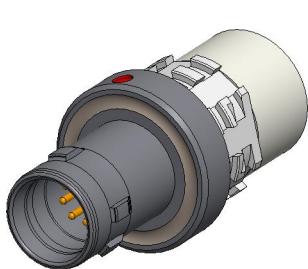
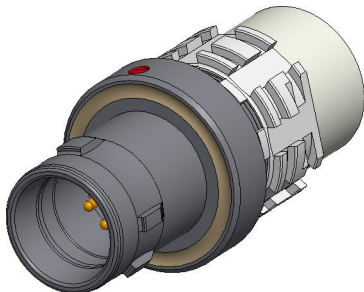


NEXUS RANGER
IN-LINE BREAK-AWAY PLUG



SIZE 0



SIZE 1

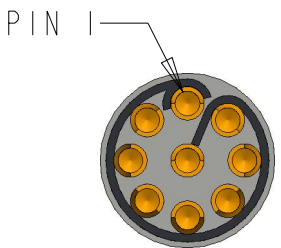
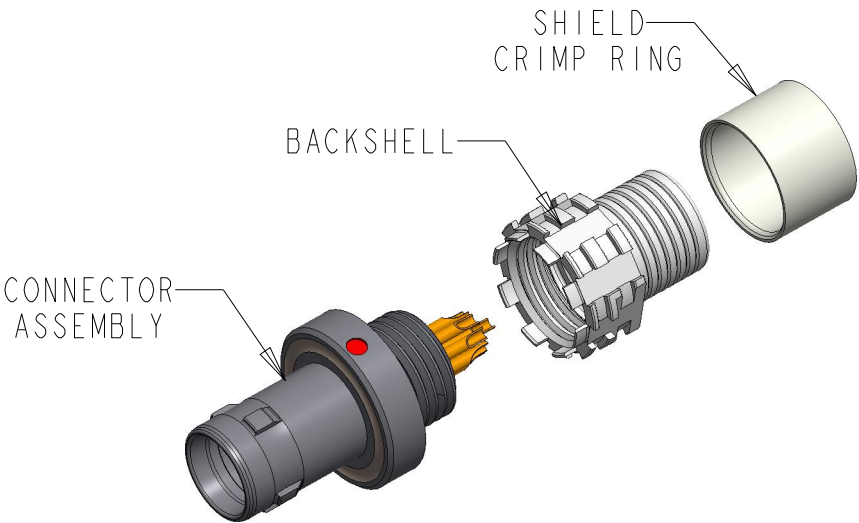
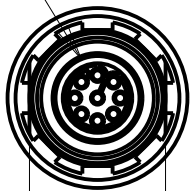
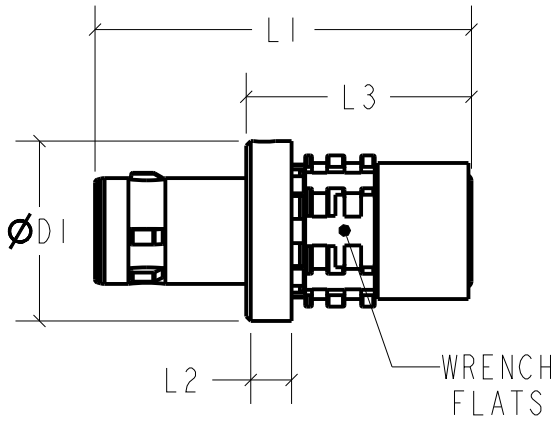
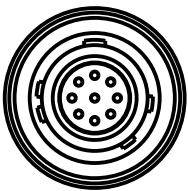
SPECIFICATIONS

INGRESS RATING	IP68/Im 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 - <5mOhm
	SHELL TO SHELL - <5mOhm
INSULATION RESISTANCE	>100MOhm
SHIELDING EFFECTIVENESS	>65dB
CONTACT MATERIAL	GOLD PLATED BRASS ALLOY

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	.98" [25,0]	.12" [3,0]	.59" [15,0]	.47" [11,9]	.35" [9,0]	.21" [5,5]
1	1.15" [29,2]	.14" [3,5]	.72" [18,4]	.53" [13,9]	.43" [11,0]	.25" [6,5]



PATTERN FOR
MALE CONTACTS
*9-PIN SHOWN FOR
REFERENCE*

KEYING CONFIGURATIONS

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



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DWN. BY BAM				DATE 10/05/2023		MATERIAL	
CHECKED BY				DATE		FINISH	
APPR. BY				DATE		WEIGHT	SCALE = 2:1
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES &/OR [mm]				TOLERANCES:		TITLE	
A NEW RELEASE				10/05/2023		RANGER BREAKAWAY INLINE PLUG	
LET. REVISION				CN #		DO NOT SCALE DWG. SHEET 1 OF 2	
DATE				CHK		SIZE B	
						DWG. NO. NX-AIX	

PART NUMBER	SIZE	KEY	No. OF CONTACTS	CONTACT TYPE	CONTACT Ø (mm)	WIRE GAUGE AWG
NX-A10YAR-P03XJG0-0000	0	A - BROWN	03	SOLDER CUP	0,9mm	22
NX-A10YAR-P04XFG0-0000	0	A - BROWN	04	SOLDER CUP	0,7mm	22
NX-A10YAR-P07XCD0-0000	0	A - BROWN	07	SOLDER CUP	0,5mm	26
NX-A10YAR-P09XCD0-0000	0	A - BROWN	09	SOLDER CUP	0,5mm	26
NX-A10YAR-P10XCD0-0000	0	A - BROWN	10	SOLDER CUP	0,5mm	26
NX-A11YAR-P05XJG0-0000	1	A - BROWN	05	SOLDER CUP	0,9mm	22
NX-A11YAR-P08XFG0-0000	1	A - BROWN	08	SOLDER CUP	0,7mm	22
NX-A11YAR-P14XCD0-0000	1	A - BROWN	14	SOLDER CUP	0,5mm	26
NX-A11YAR-P16XCD0-0000	1	A - BROWN	16	SOLDER CUP	0,5mm	26

DWN.BY BAM	DATE 10/05/2023	MATERIAL	
CHECKED BY	DATE	FINISH	
APPR.BY	DATE	WEIGHT	SCALE =
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES &/OR [mm] TOLERANCES:		TITLE	
DECIMAL	.XX[X,X] .XXX[X,XX]	RANGER BREAKAWAY INLINE PLUG	
FRACTION	± X/XX"	DO NOT SCALE DWG. SHEET 2 OF 2	
ANGLES	± X	SIZE B	
		DWG. NO. NX-A1X	

CUI

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