

MULTICAT CIRCULAR CONNECTOR – WIRE TO WIRE



3CKT

REVISION: A	ECR/ECN INFORMATION: EC No: 10812811 DATE: 12/20/2016	TITLE: APPLICATION SPECIFICATION FOR MULTICAT CIRCULAR CONNECTOR- WIRE TO WIRE	SHEET No. 1 of 15
DOCUMENT NUMBER: 2009140003-AS	CREATED / REVISED BY: MANOHAR	CHECKED BY: ISHWAR	APPROVED BY: KPRASAD

SCOPE

This specification covers the requirements for the application of MultiCat Circular wire to wire- 3CKT connector system.

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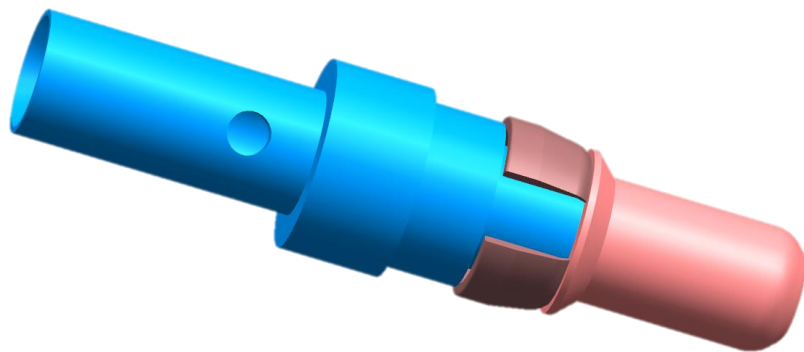
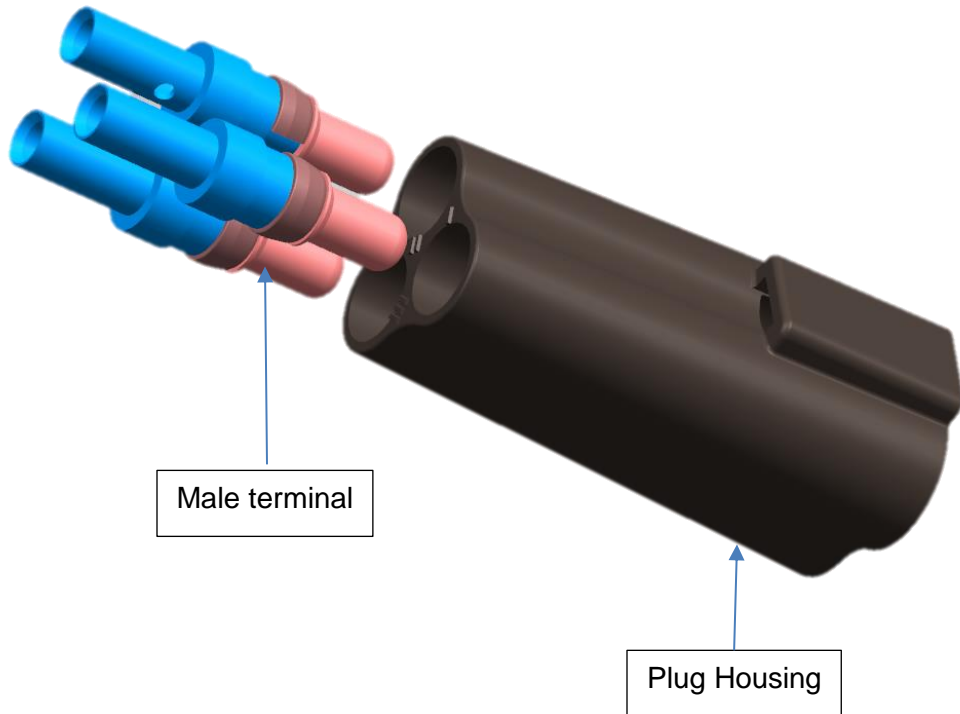
SECTION 1: PRODUCT INTRODUCTION

Product Description	Series number
Plug housing	200914
Receptacle housings	200915
Male Terminal	201845(10A-30A)
Female terminal	201846(10A-30A)

