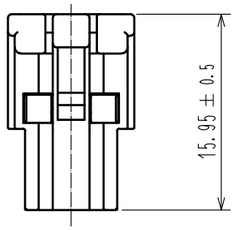
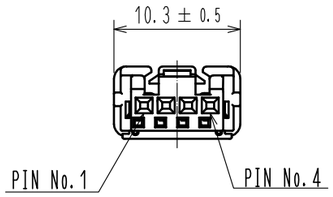
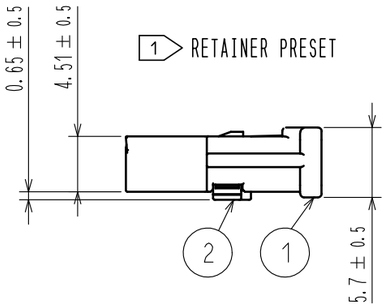
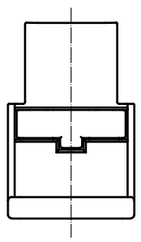
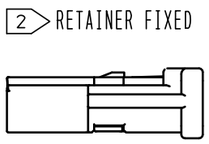
ELV, RoHS COMPLIANT





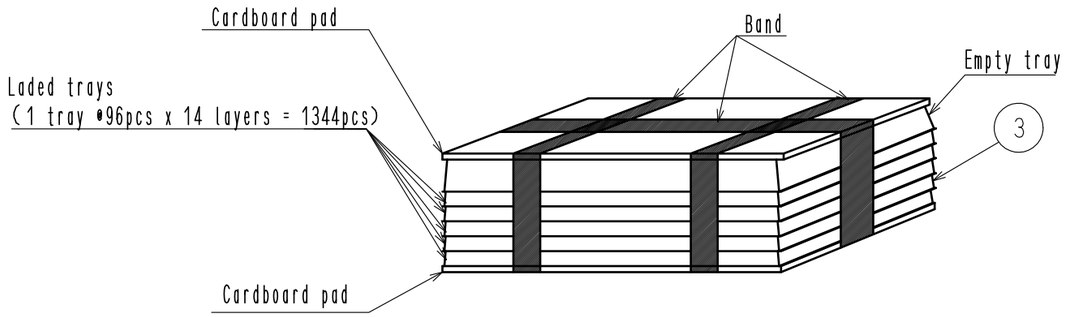




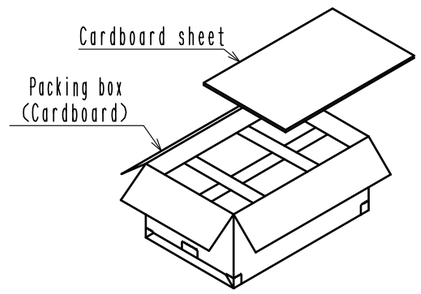


Packaging Specification

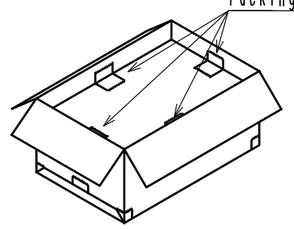
(1) After placing parts in trays, stack in fifteen layers. (Top layer will be empty.)



(2) Place bound trays in box, then place cardboard sheet on top.

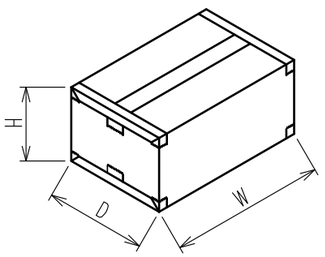


(3) Using packing tape, affix sheet of cardboard to box in four places.



(4) Place lid on box and seal with packing tape.

W=(365)mm
D=(267)mm
H=(126)mm



NOTE. 1 RETAINER IS TEMPORARILY ASSEMBLED INTO HOUSING.
2 RETAINER TO BE COMPLETELY ASSEMBLED INTO POSITION AFTER CONTACT IS INSERTED.

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
2	PA	DARK GRAY UL94V-0			
1	PA	BLACK UL94V-0	3	POLYSTYRENE	

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	4	3	DIS-T-00017464	YT. TAKANASHI	TY. MOGI	20230404

HIROSE ELECTRIC CO., LTD.

