

2019

YUEQING KINKONG ELECTRIC CO., LTD

AMPSUPERSEAL CONNECTOR 1.0



PRODUCT PROFILE

Ampsuperseal Connector 1.0mm

THE SUPERSEAL 1.0 MM CONNECTORS ARE DESIGNED TO MEET THE INCREASING NEED FOR DEPENDABLE PRINTED CIRCUIT BOARD APPLICATIONS IN HARSH ENVIRONMENTS. THE SUPERSEAL HEADERS ARE AVAILABLE WITH STRAIGHT OR RIGHT-ANGLE PINS. VARIOUS LOCKING LATCH OPTIONS AND KEYING CONFIGURATIONS ARE AVAILABLE.

PERFORMANCE

Current: Up to 15 amps

Temperature: Operating at temperatures -40°C to $+125^{\circ}\text{C}$

Durability: After cap housing is connected, the plug housing is mated and then 78.4 N force is applied in a rocking motion. 25 test cycles.

Insulation Resistance: 100 megohms minimum. Test between adjacent contacts and between contact and earth with insulation resistance meter of 500 volts DC.

Dielectric Withstanding Voltage: Insulation does not breakdown at 1000 volts AC or 1600 volts DC for duration of 1 minute between contacts and between contact and earth.

Voltage: 250 volts AC, DC

ADVANTAGES

- Compact system minimizes packaging requirements
- Sealing reliability proven under harsh conditions
- Designed for ease of manual harness assembly, engine mounting and under hood environments



APPLICATION FIELDS

Ampsuperseal Connector 1.0mm



Powertrain Systems



Safety&Security Systems



Convenience



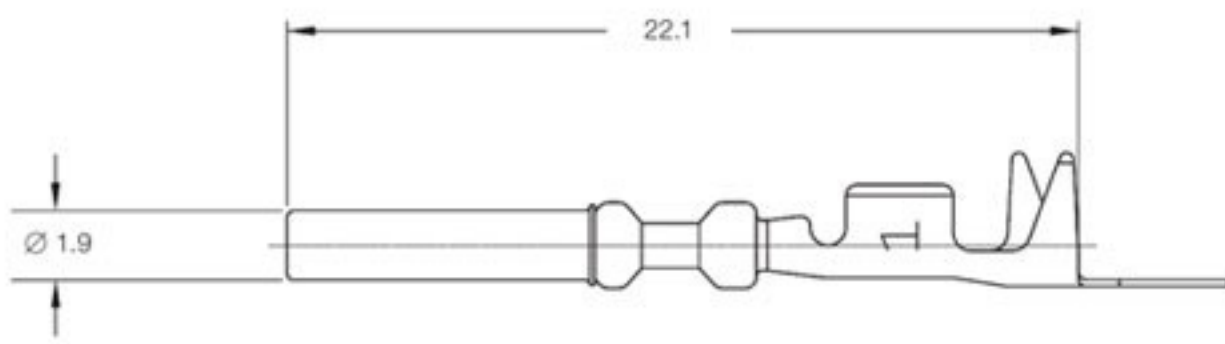
Driver Information



Body&Chasis Systems

Wire-to-Board (1.0 mm)and ECU applications, under hood or any location where sealing is required