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SECTION 2: PRODUCT SUMMARY

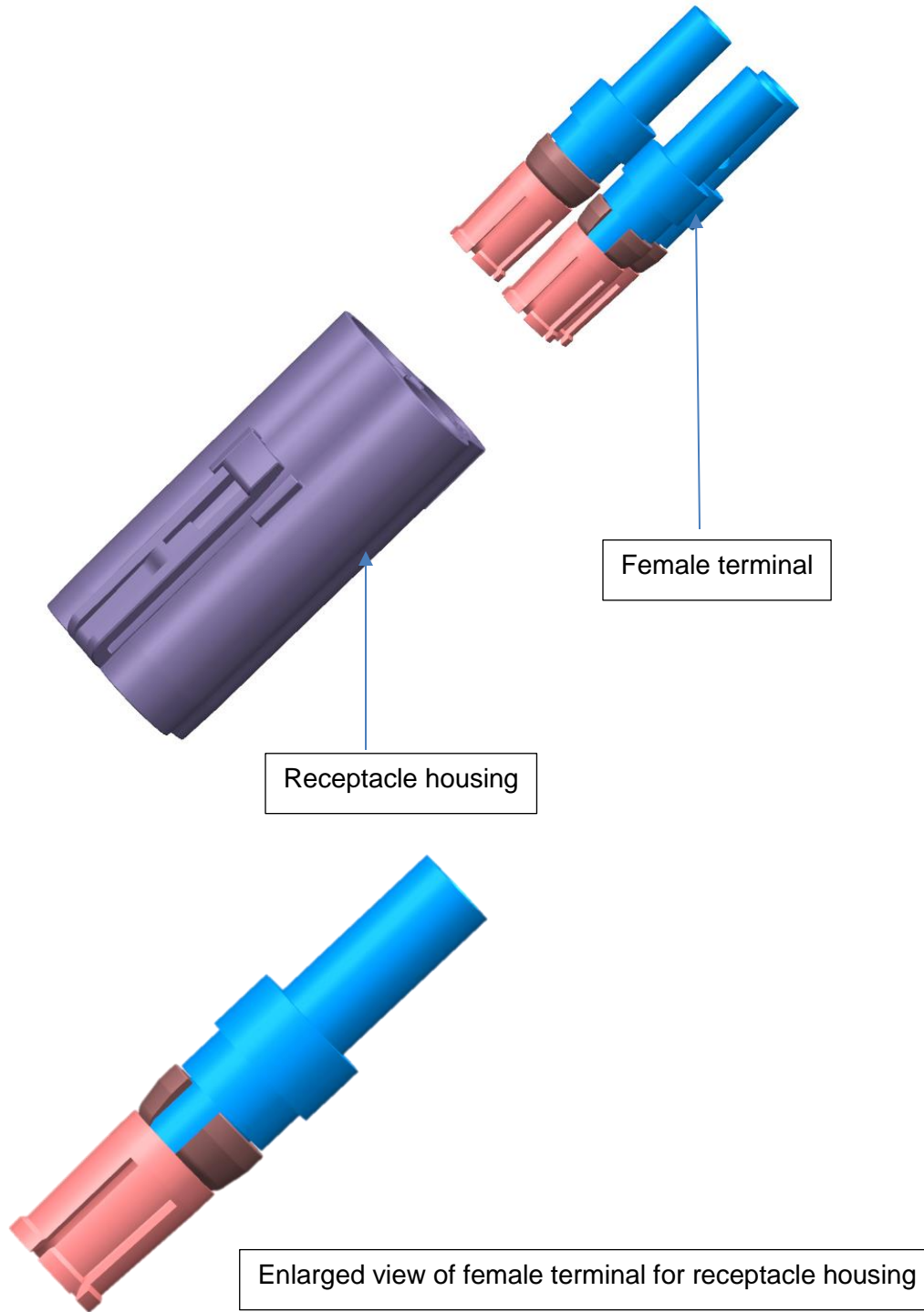
1. Plug Assembly details.



Enlarged view of male terminal for plug housing

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2. Receptacle Assembly details



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SECTION 3: Plug connector Assembly

Male Terminal Insertion

1. Hold the plug housing in left hand as shown in image 1.



Image 1

2. Hold male terminal in the same housing cavity axis in right hand as shown in image 2.
 - ◆ Recommended to hold the cable as shown in the image in order to avoid cable slip during terminal insertion.
 - ◆ No orientation is needed during terminal assembly in to housing (terminal can be inserted in 360degree direction)



Image 2

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3. Insert the terminal gently into the housing as shown in image 3.
 - ◆ Click sound will be heard when terminal is fully inserted into the housing slot.

