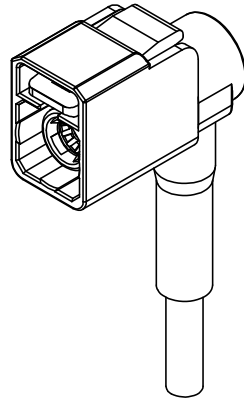
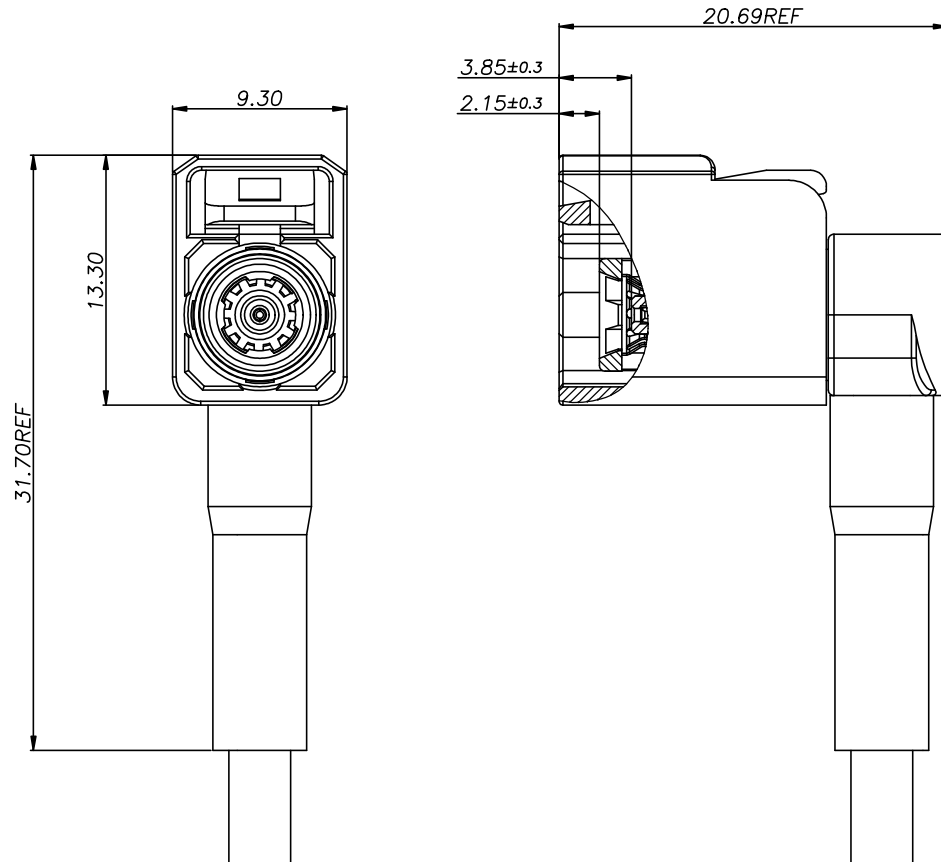


- NOTES:**
- Electrical:**
 - Impedance: 50Ω
 - Frequency: DC to 4GHz
 - Return loss:
 - ≥15.6dB, DC0-2.0GHz;
 - ≥14dB, DC2-4.0GHz;
 - Insulation resistance: ≥1X10⁹ MΩ
 - Center contact resistance : ≤15 mΩ
 - Outer contact resistance : ≤5 mΩ
 - Test voltage : 750 V rms
 - Working voltage : 335 V rms
 - Power current : ≤1 A DC
 - Mechanical:**
 - Mating cycles ≥10
 - Engagement force : ≤75 N
 - Disengagement force ≥2 N
 - Retention force latch : ≥110 N
 - Coding efficiency : ≥40 N
 - Environmental:**
 - Temperature range : -40°C to +105°C
 - Watertightness : IP67
 - RoHS



Mates with 302x00001 & 302x00005 series

ECN NO.	REV	DATE	DESCRIPTION	MDF'D	APP'D
	AO	2022. 11. 2	Initial version	LEo	JJW



11	Copper pipe	1	Brass	Nickel-plated bottom 50u"MIN
10	Insulator	1	PPOPA	Natural
9	Out Contact	1	BeCu	Nickel-plated bottom 100u"MIN, tin 100u"MIN
8	heat-shrinkable	1	PVC	Black
7	O-ring	1	silica gel	Green
6	Sealing ring	1	silica gel	Green
5	Shielding piece	1	SUS	Nickel-plated bottom 50u"MIN
4	insulator cap	1	PPOPA	Natural
3	Contact	1	copper alloy	Nickel-plated bottom 100u"MIN, contact gold-plated 3u"MIN, tin 100u"MIN
2	Body	1	Zinc	Copper bottom 400u"MIN, nickel bottom 80u"MIN, fogged tin 100u"MIN.
1	Housing	1	PPO	See table 1
NO	Part name	Number	Material	Plating / Color