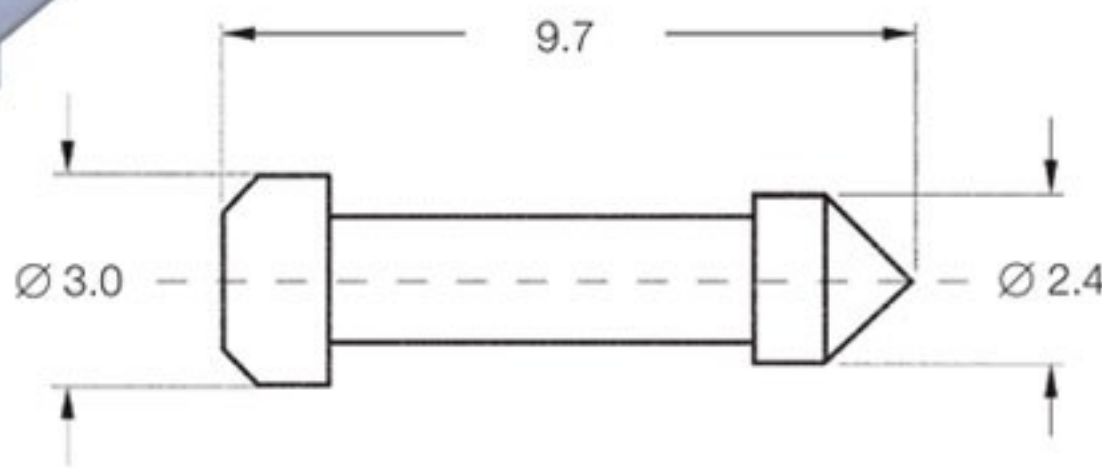
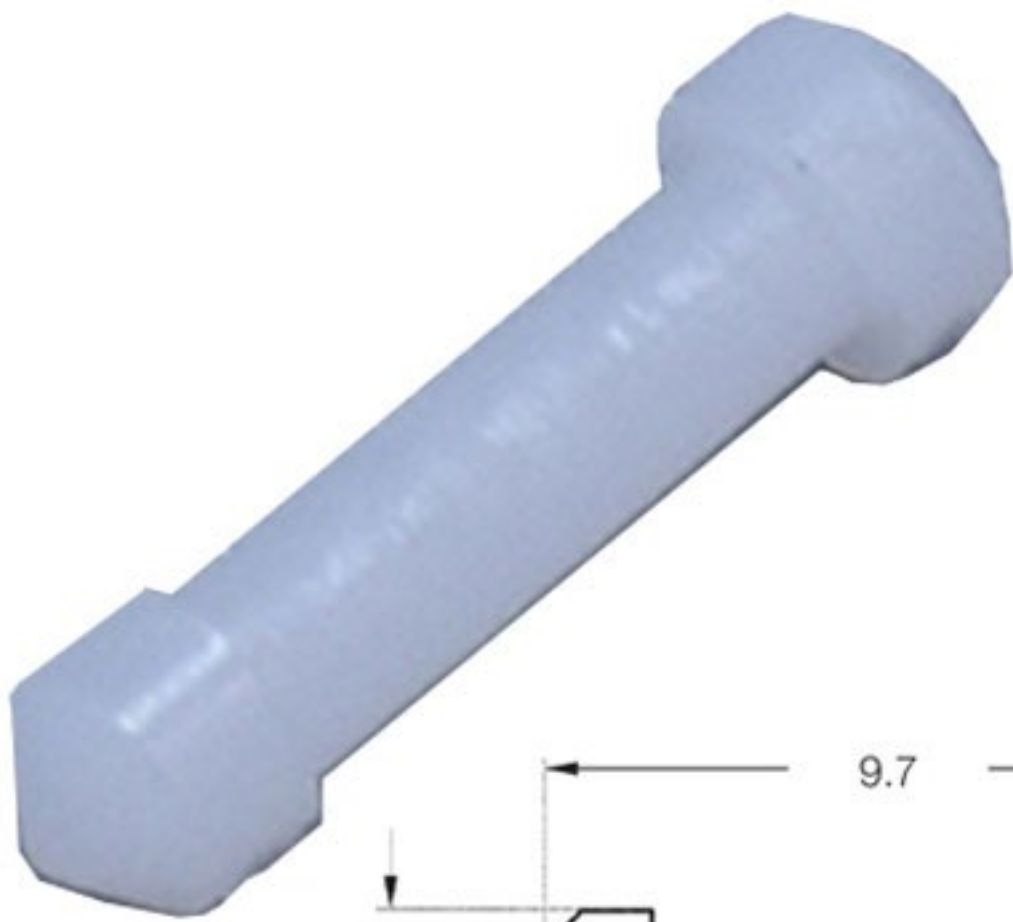
Suitable for automotive, truck, bus, or off-road vehicles