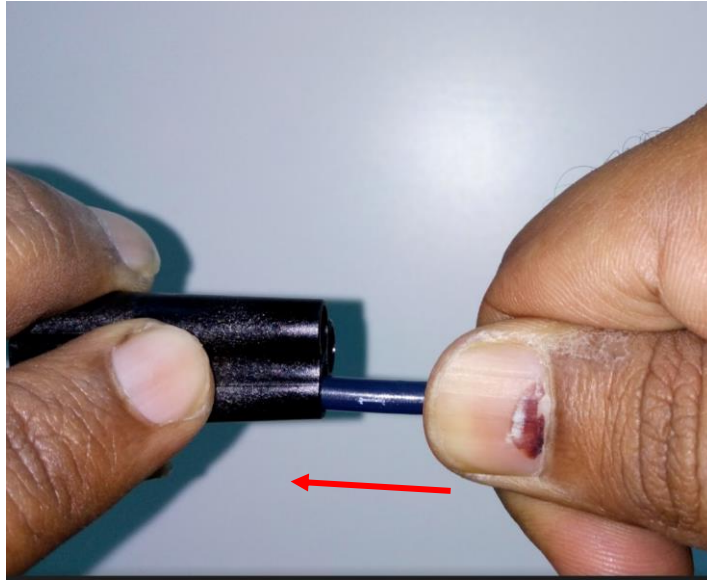


Image 3

4. Push the terminal into the housing cavity till the terminal reaches the dead end position in the housing.
Pull the terminal back gently to ensure that terminal is seated properly in the housing as shown in image 4.

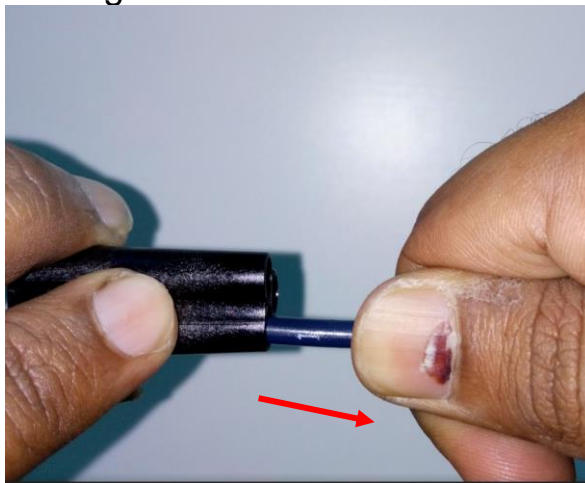


Image 4

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5. Insert male terminals into all 3 circuits and complete the insertion as shown in image 5.



Image 5

6. Reverse the assembled housing and carry out the visual inspection for terminal.

Section 4: Receptacle Connector Assembly

1. Hold the receptacle housing in the left hand as shown in image 6.
 - ◆ Don't press the receptacle latch



Image 6

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2. Hold Female terminal in the same housing cavity axis in right hand as shown in image 7.
 - ◆ Recommended to hold the cable as shown in the image in order to avoid cable slip.
 - ◆ No orientation is needed during terminal assembly in to housing (terminal can be inserted in 360degree direction)

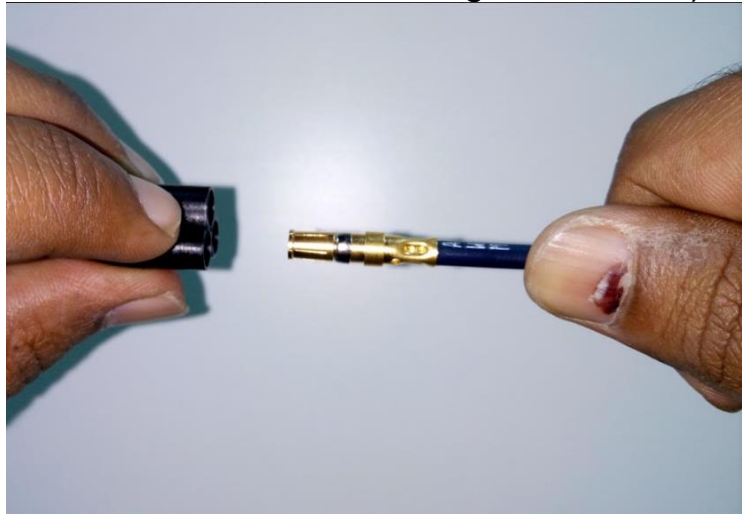


Image 7

3. Insert the terminal gently into the housing as shown in image 8.
 - ◆ Click sound will be heard when terminal is fully inserted into the housing slot.