APPROVED	HK. UMEHARA	20190426
CHECKED	HK. UMEHARA	20190426
DESIGNED	YH. MAMADA	20190426
DRAWN	DS. HIROWATARI	20190426

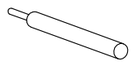
DRAWING NO.	EDC-386026-00-00
PART NO.	ZG05L2-4S-1.8HU/R
CODE NO.	CL0754-2204-0-00

4 1/5

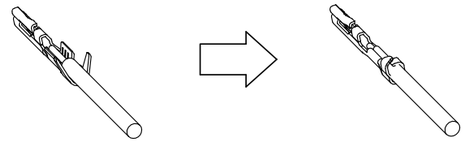
2. ASSEMBLY PROCESS

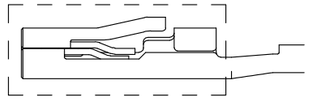
①Strip the cable

Note: Please refer to the Crimp Quality Standard
for details on strip length.



②Crimp wire in terminal ZG05A-2224SCF(##)

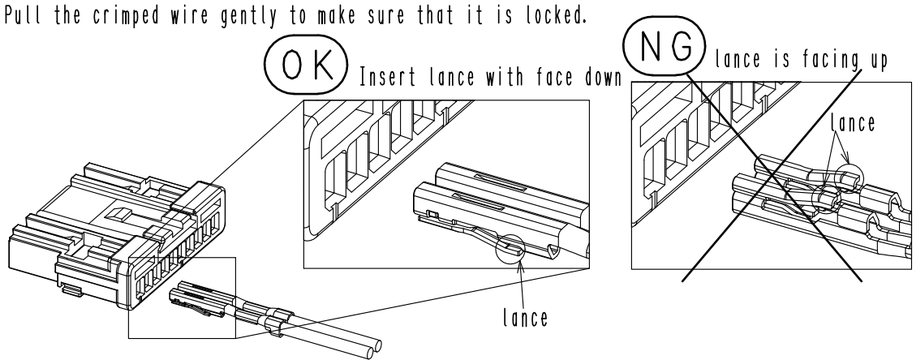




No touch area

NOTE 1: Please use the Hirose crimp tool.
NOTE 2: Please refer to the Crimp Quality Standard
to confirm terminal compatibility and crimp condition check.
NOTE 3: Please refer to the Crimp Condition List
to confirm crimp height and insulation height.

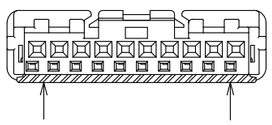
③Insert contact and push until a click is heard.
Pull the crimped wire gently to make sure that it is locked.



Note: Inserting the terminal section while swinging the terminal up and down
in the housing insertion hole, will deform the lance and it will not be possible to lock it.
In that case, use a new terminal and do not reuse the damaged one.

④For preset position, press the retainer until a click is heard.
Press the retainer on one side, and then on the other side, to bring it to set position.
(Refer to the attached sheet)

Retainer preset



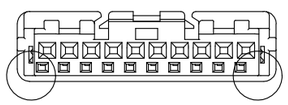
Press the retainer on one side,
and then on the other side.

※If left and right side are pushed simultaneously,
it may damage the retainer.

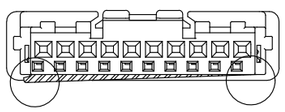
※Pressing the middle of the retainer may not lock it correctly.

Retainer set

After setting the retainer, please inspect the housing from
the view as shown below, and confirm that the retainer is not
protruding from any side.