Technical Features

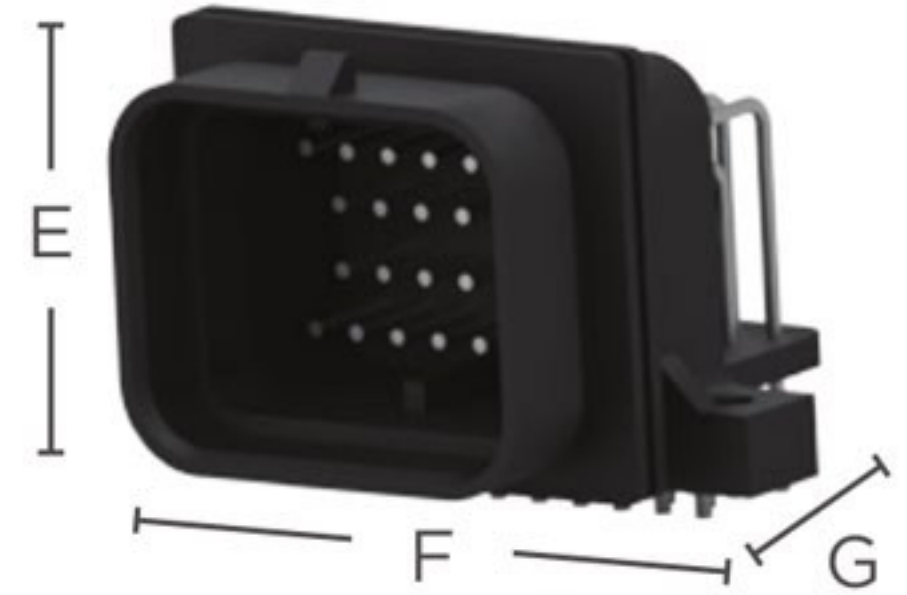
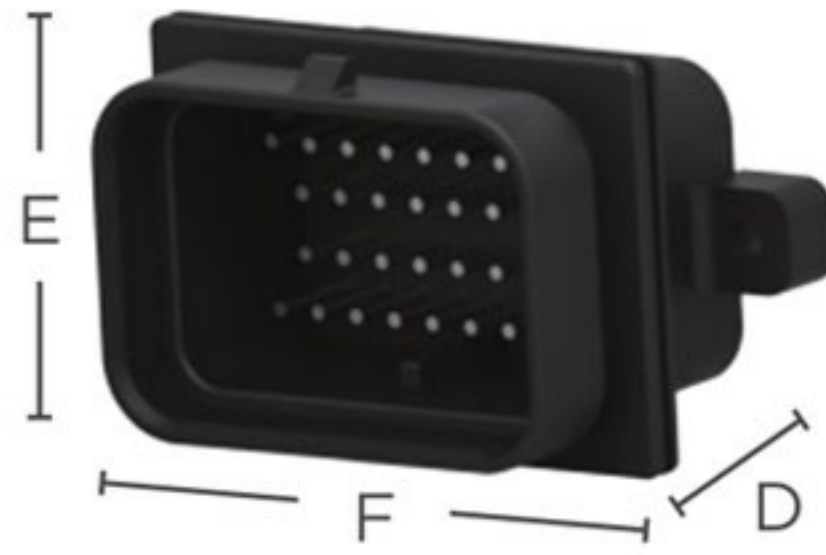
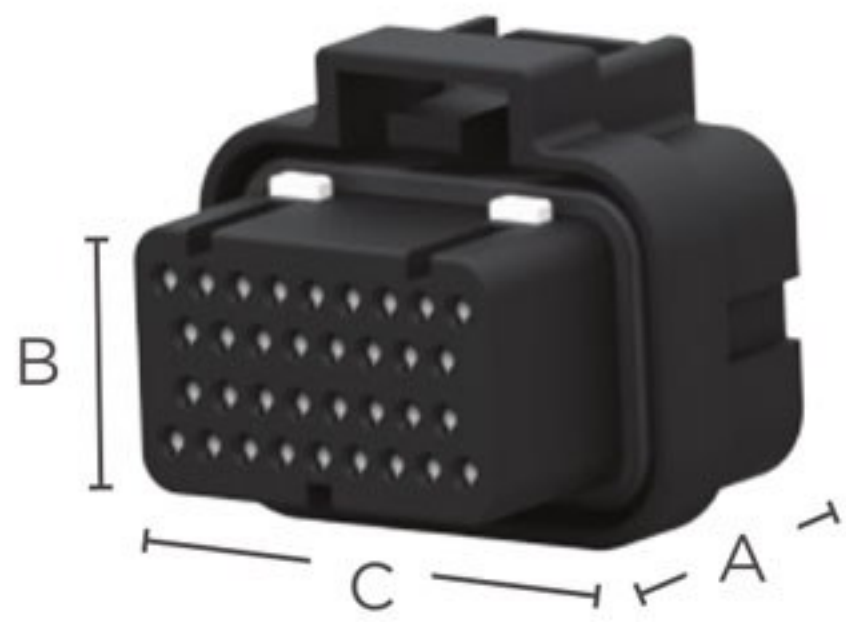
Wire Size Range:
0.5 up to 1.25 mm 2
Insulation Diameter: 1.6–2.2 mm
(Larger allowed on limited basis,
contact Product Engineering)
Contact Material: Copper Alloy
Contact Finish:
Gold over Nickel (contact part)
Tin over Nickel (crimp area)
Housing Material: PBT/PET
Temperature Range:
–40 °C up to +125 °C

CKK010-1.5FNA2	3-1447221-3 (0.75-1.25)
CKK010-1.5FNA1	3-1447221-4 (0.5)
CKK010-1.5FNA0	3-1447221-5 (0.3)



Open cavities provide pathways for contaminants to enter the connectors. To maintain seal integrity, any unused cavity must be filled with the appropriate size sealing plug.