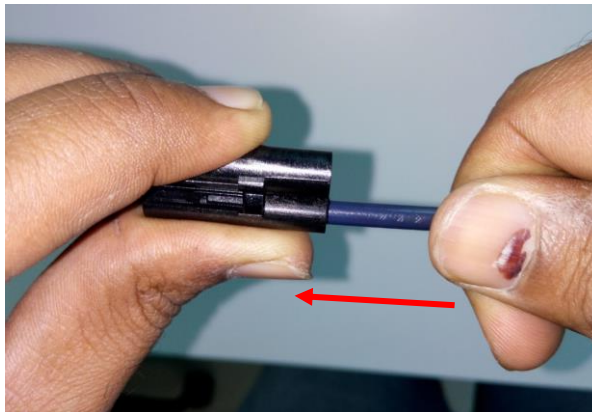


Image 8

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- Push the terminal into the housing cavity till the terminal reaches the dead end position in the housing.
Pull the terminal back gently to ensure that terminal is seated properly in the housing as shown in image9.

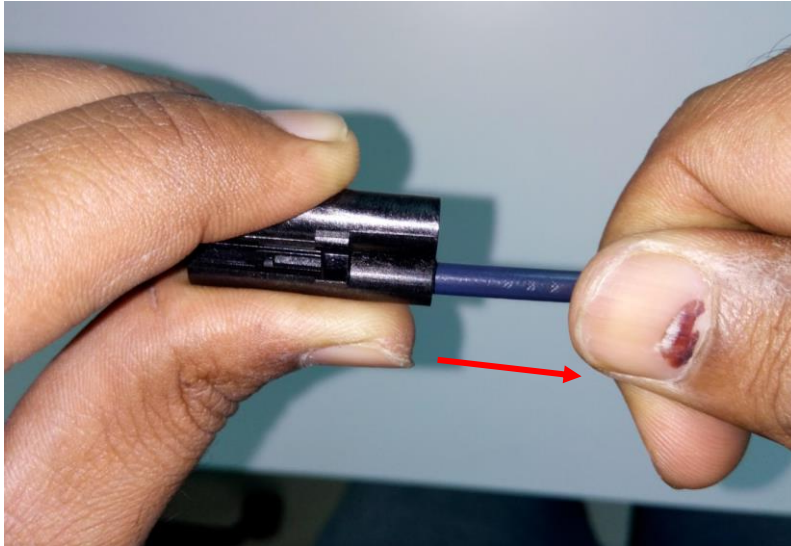


Image 9

- Insert Female terminals into all 3 circuits and complete the insertion as shown in image 10.



Image 10

- Reverse the assembled housing and carry out the visual inspection for terminal.

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Section 5: WTW Connector Assembly

1. Hold the plug connector assembly and receptacle connector assembly as shown in Image 11.

Align connector system latch features and begin mating process along the same axis.



Image 11

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- Press the receptacle housing until the latch locks (observe for “CLICK” sound) as per image 12 and 13.



Image 12



Image 13

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Section 6: Service instructions

A. Connector un-mate instructions

1. Press the latch lever on receptacle assembly to disengage the latch and pull the plug assembly as shown in image 14, 15 and 16.