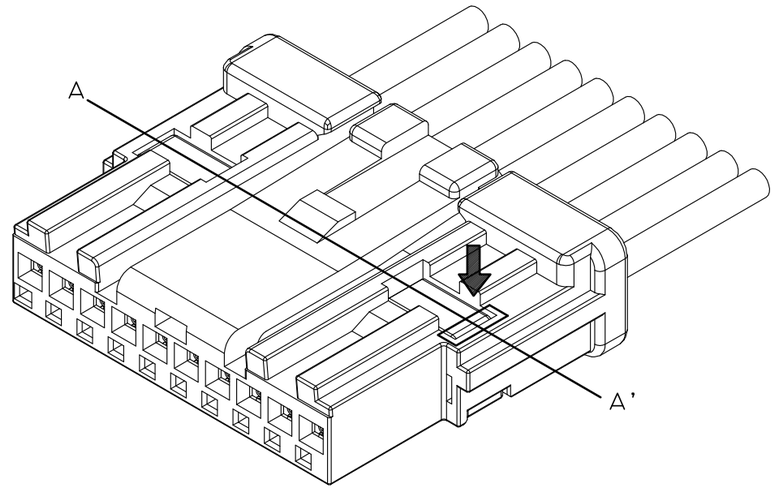
*Retainer set
OK



*Retainer half engaged
NG

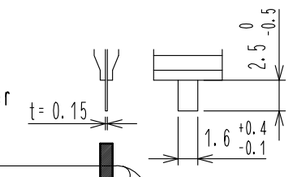
3. REPAIR PROCESS

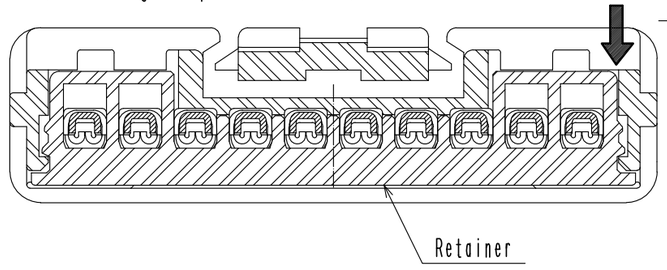
①Using a thin plate, disengage the retainer lock
and return the retainer to the preset position.

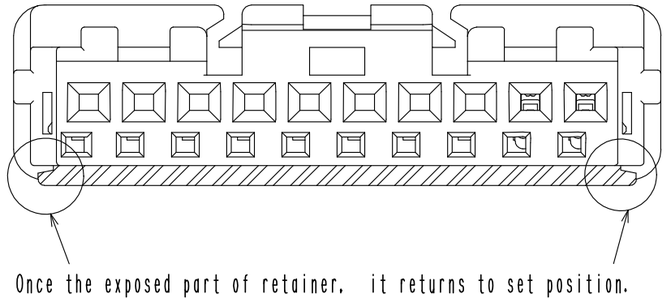


A—A' Section

Insert a thin plate into the gap between the retainer
and the housing and push it until it releases.





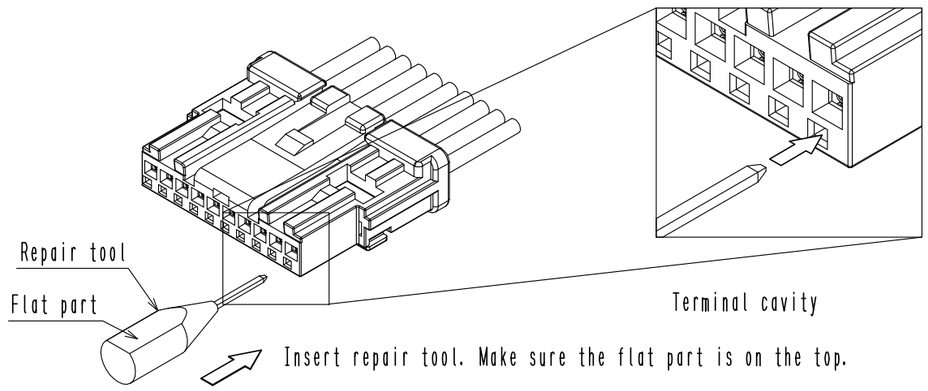


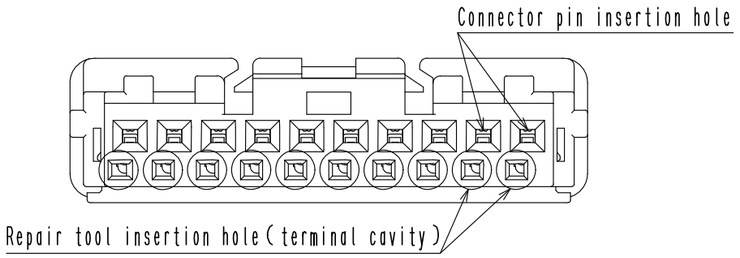
Once the exposed part of retainer, it returns to set position.