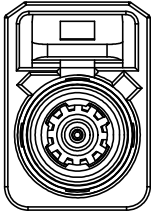
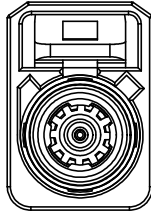
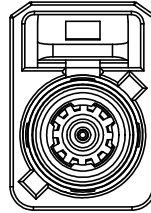
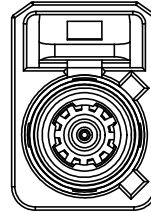
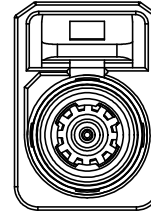
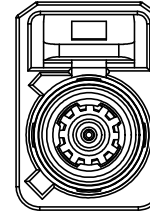
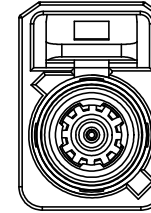
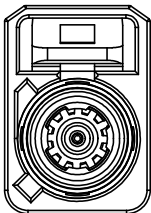
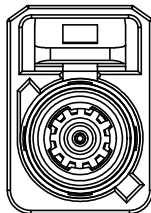
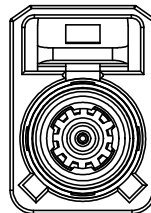
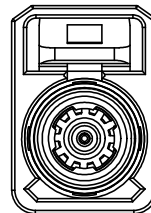
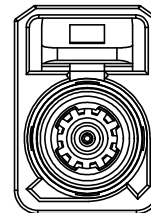
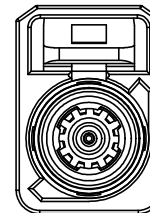
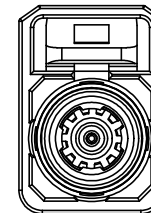
General Tolerance		Angle Tolerance
<0.5	±0.10	±1°
0.5-6	±0.15	
6-30	±0.20	
30-120	±0.30	
MATL: SEE-NOTES		Unless otherwise specified, dimensions are in metric and tolerances are


POWER DYNAMICS INC.		
145 Algonquin Parkway, Whippany, NJ 07981		
Phone: 1-973-560-0019	e-mail: sales@powerdynamics.com www.powerdynamics.com	
DESIGNER	LEo	TITLE: 1 pin Fakra 90 Plug
CHECKED	LEo	PARTS NO: 102x00007
APPROVAL	JJW	(UNIT): mm (SCALE): 1:1 (SHT): 1/2

CUSTOMER-DRAWING

8	7	6	5	4	3	2	1
ECN NO.		REV	DATE	DESCRIPTION		MDF'D	APP'D
		AO	2022. 11. 2	Initial version		LEo	JJW

CODING

Coding							
	A	B	C	D	E	F	G
Color/RAL	Black/9005	White/9001	Blue/5005	Bordeauxviolet/4004	Green/6002	Brown/8011	Grey/7031
DRAWING NUMBER	102A00007	102B00007	102C00007	102D00007	102E00007	102F00007	102G00007
Coding							
	H	I	K	L	M	N	Z
Color/RAL	Violet/4003	Beige/1001	Curry/1027	Carmine-Red/3002	Orange/2003	White-green/6019	Waterblue/5021
DRAWING NUMBER	102H00007	102I00007	102K00007	102L00007	102M00007	102N00007	102Z00007

General Tolerance		Angle Tolerance		POWER DYNAMICS INC.					
<0.5 ± 0.10 $0.5-6$ ± 0.15 $6-30$ ± 0.20 $30-120$ ± 0.30		$\pm 1^\circ$		145 Algonquin Parkway, Whippany, NJ 07981					
MATL: SEE-NOTES		Unless otherwise specified, dimensions are in metric and tolerances are		Phone: 1-973-560-0019		e-mail: sales@powerdynamics.com		www.powerdynamics.com	
CUSTOMER-DRAWING				DESIGNER	LEo	TITLE: 1 pin Fakra 90 Plug			
		CHECKED	LEo	PARTS NO:		102x00007			
		APPROVAL	JJW		(UNIT): mm	(SCALE): 1:1	(SHT): 2/2		