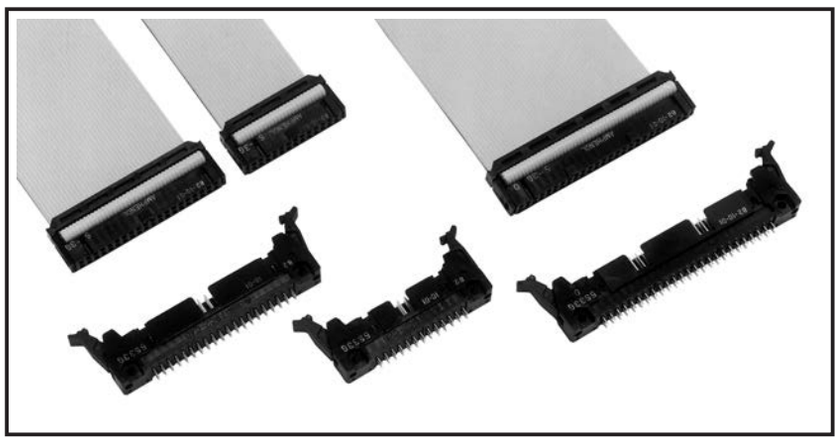
RoHS2

2.54mm Pitch Board to Cable Connector

FRC5 Series

Fujikura



Conforming Standard
MIL-DTL-83503

FEATURE

- UL Approved (File No. E72124)
- Conform to MIL-DTL-83503

SPECIFICATIONS

Rated Voltage	250V AC (r.m.s.)
Rated Current	1A / Contact
Insulation Resistance	1000 MΩ min. at 500V DC
Contact Resistance	15 mΩ max.
Dielectric Withstanding Voltage	500V AC (r.m.s) / 1 minute
Operating Temperature	-55˚C～ +85˚C
Applicable Cable	AWG28 (Stranded Cable / Solid Cable) AWG30 (Solid Cable)

MATERIAL/FINISH

RoHS Compliant

Socket

Item	Material / Finish
Housing	PBT Resin(UL94V-0) / Black
Cover	PBT Resin(UL94V-0) / Black
Contact	Copper Alloy / Au over Ni Plating
Strain Relief	PBT Resin (UL94V-0) / Black

Header

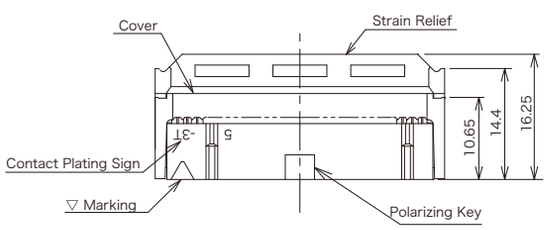
Item	Material / Finish
Housing	PBT Resin (UL94V-0) / Black
Contact	Copper Alloy / Au over Ni Plating
Lock Lever	PBT Resin (UL94V-0) / Black
Spring Pin	Stainless Steel

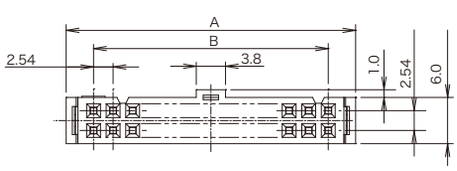
Unit : mm

Socket Connector

FRC5-A026-3T0S-FA

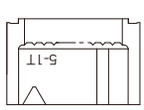
- Cover Style
  - 0 : Open-end
  - A : Closed-end
  - Note) Closed-end cover for 64 contacts are not available
- Number of Contact
  - 10, 14, 16, 20, 26, 30, 34, 40, 50, 60,64
- Contact Plating
  - 1 : Au (0.8 μ m) over Ni Plating
  - 3 : Au (Flash) over Ni Plating
- Plating (Termination Area)
  - T : Sn-Ag Plating
- Polarizing Key
  - 0 : 10 ・・・・・・・・・・・・・・・・ No Key
  - 14, 16, 20, 26, 30, 34, 40 ・・・・ 1 Key
  - 50, 60, 64 ・・・・・・・・・・・ 2 Keys (H=22.86mm)
  - A : 50, 60, 64 ・・・・・・・・・・ 1 Key
  - C : 60, 64 ・・・・・・・・・・・・ 2 Keys (H=27.94mm)
  - D : 10 ・・・・・・・・・・・・・・ 1 Key
- Strain Relief
  - N : without Strain Relief
  - S : with Strain Relief
- FA : Lead Free