Contact size 1.0mm	4-1437284-3
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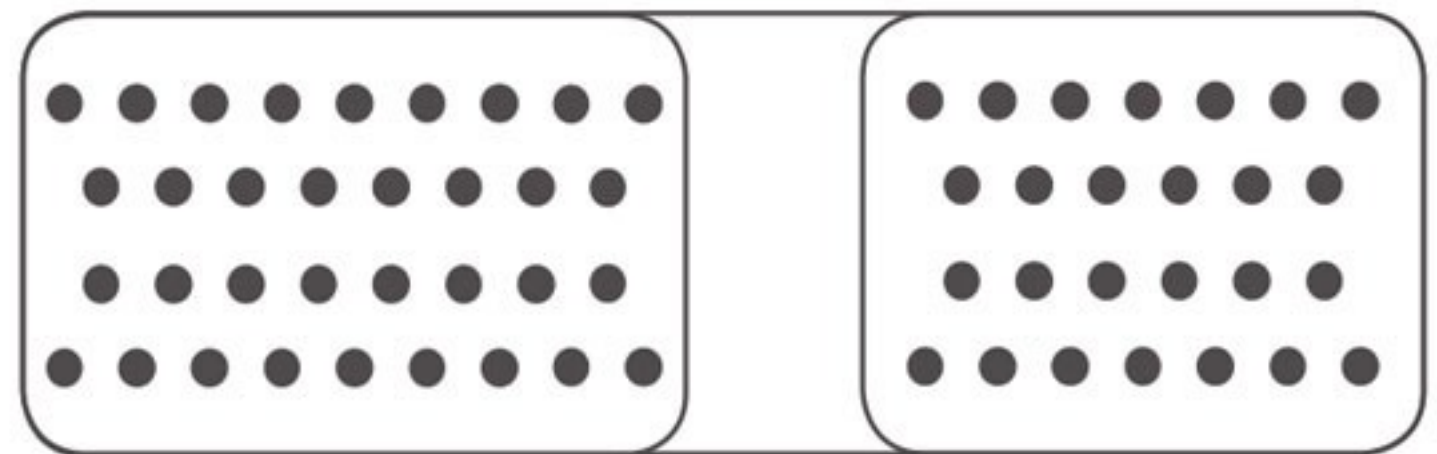
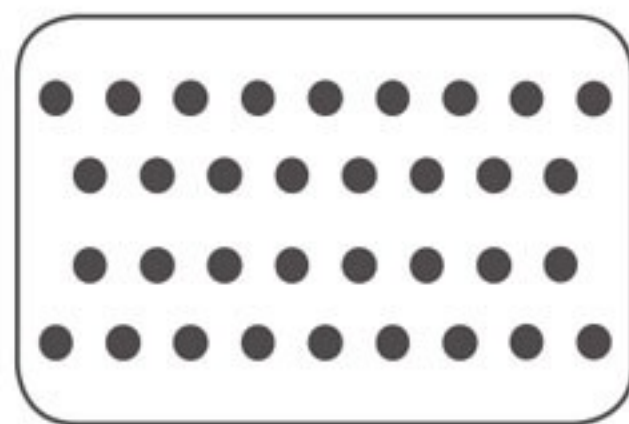
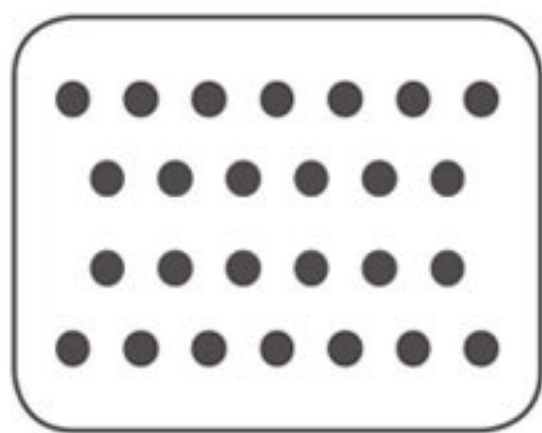
Superseal 1.0 Plug Housing

Superseal 1.0 Pin Header

Cavity	Overall Length A	Overall Hight B	Overall Width C	Overall Length Vertical D	Overall Hight E	Overall Width F	Overall Length 90° F
26	1.26 (32.1)	1.36 (34.5)	1.26 (32.1)	1.14 (29.0)	1.23 (31.4)	1.55 (39.5)	1.44 (36.5)
34	1.26 (32.1)	1.49 (38.0)	1.50 (38.2)	1.14 (29.0)	1.23 (31.4)	1.79 (45.5)	1.44 (36.5)
60	-	-	-	-	1.23 (31.4)	3.07 (78.0)	1.44 (36.5)

Dimensions are for reference only.

