

Low Insertion Force (LIF) Connector

FEATURES

- Connection system with integrated mechanical assist lever
- Lever operation not to be affected by the wire routing direction due to lever location
- Connector can be easily pre-set into mating side
- Lever assist allows for higher circuit count connectors to be used, reducing number of mating operations

BENEFITS

- Connector mating force reduction : 40 ~ 70%
- Connector mating force (lever operating force) : 75 N max.
- Space : Approximately 35% reduction (including lever track)
- Fewer connections required improves quality and productivity

SPECIFICATIONS

Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40° C ~ 100° C (120°C max temp.) (USCAR Class II)
Voltage Drop		10mΩ <max (Term./Term.) (Crimp-To-Crimp)
Isolation resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)

Pole	Polarity	Color / Description	Male Part #	Female Part #
15	A	Black 9x2.8, 6x6.3	-	7283-672-30
15	B	Natural 9x2.8, 6x6.3	-	7283-6373
26	A	Light Grey 22x1.5, 2x2.8, 2x6.3	-	7283-6436-40
26	B	Blue 22x1.5, 2x2.8, 2x6.3	-	7283-6437-90
26	C	Green 22x1.5, 2x2.8, 2x6.3	-	7283-6438-60
26	D	Black 22x1.5, 2x2.8, 2x6.3	7282-6376-30	7283-6376-30



Terminals

Description		Part Number	Plating	Applicable Wire Size		
				Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	1.5mm	7114-4100-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4101-02/-08	Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	2.8mm	7114-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7114-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7114-4112-02	Sn	1.5 ~ 2.5	14	2.0
	6.3mm	7114-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7114-4121-02	Sn	1.5 ~ 2.5	14	2.0
		7114-4122-02	Sn	4.0	12	3.0
	Female Terminal	1.5mm	7116-4100-02/-08	Sn/Au	0.35 ~ 0.5	22 ~ 20
7116-4101-02/-08			Sn/Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
2.8mm		7116-4110-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
		7116-4111-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
		7116-4112-02	Sn	1.5 ~ 2.5	14	2.0
6.3mm		7116-4120-02	Sn	0.5 ~ 1.0	20 ~ 16	0.5 ~ 1.25
		7116-4121-02	Sn	1.5 ~ 2.5	14	2.0
		7116-4122-02	Sn	4.0	12	3.0

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