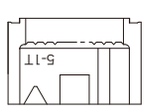


FRC5-Ax26～Ax40－xxxx-FA
FRC5-Ax50～Ax64－xxAx-FA

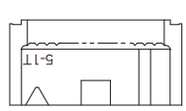
Part Number	Number of Contact	A	B
FRC5-AX10-XXXX-FA	10	17.27	10.16
FRC5-AX14-XXXX-FA	14	22.35	15.24
FRC5-AX16-XXXX-FA	16	24.89	17.78
FRC5-AX20-XXXX-FA	20	29.97	22.86
FRC5-AX26-XXXX-FA	26	37.59	30.48
FRC5-AX30-XXXX-FA	30	42.67	35.56
FRC5-AX34-XXXX-FA	34	47.75	40.64
FRC5-AX40-XXXX-FA	40	55.37	48.26
FRC5-AX50-XXXX-FA	50	68.07	60.96
FRC5-AX60-XXXX-FA	60	80.77	73.66
FRC5-AX64-XXXX-FA	64	85.85	78.74



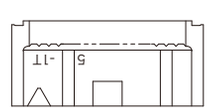
FRC5-Ax10-xx0x-FA



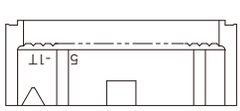
FRC5-Ax10-xxDx-FA



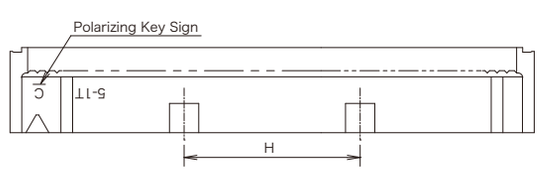
FRC5-Ax14-xx0x-FA



FRC5-Ax16-xx0x-FA



FRC5-Ax20-xx0x-FA



FRC5-Ax50～Ax64-xx0x-FA
FRC5-Ax60-xxCx-xxCx-FA

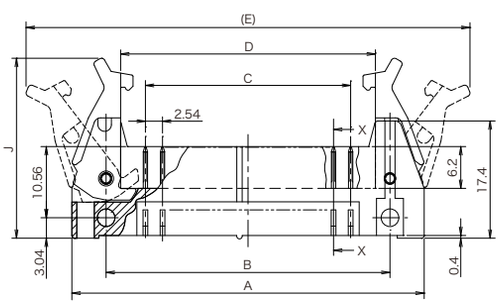
◎ Specifications and/or dimenssions in this catalogue are subject to change without notice.
Your catalogue checking the latest speifications with our drawings would be highly appreciated.

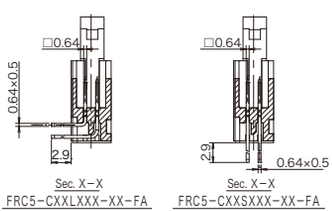
Unit : mm

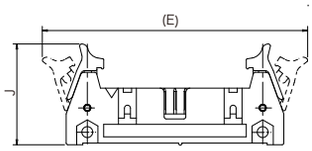
Header Connector

FRC5-C26L51T-0L-FA

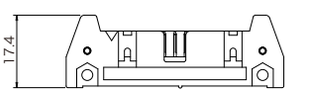
- Number of Contact
  10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64
- Contact Style
  L : Right Angle
  S : Straight
- Contact Tail Length
  5 : 2.9mm
- Contact Plating
  1 : Au(0.8 μ) over Ni Plating
  3 : Au(Flash) over Ni Plating
- Plating Termination Area)
  T : Sn-Ag Plating
- FA : Lead Free
- Lock Lever
  L : Long Lock
  S : Short Lock
- Polarizing Key
  0 : 10 ・・・・・・・・・・・・・・・・ No Key
  14, 16, 20, 26, 30, 34, 40 ・・・ 1 Key
  50, 60, 64 ・・・・・・・・・・・・ 2 Keys
  (H=22.86mm)
  A : 50, 60, 64 ・・・・・・・・・・・・ 1 Key
  C : 60, 64 ・・・・・・・・・・・・・・ 2 Key
  (H=27.94mm)
  D : 10 ・・・・・・・・・・・・・・・・ 1 Key