DRAWING NO.	EDC-386026-00-00
PART NO.	ZG05L2-4S-1.8HU/R
CODE NO.	CL0754-2204-0-00

3. REPAIR PROCESS

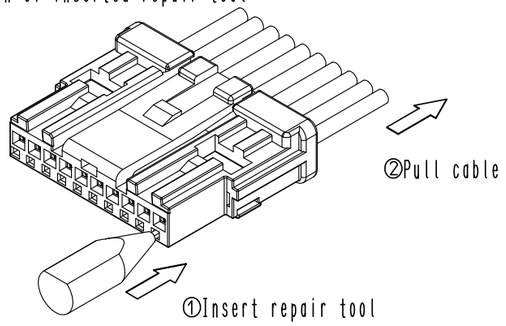
②Insert the repair tool into the terminal cavity and push until contact with the terminal is made. Maintain this position and remove the terminal.





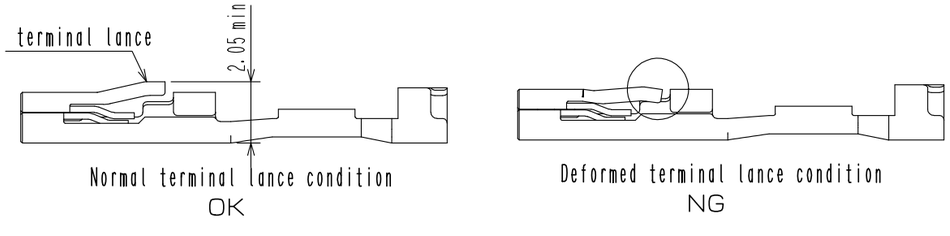
Note: Be careful not to insert the repair tool into the connector pin insertion hole.
※If inserted, contact part will be deformed and it will result on continuity faillure.
Use new terminal without reuse.

Condition of inserted repair tool



Note: Do not reuse the connectors. Please use a new connector after repairing.

Note: Do not reuse the terminal in case the lance has a transformation. Use a new terminal.



4. Other / Notes

1) Do not touch the terminal contact points or the interior of the barrel.
2) When handling the terminal, please wear gloves in order to prevent corrosion.
3) Placing items on top of a terminal or dropping a terminal may result in deformity or contamination. Please handle terminals with care.
4) In case the terminals become tangled, please do not pull or bend them apart. Please untangle them carefully.
5) Use caution when handling terminals in order to avoid deformation.
6) Make sure that the terminals of crimped cables do not become entangled. When bundling or stacking cables, please prevent the terminals from being subjected to any external force.
7) Use caution to ensure that the part is not subjected to any large impacts.
8) Avoid storing in dusty areas.
9) Do not place wire harnesses on the floor.
10) Refrain from any handling that may result in terminal damage or deformation.
11)In case any released retainer is found, please scrap both retainer and housing.
12)Do not use the housing in case it drops.

・Dedicated tool summary

Crimped Terminal connection Tool - Part Number Summary

Applicable Part	Connection Tool Name		Connection Tool Part Number
ZG05A-2224SC(F)(##)	applicator	AP105-ZG05A-2224S	901-5240-0

(##) = specification number

Crimped Terminal Repair Tool - Part Number Summary

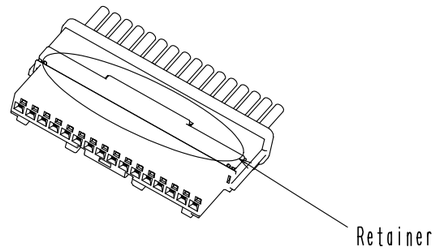
Applicable Part	Repair Tool Name	Repair Tool Part Number
ZG05A-2224SC(F)(##)	ZG05A/RE-MD	902-5146-0

(##) = specification number

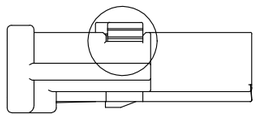
HRS	DRAWING NO.	EDC-386026-00-00
	PART NO.	ZG05L2-4S-1.8HU/R
	CODE NO.	CL0754-2204-0-00

attachment sheet

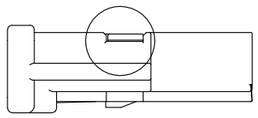
Precaution note: Retainer insertion procedure



