

**WORK INSTRUCTION**

Effectivity Date:

April 28, 2021

Process Name/Title:

**ELECTRICAL TEST**

Validity Date:

n/a

Product Name/Code: **Y2R/YKC** / **75N829-7020/75N830-7020**

Customer:

**TRJ**

Document No.:

**WI-ENG-PDE-021**

Purpose:

☐ PROTOTYPE☐ PRE-LAUNCH☒ MASSPRO

Revision No.:

3

Page No.:

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PARTS:

n/a

JIG:

1. Tester jig/Electrical test machine

NO.

PROCESS NAME

WORK PROCEDURE/ ILLUSTRATION

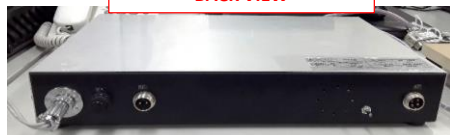
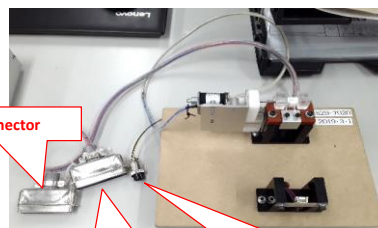
TOOLS/PPE

QUALITY POINTERS

1

3

Electrical test machine and tester jig set-up

**ELECTRICAL TEST MACHINE****BACK VIEW****FRONT VIEW****Master Connector****TESTER JIG****Test Connector****Tester jig connector**

1. Plug-in the tester jig connector on the slot at the back of the Electrical Test Machine then tighten-up.

**Safety Instruction**

Be sure to wear prescribed personal protective equipment during operation (gloves, finger cots, etc.)

**Housekeeping**

1. Maintain and always practice 5's.
2. Personal things on the workplace is prohibited. Keep it in your locker.

**Alert level**

For any trouble, inform the Assembly Assistant Supervisor or Line Leader for immediate corrective action.

1. No loose attachment of plug

## Revision History

Eff. Date	Rev. No	Details of Change	Revised	Checked	Approved	Noted	Prepared by	Reviewed by	Approved by	Noted by
04/28/21	3	Removal of validity date. Apply some improvements.	M. Catapang	C. Villanueva	A. Shimamura	A. Arañes	M. Catapang	C. Villanueva	A. Shimamura	A. Arañes
10/27/20	2	Changed effectivity and validity date.	M. Catapang	R. Peñaloza	A. Shimamura	A. Arañes	M. Catapang	C. Villanueva	A. Shimamura	A. Arañes
08/17/19	0	Initial issue								

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PARTS:

n/a

JIG

1. Tester jig/Electrical test machine

NO.