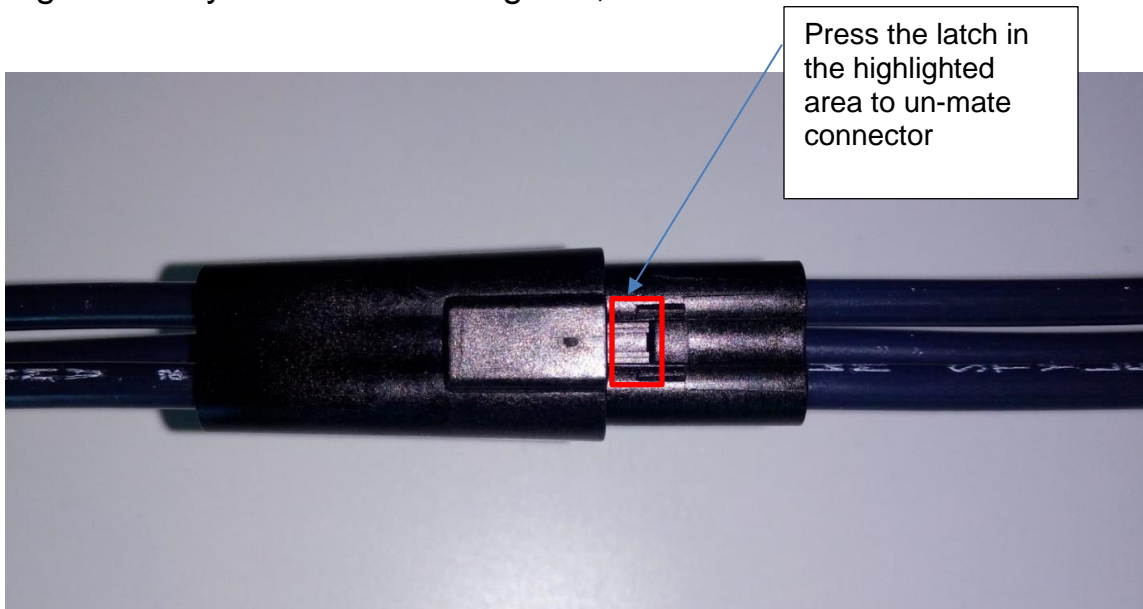


Image 14

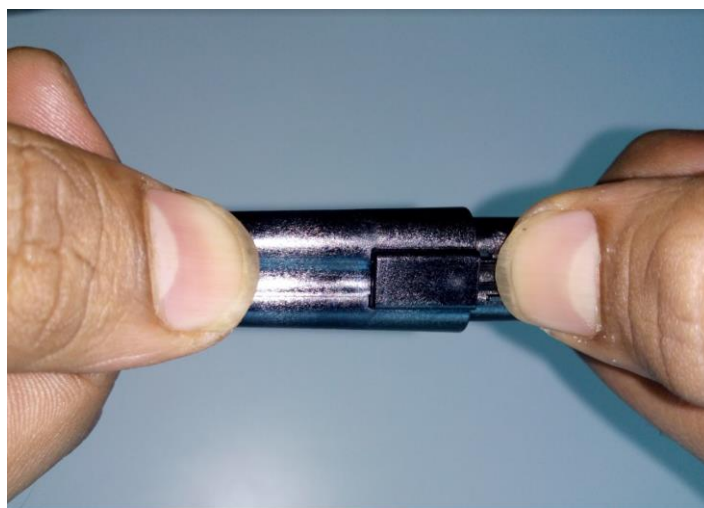


Image 15

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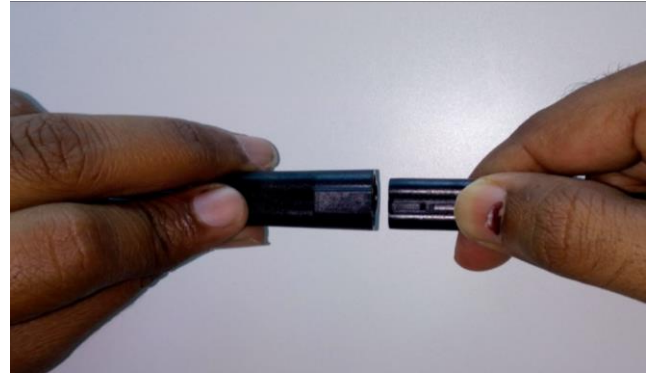
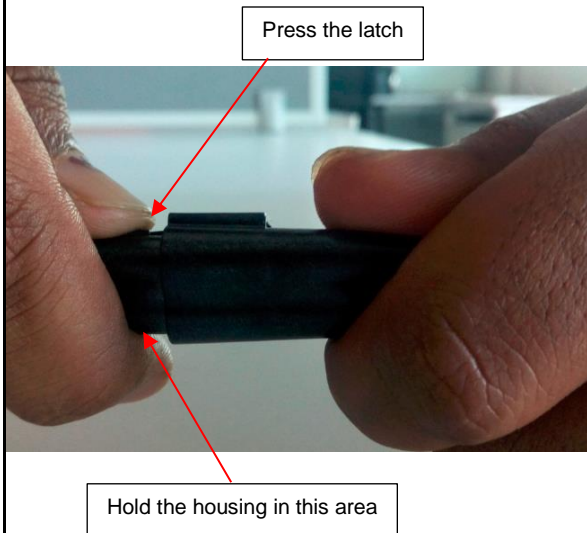


Image 16

B. Male Terminal removal

1. using the extractor tool # DRK38, insert the extractor tool into the male terminal to be serviced



Image 17



Image 18

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2. Push the extractor tool knob until knob contact with extractor tool main body to release Male terminal from plug housing cavity.



Image 19

C. Female Terminal removal

1. using the extractor tool # DRK38, insert the extractor tool into the Female terminal to be serviced.



Image 20

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1. Push the extractor tool knob until knob contact with extractor tool main body to release female terminal from receptacle housing cavity.



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