

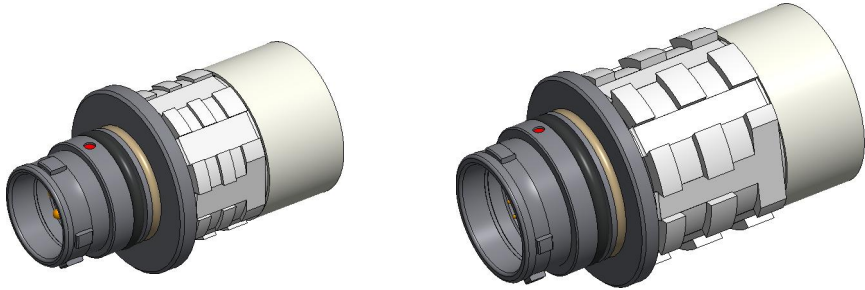
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# HIGH DENSITY NEXUS RANGER IN-LINE BREAK-AWAY PLUG



SIZE 0

SIZE 1

C

2

1

## SPECIFICATIONS

INGRESS RATING	IP68/1m IP69k WHEN MATED
OPERATING TEMPERATURE	-51°C TO 125°C
CORROSION RESISTANCE	96Hr SALT FOG
MECHANICAL ENDURANCE	5,000 MATING CYCLES
CONTACT RESISTANCE	PIN TO PIN - <10mOhm
	SHELL TO SHELL - <5mOhm
INSULATION RESISTANCE	>100MOhm
SHIELDING EFFECTIVENESS	>65dB
CONTACT MATERIAL	GOLD PLATED BRASS ALLOY

B

1

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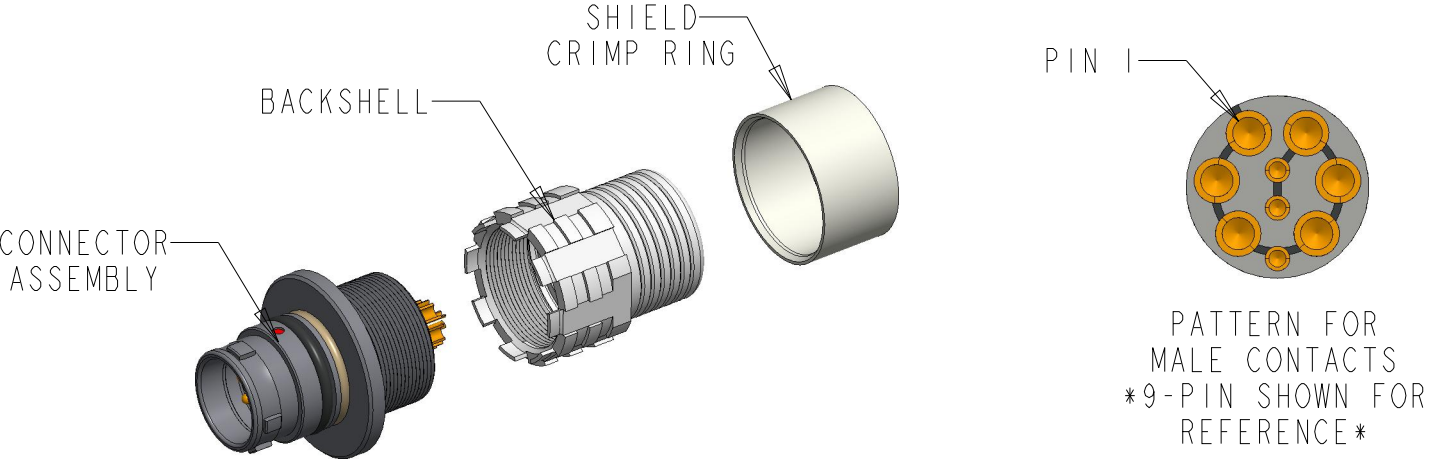
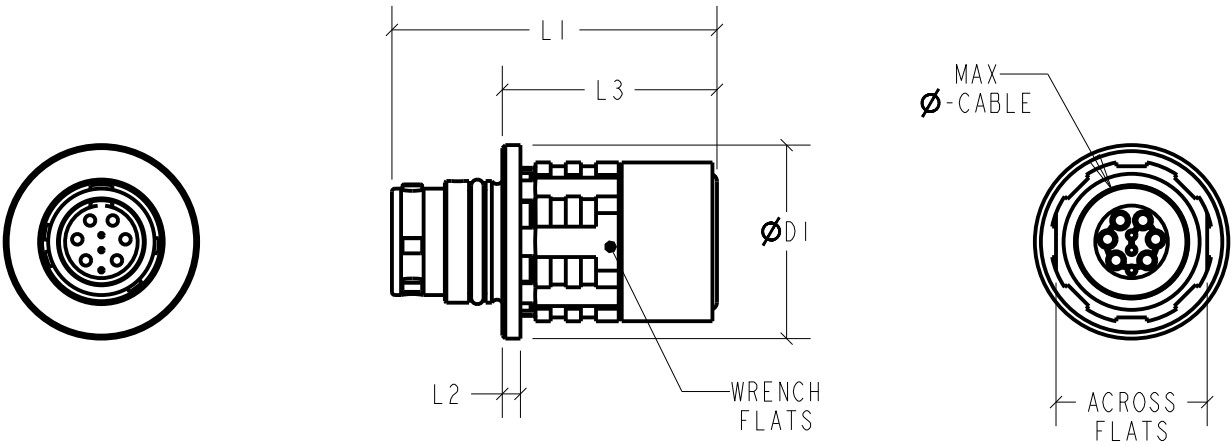
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## NOTES:

1. IN-LINE CONNECTOR IS DESIGNED TO BE ENCAPSULATED
2. BREAK-AWAY NON-LOCKING MATING
3. STANDARD PLATING IS CONDUCTIVE RUTHENIUM
4. SHIELD TERMINATED UNDER CRIMP BAND  
CRIMP EFFECTIVENESS DETERMINED BY TESTING TO ENSURE  
SHIELD TO SHELL CONTACT RESISTANCE IS ACHIEVED
5. THREAD LOCKER IS REQUIRED FOR ASSEMBLY
6. KEYING MUST MATCH MATING CONNECTOR

SIZE	L1	L2	L3	ØD1	AF-A	MAX Ø CABLE
0	.85" [21,5]	.05" [1,2]	.56" [14,2]	.50" [12,8]	.39" [10]	.27" [7]
1	1.15" [29,2]	.05" [1,2]	.72" [18,2]	.58" [14,8]	.47" [12]	.33" [8,5]



B

1

2

3

4

## KEYING CONFIGURATIONS

*PATTERN OF MALE CONNECTOR SHOWN AT CONTACT END*			
A - BROWN	B - RED	C - BLUE	D - GREEN

A

CUI

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				DWN. BY BAM	DATE 10/04/2023	MATERIAL	
				CHECKED BY	DATE	FINISH	
				APPR. BY	DATE	WEIGHT	SCALE = 2:1
				UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES &/OR [mm]		TITLE	
				TOLERANCES:		HIGH DENSITY RANGER BREAKAWAY INLINE PLUG	
A	NEW RELEASE	---	10/4/2023	DECIMAL	.XX[X,X] .XXX[X,XX]	DO NOT SCALE DWG. SHEET 1 OF 2	
LET.	REVISION	CN #	DATE	FRACTION	± X/XX" ± X°		
				CHK			

NEXUS  
STAMFORD, CONN

SIZE  
B

DWG. NO.  
NX-A1XW

PART NUMBER	SIZE	KEY	No. OF CONTACTS	CONTACT TYPE	CONTACT Ø (mm)	WIRE GAUGE AWG
NX-A10WAM-P09XMM0-0000	0	A - BROWN	09	SOLDER CUP	3x0,3mm 6x0,7mm	28 22
NX-A10WAM-P12XMM0-0000	0	A - BROWN	12	SOLDER CUP	10x0,3mm 2x0,7mm	28 22
NX-A10WAM-P16XBC0-0000	0	A - BROWN	16	SOLDER CUP	0,3mm	28
NX-A11WAM-P27XBC0-0000	1	A - BROWN	27	SOLDER CUP	0,3mm	28

DWN.BY BAM	DATE 10/04/2023	MATERIAL	
CHECKED BY	DATE	FINISH	
APPR.BY	DATE	WEIGHT	SCALE =
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES &/OR [mm] TOLERANCES:		TITLE HIGH DENSITY RANGER BREAKAWAY INLINE PLUG	
		DO NOT SCALE DWG. SHEET 2 OF 2	
DECIMAL	.XX[X,X] .XXX[X,XX]		
FRACTION	± X/XX"		
ANGLES	± X°		

NEXUS  
STAMFORD, CONN

SIZE  
B

DWG. NO.  
NX-A1XW



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