CONFIGURATIONS



26 Positions
26 size 1.0 mm

34 Positions
34 size 1.0 mm

60 Positions
60 size 1.0 mm

POSITION	PIN HEADER	PLUG HOUSING	KEYING TYPE	LOCKING
26	9-6437287-8 CKK726AO-1.6-11	3-1437290-7 CKK726-1.6-21	1(4 row)	Upper
	9-6437287-9 CKK726BAO-1.6-11	3-1437290-8 CKK726B-1.6-21	2(4 row)	Upper
	6473423-1 CKK726CAO-1.6-11	1473416-1 CKK726C-1.6-21	3(4 row)	Upper
	6473423-2 CKK726EAO-1.6-11	1473416-2 CKK726E-1.6-21	4(4 row)	Upper
	5-6447223-0 CKK726ADO-1.6-11	3-1437290-7 CKK726-1.6-21	1(4 row)	Lower
	6437288-4 CKK726BADO-1.6-11	3-1437290-8 CKK726B-1.6-21	2(4 row)	Lower
	2-6437285-8 CKK7262AO-1.6-11	2-1437285-2 CKK7262-1.6-21	1(4 row)	Double
	2-6437285-9 CKK7262BAO-1.6-11	1-1447232-7 CKK7262B-1.6-21	2(4 row)	Double
	6437288-6 CKK726SO-1.6-11	3-1437290-7 CKK726-1.6-21	1(4 row vertical)	Upper
	6473418-1 CKK726BSO-1.6-11	3-1437290-8 CKK726B-1.6-21	2(4 row vertical)	Upper
	6473418-2 CKK726CSO-1.6-11	1473416-1 CKK726C-1.6-21	3(4 row vertical)	Upper
	6473711-1 CKK726KG-1.6-11	1473712-1 CKK726K-1.6-21	1 (2 row)	Upper
	6473711-2 ---		1 (2 row)	Lower

POSITION	PIN HEADER	PLUG HOUSING	KEYING TYPE	LOCKING
34	6437288-1 CKK734AO-1.6-11	4-1437290-0 CKK734-1.6-21	1(4 row)	Upper
	6437288-2 CKK734BAO-1.6-11	4-1437290-1 CKK734B-1.6-21	2(4 row)	Upper
	2-6437285-5 CKK734ADO-1.6-11	4-1437290-0 CKK734-1.6-21	1(4 row)	Lower
	2-6437285-6 CKK734BADO-1.6-11	4-1437290-1 CKK734B-1.6-21	2(4 row)	Lower
	3-6437285-0 CKK7342AO-1.6-11	2-1437285-3 CKK7342-1.6-21	1(4 row)	Double
	3-6437285-1 CKK7342BAO-1.6-11	3-1437290-9 CKK7342B-1.6-21	2(4 row)	Double
	2-6447232-3 CKK734SO-1.6-11	4-1437290-0 CKK734-1.6-21	1(4 row vertical)	Upper
	2-6447232-4 CKK734GBSO-1.6-11	4-1437290-1 CKK734B-1.6-21	2(4 row vertical)	Upper
60	6437288-3 CKK760AO-1.6-11	3-1437290-7 (26P) 4-1437290-0 (34P)	1(4 row)	Upper
	6473427-1 CKK760CBAO-1.6-11	1473416-1(26P) 4-1437290-1(34P)	2 + 3 (4 row)	Upper
	6437288-5 CKK760DAO-1.6-11	3-1437290-7 (26P) 4-143790-0 (34P)	1(4 row)	Lower
	3-6437285-2 CKK7602AO-1.6-11	2-1437285-2 (26P) 2-1437285-3 (34P)	1(4 row)	Double