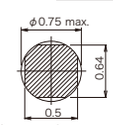




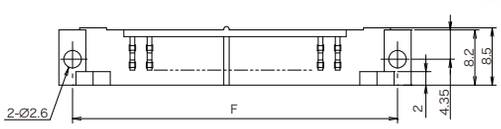
Header with Short Lock

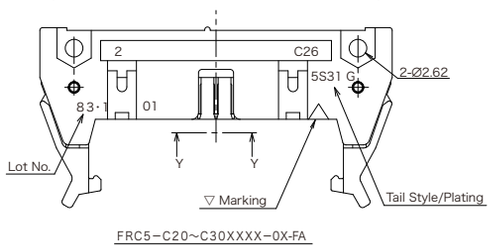


Header without Lock Lever

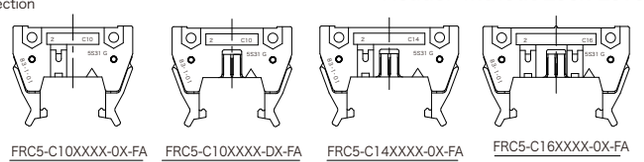


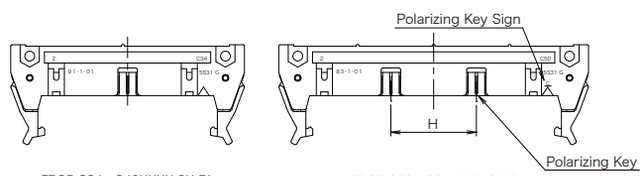
Contact Section





FRC5–C20~C30XXXX–0X–FA





Part Number	Number of Contact	A	B	C	D	F	Long Lock		Short Lock	
							E	J	E	J
FRC5-C10XXXX-XX-FA	10	32.00	21.84	10.16	17.52	27.94	45.6	26.7	42.4	24.3
FRC5-C14XXXX-XX-FA	14	37.08	26.92	15.24	22.60	33.02	50.7	26.7	47.5	24.3
FRC5-C16XXXX-XX-FA	16	39.62	29.46	17.78	25.14	35.56	53.2	26.7	50.0	24.3
FRC5-C20XXXX-XX-FA	20	44.70	34.54	22.86	30.22	40.64	58.3	26.7	55.1	24.3
FRC5-C26XXXX-XX-FA	26	52.32	42.16	30.48	37.84	48.26	65.9	26.7	62.7	24.3
FRC5-C30XXXX-XX-FA	30	57.40	47.24	35.56	42.92	53.34	71.0	26.7	67.8	24.3
FRC5-C34XXXX-XX-FA	34	62.48	52.32	40.64	48.00	58.42	76.1	26.7	72.9	24.3
FRC5-C40XXXX-XX-FA	40	70.10	59.94	48.26	55.62	66.04	83.7	26.7	80.5	24.3
FRC5-C50XXXX-XX-FA	50	82.80	72.64	60.96	68.32	78.74	96.4	26.7	93.2	24.3
FRC5-C60XXXX-XX-FA	60	95.50	85.34	73.66	81.02	91.44	109.1	26.7	105.9	24.3
FRC5-C64XXXX-XX-FA	64	100.58	90.42	78.74	86.10	96.52	114.2	26.7	111.0	24.3