Retainer preset position

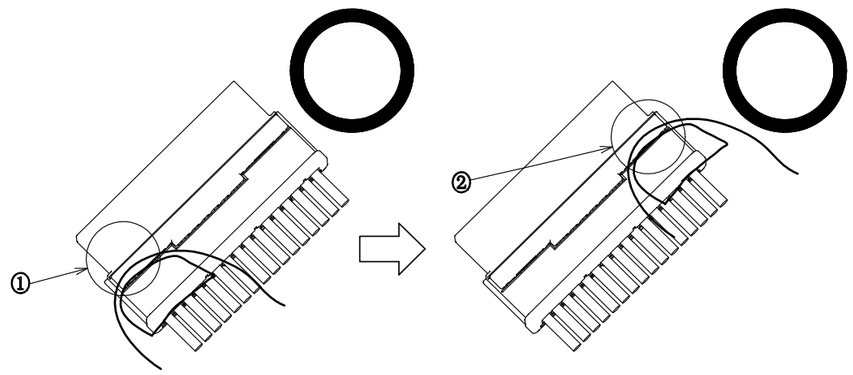


Retainer set position

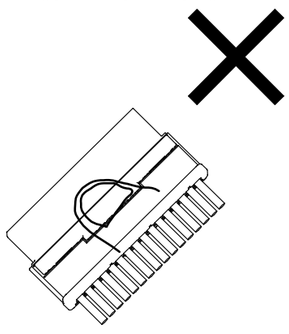


Precautions concerning retainer insertion procedure

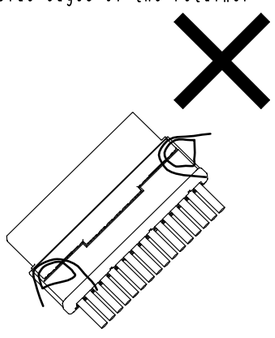
◆Manually push the retainer edges, starting from the left to the right side, or in the following order: ① → ②.



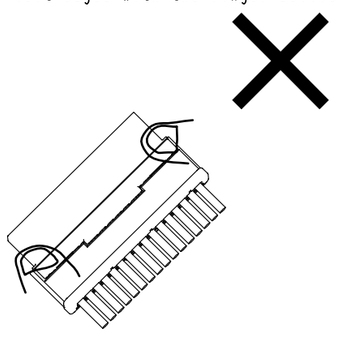
DO NOT Push the center of the retainer



DO NOT Simultaneously Push the side edges of the retainer

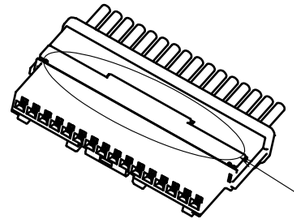


DO NOT Simultaneously Push right & left edges with the finger bellies



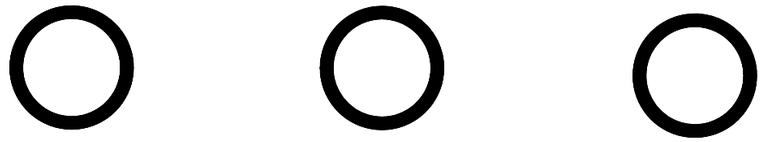
attachment sheet 2

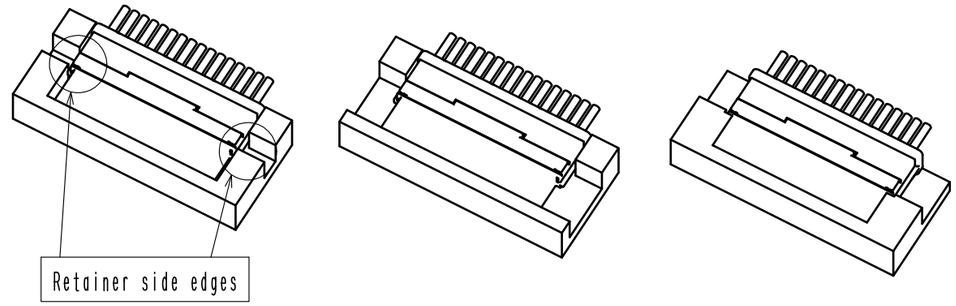
Precaution : Retainer fixture base design



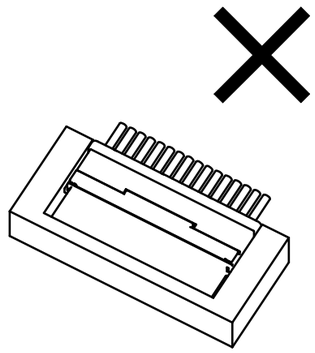
Precautions concerning retainer setting on the fixture base

◆The fixture base should have a design which provides clearance on the side edges of the retainer.
Using a fixture base that blocks down the side edges of the retainer, may damage the female housing.

