

BF-WI-ENG-013/02 Issue 03	Amphenol	IMPORTANT	RN/ECN	Issue	Page	Test
Printed 20 November 2024	PROCESS SPECIFICATION	Check you are using the latest issue of this form	RN 11895	1	1 of 3	

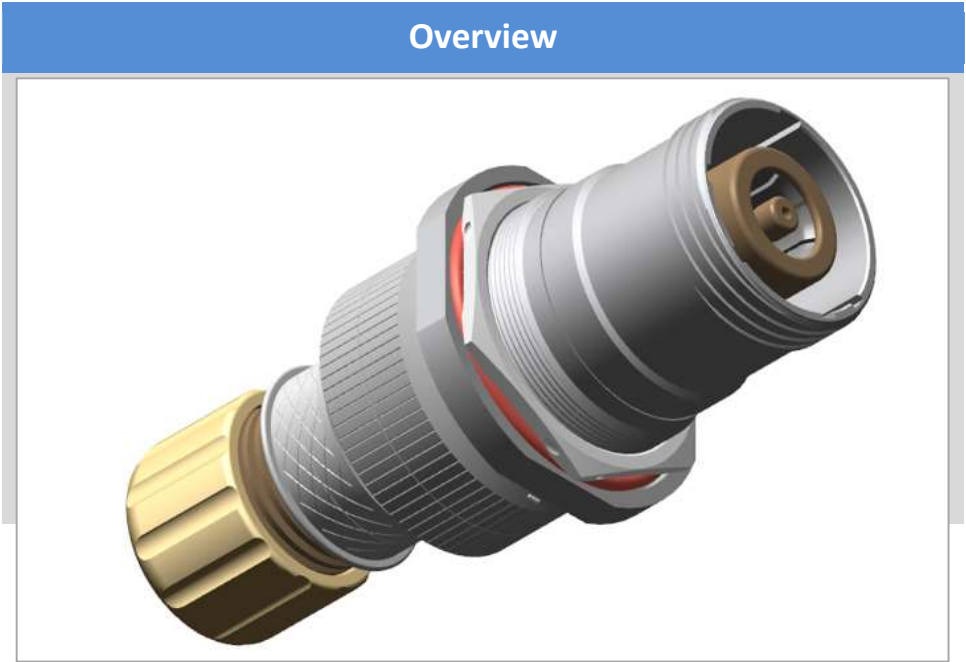
Document:	123GB-0953
Description:	Raptor receptacles assembly instruction

**** FOLLOW ALL LOCAL HEALTH AND SAFETY POLICIES ****

Scope
The scope of this document is to describe the customer assembly process for Raptor receptacle connectors.

Supporting documents	
Doc no	Doc name
123GB-0929	Raptor crimp instruction
123GB-0930	Raptor torque instruction

Document Traceability			
Issue No	RN/ECN no...	Date	Initials
1	RN 11895	25/07/2022	CIC



123GB-0953 – Raptor receptacles assembly instruction

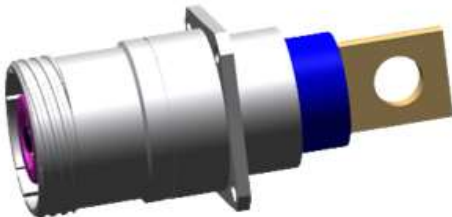
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RECEPTACLE style 00/07/17 option 0

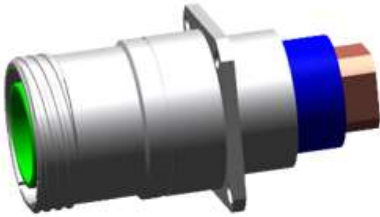
123GB-0953_Raptor receptacles assembly instruction



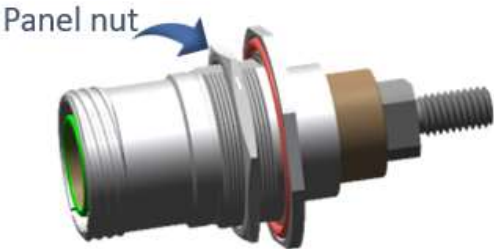
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RAP-00XXXX-2SXX0



