	ex A	PPLICATION SPEC	IFICATION		ex	LAN	IGUA
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<u>USER'S MANUAL</u> 2.0mm PITCH W/B CONN. SINGLE Series							
plication P	roducts						
	<u> </u>	Product Na	me		Part Nu	umber	
		PLUG HOUS	SING		502439	series	
Harness	side	PLUG TERM			502438	series	
		APPLICABLE W	IRE (※)		AWG#2	2~26	
		APPLICABLE CRIMF	P TOOL (※)		578045	-3000	
			R/A T	YPE	502494	series	
PCB sid	de REC	CEPTACLE HOUSING ASS'Y	′ <u>S/T T</u>	YPE	502443	series	
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[1. Storage before usage]

- ① Please store the products in our boxes, in a cool, non-humid location avoiding direct sunshine. This is necessary in order to keep the material from deforming or degradation.
- 2 Please store in a condition avoiding pressure. This is necessary in order to keep the material from deforming or degradation.
- ③ When transferring the products, please be careful not to apply shock from dropping or hitting the boxes.

[2. Instructions during harnessing]

- ① Please confirm if you the Plug. HS'G, terminal, crimp condition, wire meets the crimp specification before starting the harnessing. (In case they do not meet, please inform our sales)
- ② Do not use terminals with deformation on the contact boxes. These terminals may not meet the required insertion force to the Plug. HS'G or not meet electrical requirements.
- ③ Do not touch the terminals with your hands directly. The oil and the organic substances could apply negative effect to the plating leading to electrical failure.
- ④ Do not pull the terminals robustly when the terminals have problem fitting. It could deform the terminal.
- 5 Do not apply extended force to the Plug. HS'G, terminals, products in line, harnesses. This could cause connector deforming which leads to failure meeting connector requirements.
- (6) Keep away Plug. HS'G, terminals, products in line, and harnesses from dust, corrosive properties, corrosive gas, high temperature, high humidity, and direct sunshine. This could lead to product failure caused by contact failure, terminal corrosion, and HS'G insulation failure. Please be careful when storing the products.
- ⑦ Do not deform the Plug. HS'G and terminals on purpose. It would lead to product failure.
- In Please use all products on that day after un-packing the box. The surrounding air condition could cause material degradation. In case you have to store the parts for a while, please seal the parts and keep them in the box.
- (9) Please look out for sharp edges to avoid injury.
- 10 Please look out for paper in the reels, to avoid paper cuts.

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[4. Crimping]

The following define the correct appearance and crimping rejects after crimping %Please refer to MX DWG (CS-502438-001) for detailed crimp height and applicable wire etc.

4-1. Appearance



- 1 No deformation, straight
- 2 No deformation on the contact and box
- ③ The wire is coming out from the wire barrel but does not jump out from the terminal.
- ④ The insulation ends just in the middle of the insulation barrel and the wire barrel.
- (5) No deformation on the lance.
- 6 No other abnormality.

4-2. Crimp rejects(The product shape is an example)

Following rejects could apply negative impact toward HSG insertion and product performance.

1 Bend up

This could cause bad insertion force, retention force, and electrical failure.



2 Bend down

This could cause bad insertion force, retention force, and electrical failure.



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[8. Instruct 8-1. Re structure co	(8. Instructions on mating crimped terminals to plug HS'G] 8.1. Recommended insertion Set the Plug. and the Rec HS'G ASS'Y in the correct direction and insert the Rec. HS'G straightly in the Plug HS'G. Please hold the both sides of the Plug. HS'G and push until the connectors lock completely. After mating, confirm the positive lock is in the correct location. Please insert both sides of the plug housing pushing. Please insert both sides of the plug housing pushing.							
×	NOTE Tilted insertion ** NoTE ** Do not push the positive lock of the Plug. HS'G when mating. This prevents the formal movement of the locking where the lance slips over the positive lock. This leaves excessive load to the HS'G and end as a damage. ** Please push the connector until it hits the wall. This connector is designed to prevent pin damage due to tilted insertion. However, please keep in mind that tilted insertion could widen the side walls on the mold which could lead to lock force decrease, especially when the number of circuits is big. **In case the insertion is not smooth, please confirm if there is no damage to the connector nor the pin, and reinsert.							
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<u>8-2. Rec</u> H loc	commended Hold the wire ok on the sid	<u>l removal</u> es together, attach y des. When confirme	our fingers to the sic ed that the lock is r	de without eleased, _l	the lock an pull the conr	d push the nector upv	e positive vards.
The side the lock	without e lock release by the	The lock release bar se bar is pushed on tip of a finger.	r Iy	O The lock pushed fla	release bar at of the fing	r is ger.	
~ * *	NOTE Please hold could lead t When you to avoid na When remo connector d connector w	d all wires equally to damage. press the lock remo il damage injury. ving the lock, be su loes not unlock whe vith the positive lock	to prevent excessive val bar, use your fing re to unlock complete n the positive lock is is in effect, the conn	e force of ger cushic ely. This c in effect. V ector will	n certain wi on and not t connector is When you tr break.	ires. Exce he tip of y designed ry to pull th	ssive force our fingers, so the
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[9. Other]

OTools and wire to use

- 1. In case you would like to use different size wire, please let us know in advance since they would not be covered under warranty.
- 2. For rejects that occurred by using different tools other than specified in the spec, they would not be covered under warranty.

ORating & performance spec

- 1. Please use this product within the spec(PS-502443-001)
- 2. Do not mate/unmated while electricity is flowing.
- 3. Please use the connector after confirming that it meets the required spec for your product.

4. In order to avoid short circuits, please be careful so no metal panels and metal pieces interfere with the connector.

OApplication

- 1. This is not designed to meet applications which are used under conditions where a person's life could be put under danger. Please do not use this product for applications in the medical, aircraft, atomic power, etc without notifying us.
- 2. In case you were to use this connector for automotive/boat applications, please notify us in advance. (We would test to see toward your spec.)
- 3. Do not use the product outside or any other atmosphere which is equivalent to this.

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