CKK726-1.6-21
3-1437290-7



CKK726AO-1.6-11
9-6437287-8



CKK726SO-1.6-11
6437288-6



CKK726B-1.6-21
3-1437290-8



CKK726BAO-1.6-11
9-6437287-9



CKK726BSO-1.6-11
6473418-1



CKK726C-1.6-21
1473416-1



CKK726CAO-1.6-11
6473423-1



CKK726CSO-1.6-11
6473418-2



CKK726E-1.6-21

1473416-2



CKK726EAO-1.6-11

6473423-2



CKK726K-1.6-21

1473712-1



CKK726KG-1.6-11

6473711-1



CKK7262-1.6-21

2-1437285-2



CKK7262AO-1.6-11

2-6437285-8



CKK7262B-1.6-21

1-1447232-7



CKK7262BAO-1.6-11

2-6437285-9



CKK734-1.6-21
4-1437290-0



CKK734AO-1.6-11
6437288-1



CKK734SO-1.6-11
2-6447232-3



CKK734B-1.6-21
4-1437290-1



CKK734BAO-1.6-11
6437288-2



CKK734GBSO-1.6-11
2-6447232-4



CKK7342-1.6-21
2-1437285-3



CKK7342AO-1.6-11
3-6437285-0



CKK7342B-1.6-21
3-1437290-9

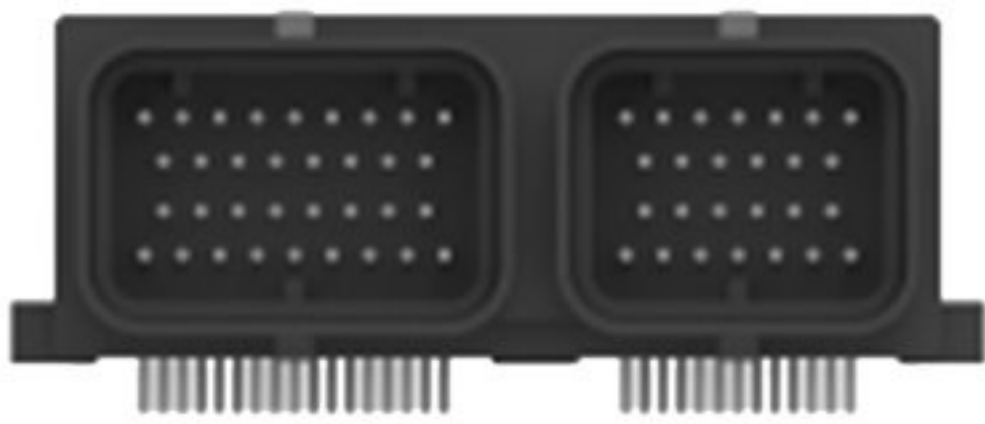


CKK7342BAO-1.6-11
3-6437285-1



CKK744-1.6-21
1376886-1

60 WAY



CKK7602AO-1.6-11
3-6437285-2

