLP1-100	24 ~ 28	0.2 ~ 0.8	0.88 ~ 1.5	S	357J-22733	
DK-2RECSLP1-100						
DK-2TABSST1-6000						AP-A52790T (Crimper)
DK-2RECSST1-6000						
DK-2TABMLP1-100	18 ~ 22	0.3 ~ 0.85	1.11 ~ 1.87	M	357J-22734	
DK-2RECMLP1-100						
DK-2TABMST1-6000						AP-A52789T (Crimper)
DK-2RECMST1-6000						

※ It is necessary to adjust the crimping machine body and applicator for a fee.