RAP-00XXXX-3PXX0
RAP-00XXXX-3SXX0



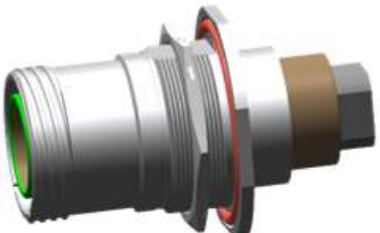
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RAP-07XXXX-2PXX0
RAP-07XXXX-2SXX0

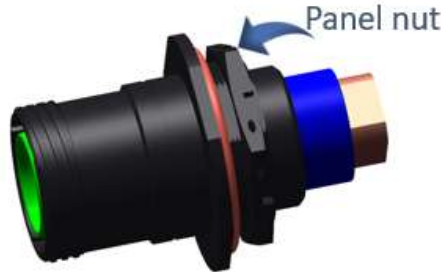


RAP-07XXXX-3PXX0
RAP-07XXXX-3SXX0



RAP-07XXXX-5PXX0
RAP-07XXXX-5SXX0

- ✓ Attach your cable termination directly onto the contact busbar style end
- ✓ Panel nut, where exists, to be torqued as per 123GB-0930



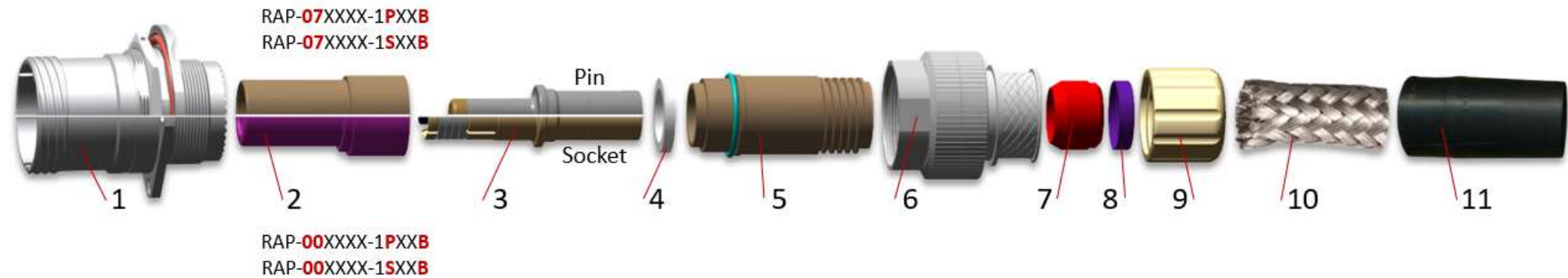
RAP-17XXXX-5PXX0 (W765)

Images for reference only, contact factory for more details

123GB-0953 – Raptor receptacles assembly instruction

RECEPTACLE style 00/07 option B

123GB-0953_Raptor receptacles assembly instruction



Connector items:

- 1. Receptacle shell-00/07
- 2. Front insulator
- 3. Contact (pin/socket)
- 4. Compress seal
- 5. Rear insulator
- 6. Straight backshell-B
- 7. Cable seal
- 8. Cable slip ring
- 9. Cable nut
- 10. Braid sock (supplied by customer)
- 11. H/s boot (supplied by customer)

For screened cable:

- ✓ Fit items 11/10 onto the cable outer jacket
- ✓ Strip outer jacket and trim braid to suit chosen screen termination method
- Note:** Specific cable diameters will require the outer jacket strip and braid trim lengths to be determined to allow crimping with components 9/8/7/6/5/4 fitted onto the cable
- ✓ Crimp contact (3) as per 123GB-0929
- ✓ Assemble connector as per sequence shown above
- ✓ Backshell (6) to be torqued as per 123GB-0930
- ✓ Cable nut (9) to be fully hand tightened until seal compresses onto cable jacket
- ✓ Braid sock (10) termination is recommended with band straps onto the cable and backshell
- ✓ Heatshrink boot (11) is then recovered over the screen termination and onto the cable outer jacket

For un-screened cable:

- ✓ Fit items 11/9/8/7/6/5/4 onto the cable
- ✓ Crimp contact (3) as per 123GB-0929
- ✓ Assemble connector as per sequence shown above
- ✓ Backshell (6) to be torqued as per 123GB-0930
- ✓ Cable nut (9) to be fully hand tightened until seal compresses onto cable jacket
- ✓ Heatshrink boot (11) is then recovered over the screen termination and onto the cable outer jacket

Images for reference only, contact factory for more details, items 10 and 11 are options only and dependant on customer final application

123GB-0953 – Raptor receptacles assembly instruction