CKK7262-1.6-21
2-1437285-2

CKK7342-1.6-21
2-1437285-3





UPPER LOCK

CKK760AO-1.6-11

6437288-3



CKK760CBAO-1.6-11

6473427-1



LOWER LOCK

CKK760DAO-1.6-11

6437288-5

CKK726-1.6-21
3-1437290-7

CKK734-1.6-21
4-1437290-0



CKK726C-1.6-21
1473416-1

CKK734B-1.6-21
4-1437290-1



CKK726-1.6-21
3-1437290-7

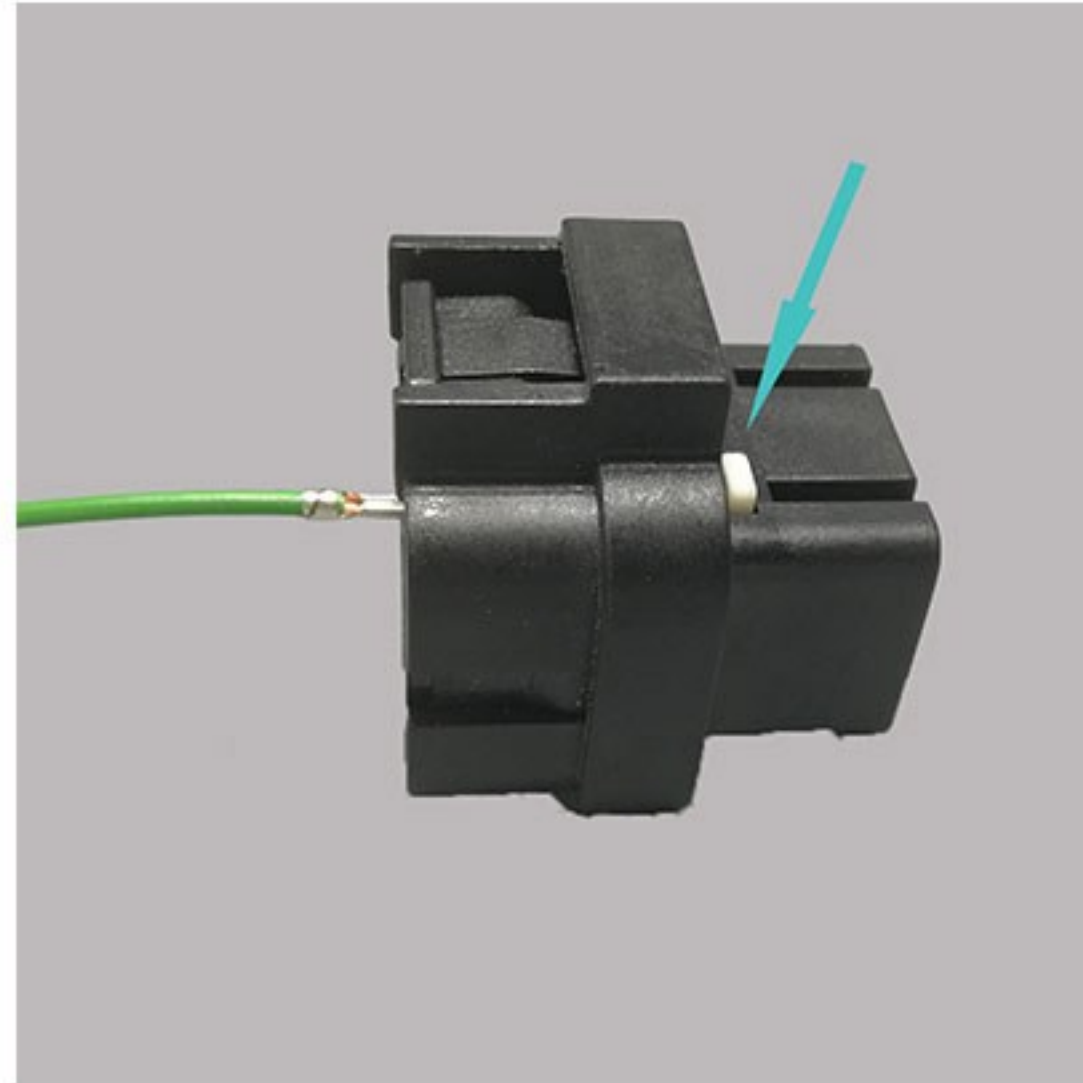
CKK734-1.6-21
4-1437290-0



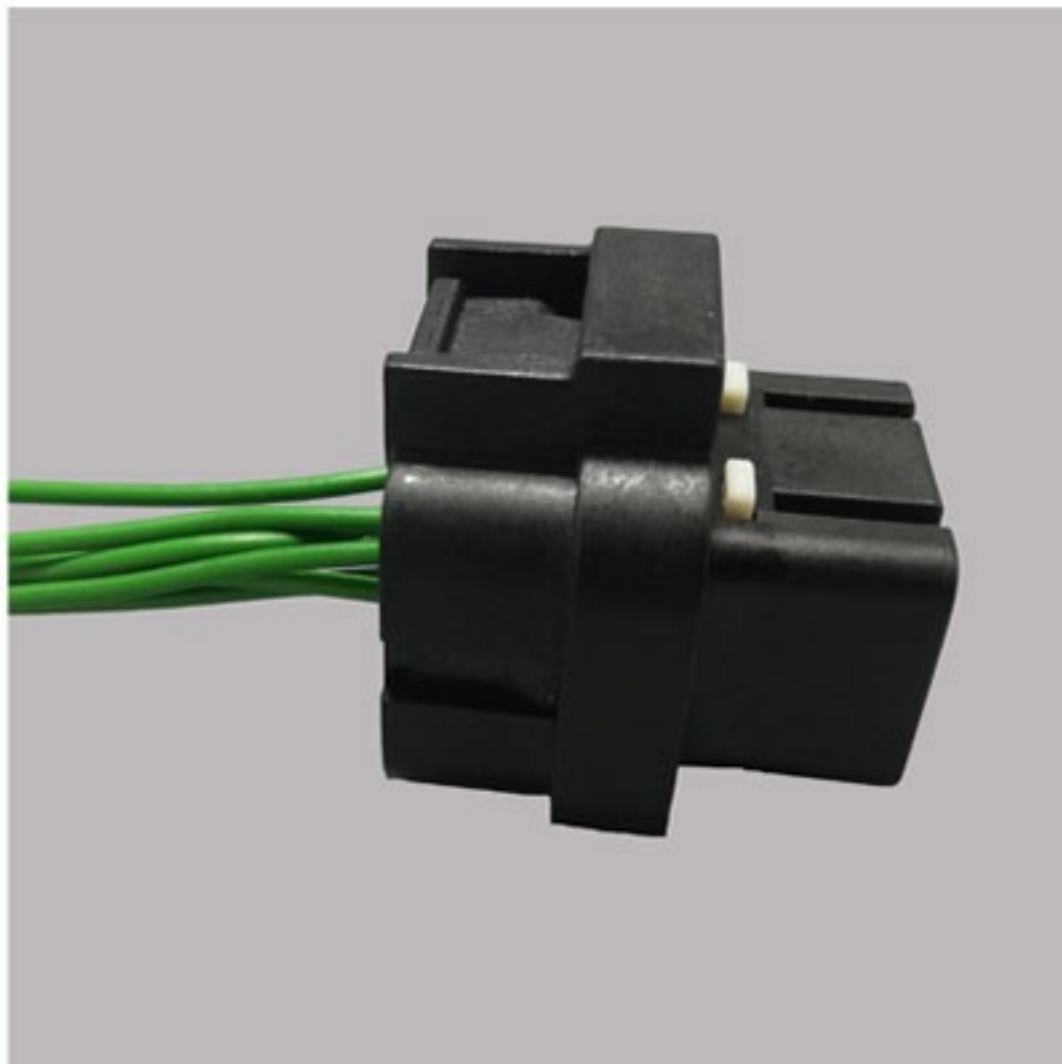
The cap and plug connector housings incorporate pre-assembled secondary locks to help insure correct and complete contact insertion into the housing and helps prevent the contacts from backing out during mating. The secondary lock cannot be closed if the contacts are not correctly inserted into the connector housing. Cavity plugs are available for sealing unused connector cavities. The double spring contact design (main spring and auxiliary anti-overstress spring) insure low insertion and high contact forces.