PROCESS NAME

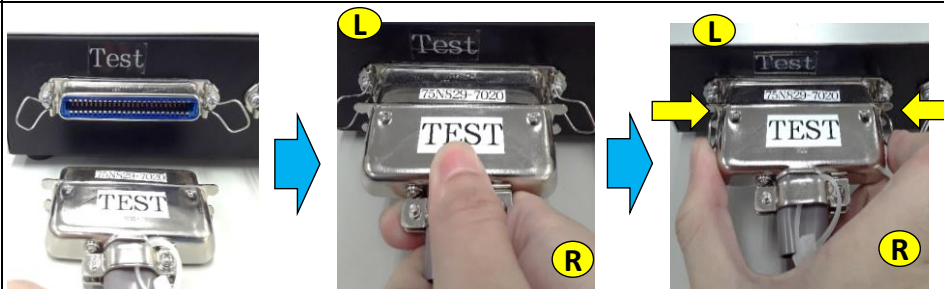
WORK PROCEDURE/ ILLUSTRATION

TOOLS/PPE

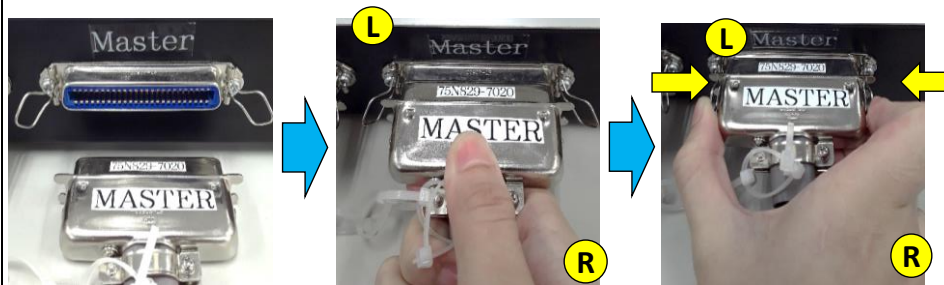
QUALITY POINTERS

1

Machine Set-up  
(Continuation)



2. Plug-in the Test Connector then lock both sides using both hands.



3. Plug-in the Master Connector then lock both sides using both hands.

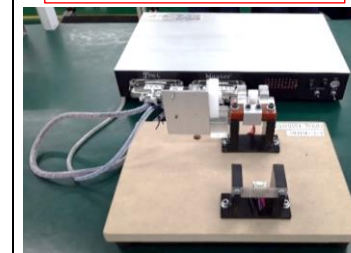


4. Switch on the PSW, Push upward to Turn-ON the Machine.

n/a

1. No loose attachment of plug

TESTER JIG



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## PARTS:

1. Assy parts

## JIG

1. Tester jig/Electrical test machine

## NO.

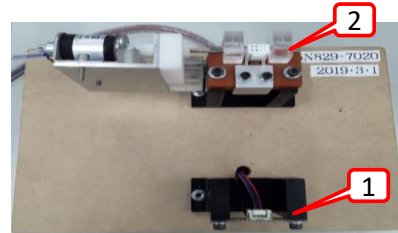
## PROCESS NAME

## WORK PROCEDURE/ ILLUSTRATION

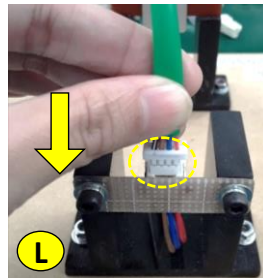
## TOOLS/PPE

## QUALITY POINTERS

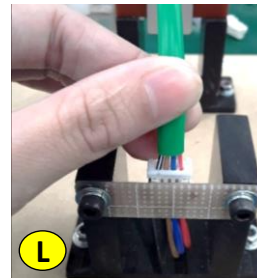
2

3  
Verification of NG  
Sample

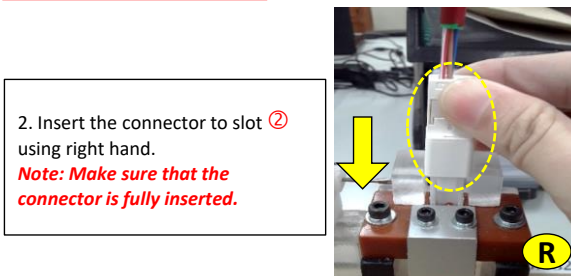
INSERTION SEQUENCE GUIDE



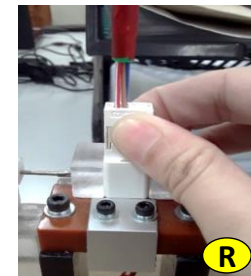
BEFORE INSERTION



AFTER INSERTION

1. Insert the connector to slot ①  
using left hand.**Note: Make sure that the  
connector is fully inserted.**

BEFORE INSERTION



AFTER INSERTION

2. Insert the connector to slot ②  
using right hand.**Note: Make sure that the  
connector is fully inserted.**

n/a

1. No wrong facing of connector  
2. No wrong insertion sequence

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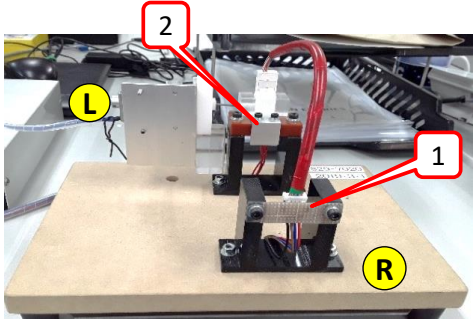
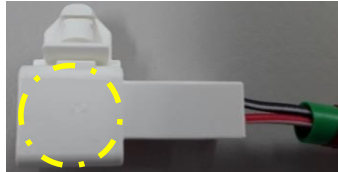
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PARTS:		1. Assy parts			JIG	1. Tester jig/Electrical test machine
NO.	PROCESS NAME	WORK PROCEDURE/ ILLUSTRATION			TOOLS/PPE	QUALITY POINTERS
2	Verification of NG Sample (Continuation)	<div><p><b>RED LED: Light indicator for NG</b></p><p>3. Check the machine judgement through <b>LED light</b> indicator. <i>Note: If the RED LED turns on, this means that the machine judgement is verified correct.</i></p></div> <div><p>4. Remove the <b>NG sample</b> using both hands, push the reset button and check the connector markings.</p></div>			n/a	 <p><u>Should be no 3 dots marking appeared on the connector.</u></p>

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**PARTS:**

1. Assy parts

**JIG**

1. Tester jig/Electrical test machine

NO.	PROCESS NAME	WORK PROCEDURE/ ILLUSTRATION	TOOLS/PPE	QUALITY POINTERS
3	<p>3</p> <p>Verification of GOOD Sample</p>	<p><b>INSERTION SEQUENCE GUIDE</b></p> <p><b>BEFORE INSERTION</b> <b>AFTER INSERTION</b></p> <p><b>BEFORE INSERTION</b> <b>AFTER INSERTION</b></p>	n/a	<p>1. No wrong facing of connector 2. No wrong insertion sequence</p>

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**PARTS:**

1. Assy parts

**JIG**

1. Tester jig/Electrical test machine

**NO.**

**PROCESS NAME**

**WORK PROCEDURE/ ILLUSTRATION**

**TOOLS/PPE**

**QUALITY POINTERS**

3

Verification of GOOD Sample  
(Continuation)

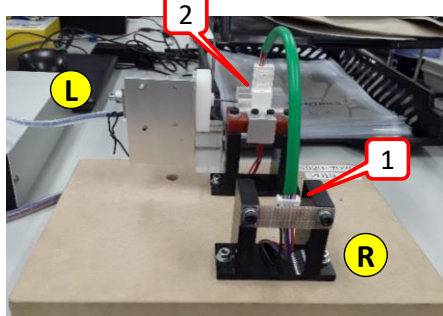


**GREEN LED: Light indicator for GOOD**

3. Check the machine judgement through **LED light** indicator.

*Note: If the GREEN LED turns on, this means that the machine judgement is verified correct.*

3



4. Remove the **GOOD Sample** using both hands and check the connector markings.

5. Get the parts from box subject for Electrical Test and follow Standard.

n/a



*Should have 3 dots marking appeared on the connector.*

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PARTS:		n/a	JIG	1. Tester jig/Electrical test machine
NO.	PROCESS NAME	WORK PROCEDURE/ ILLUSTRATION	TOOLS/PPE	QUALITY POINTERS
4	3 Disconnection of tester jig to electrical test machine	  <p>1. Switch off the PSW, Push downward to Turn-off the Machine.</p> <p>2. Loosen the screw type connector then pull it to un-plug from the machine.</p>  <p>3. Release the lock of Tester connector using left and right thumb and pull to un-plug from the machine.</p>  <p>4. Release the lock of Masster connector using left and right thumb and pull to un-plug from the machine.</p>	n/a	 <p><b>ELECTRICAL TEST MACHINE</b></p> <p>3 <b>NOTE:</b> <b>DO NOT FORGET TO POWER OFF THE MACHINE BEFORE DISCONNECTION.</b></p>

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