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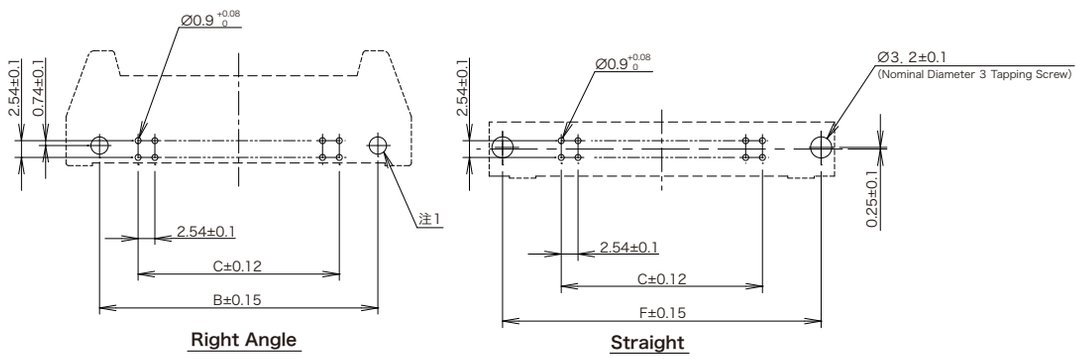
Unit : mm

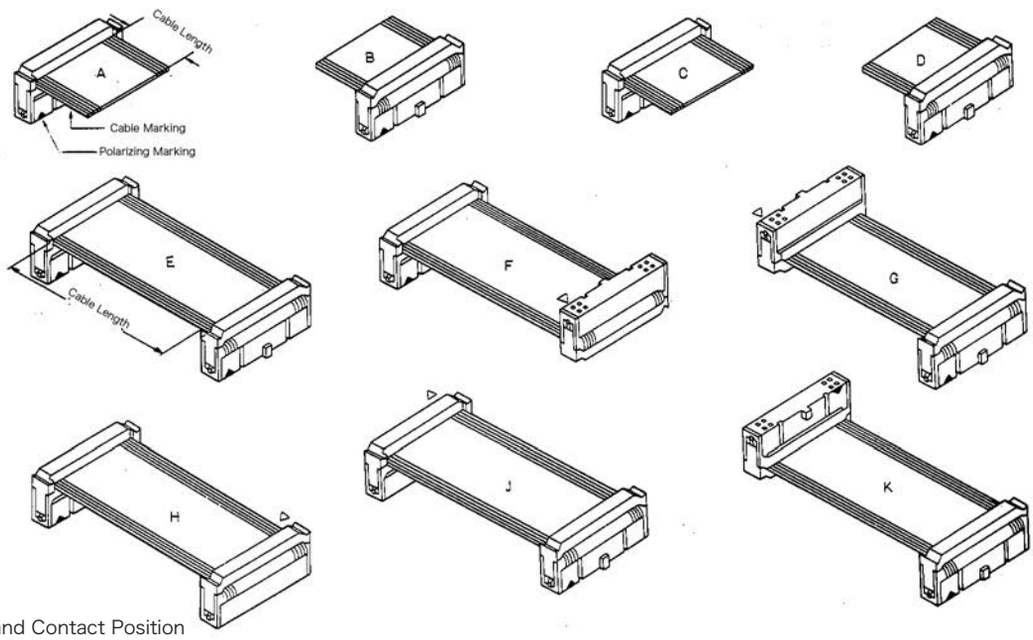
Header Connector

Recommended PCB Mounting Dimensions
(Soldering Side)

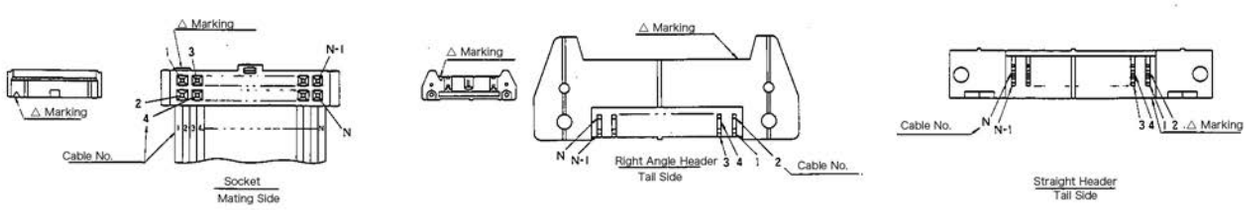


※1 When using M2.6 screw, the hole diameter should be Ø2.8.
When using nominal diameter 3 tapping screw, the hole diameter should be Ø3.2.

Cable Assembly Configurations



Cable No. and Contact Position



Assembly Tool

- Cable Cutting Tool : 357J-4256
- Termination Tool : 357J-4674D (Press)
  : 357J-4664N (Attachment)

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