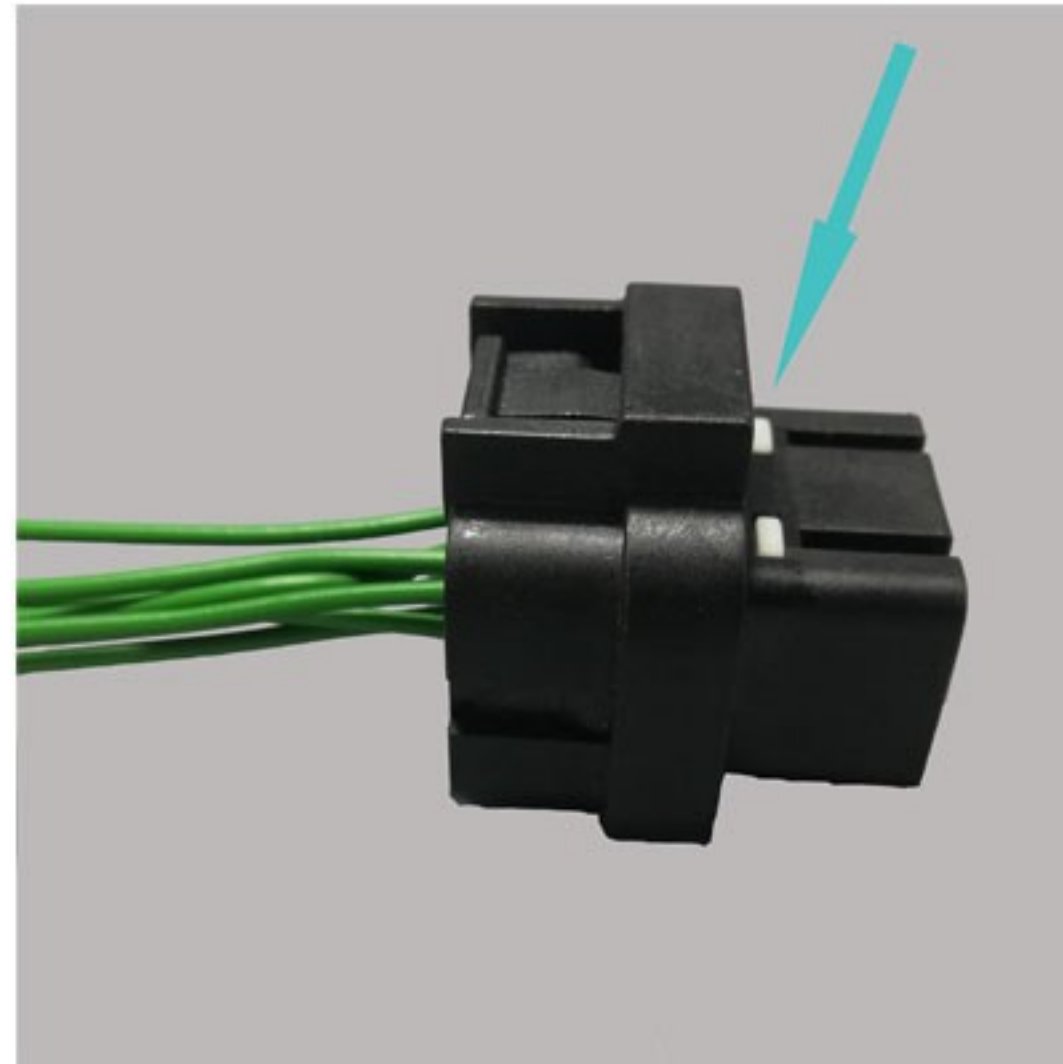
Step 1:
Grasp crimped contact approximately one inch behind the contact barrel.



Step 2:
Check that the secondary lock of the plug assembly is in open position. Align the contact with the applicable cavity.



Step 3:
Insert the contact into the connector cavity until there is an audible and tactile click.



Step 4:
After all the contacts have been inserted, close the secondary lock by simultane-ously squeezing locking latches inward and pushing the lock into the housing.



**KINKONG CONNECTOR
KINGKONG POWER**



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