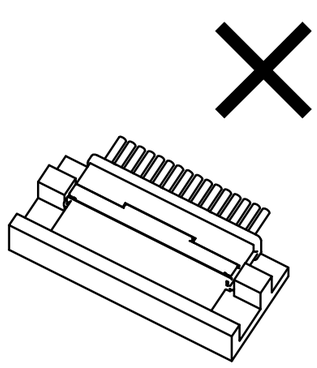




DO NOT Use any fixture base which surrounds the totallity of the housing



DO NOT Use any fixture base which blocks the side edges of the retainer



HRS	DRAWING NO.	EDC-386026-00-00
	PART NO.	ZG05L2-4S-1.8HU/R
	CODE NO.	CL0754-2204-0-00

CRIMP QUALITY STANDARD

1. Scope

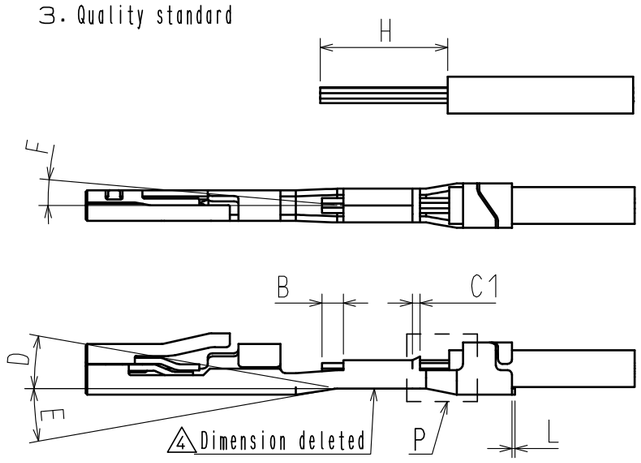
This technical specification prescribes crimp condition of ZG05A-2224SCF (CL754-2001-0)

2. Applicable wire

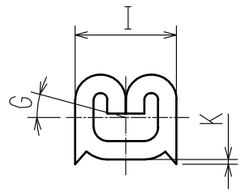
・Applicable wire size : 0.22～0.35SQ

△4・Applicable insulation size : φ1.1～φ1.4

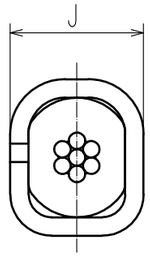
3. Quality standard



WIRE BARREL
CROSS-SECTION IMAGE



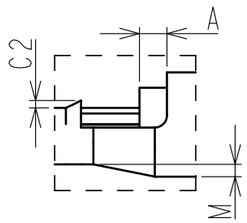
INSULATION BARREL
CROSS-SECTION IMAGE



CHECK POINT			MEASURE (mm)
COVER LOCATION		A	0.3～1.3
LOCATION OF TIP OF THE CORE		B	0.1～1.0
BELL-MOUTH		C1	0.1～0.4
		C2	—
BEND-UP		D	3° max
BEND-DOWN		E	3° max
TWIST		F	±2° max
ROLLING		G	±5° max
STRIP LENGTH		H	3.5～4.0
WIDTH	WIRE BARREL	I	1.36 max
	INSULATION BARREL	J	1.47 max
HEIGHT OF METAL CUT-OUT TEETH		K	0.15 max
CUT-OFF TAB		L	0.1 max
DIFFERENCE IN LEVEL BETWEEN WIRE BARREL AND INSULATION BARREL		M	0.2 max

△4 Table deleted

P ENLARGED VIEW



Note1. Refer to a crimp condition list for the crimp height.
Note2. There is a possibility that a terminal is involved in covering and crowded by the crimping, but it's no problem on the product function.
Note3. Please confirm that the terminal which did crimp enters a housing.

DRAWING NO.	EDC-386026-00-00
PART NO.	ZG05L2-4S-1.8HU/R
CODE NO.	CL0754-2204-0-00 △4 5/5