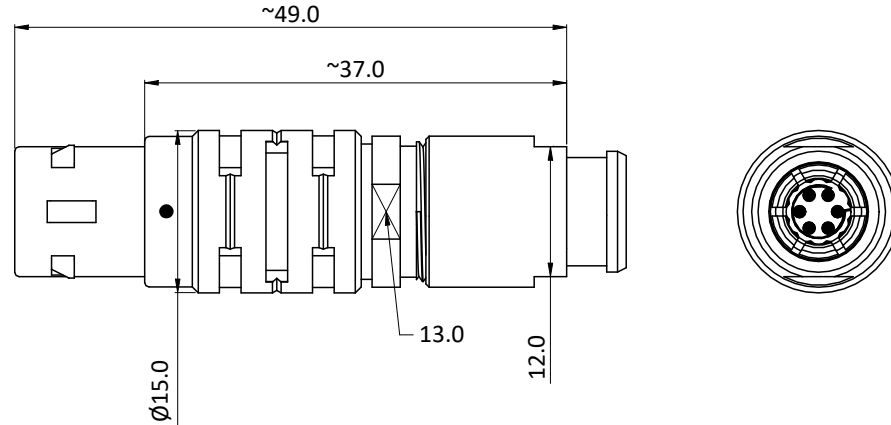


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CUSTOMER DRAWING
DRWC-XXXXXX

REV.	ECN NO.	DESCRIPTION	MDF'D	APP'D	DATE
01		INITIAL DESIGN	Philip	Richard	11/03/2023
02					
03					



NOTE:

- Material and finish**
Outer shell&Back nut: Copper alloy, Cr plating
Contact: Copper alloy, gold plating over Ni
Insulator: PEEK UL94 V-1
Other parts: Copper alloy, Ni plating
- Mechanical characteristics**
Insertion Force: 34.3N MAX.
Extraction Force: 34.3N MAX.
Back nut torque: 2.5 N·m MAX.
Endurance: 5000 mating cycles
Vibration: 10-2000Hz , 15g comply with EIA-364-28
Shock: 100g amplitude, half sine pulse of 6ms, no discontinuity > 1us EIA-364-27
- Electrical specifications**
Contact resistance: 8.7 mOhm MAX.
After 5000 Cycles: 10 mOhm MAX.
Insulation resistance: >100 Mohm
Rated current: 2PIN 25.0A (Per Pin) 3PIN 17.0A (Per Pin)
4PIN 15.0A (Per Pin) 5PIN 14.0A (Per Pin)
6PIN 12.0A (Per Pin) 7PIN 11.0A (Per Pin)
8PIN 10.0A (Per Pin) 10PIN 8.0A (Per Pin)
12PIN 7.0A (Per Pin) 14PIN 6.5A (Per Pin)
16PIN 6.0A (Per Pin) 18PIN 5.5A (Per Pin)
19PIN 5.0A (Per Pin) 26PIN 2.0A (Per Pin)
32PIN 1.5A (Per Pin)
- Characteristics**
Waterproof level: IP50 (Mating)
Operating temperature: -55°C ~ + 250°C
Corrosion resistance: 144 H salt mist, 5 % salt solution, 35°C
Humidity: 21 days at 95% RH
- Max wire size (AWG)** : #16 for 2pin #18 for 3pin
#20 for 4~7pin #22 for 8 &10pin
#24 for 12~19pin #28 for 26 & 32pin
- RoHS compliance**

Part NO: R - F 2 B S 1 0 0 2 D 1 0 7 2

Contact POS.
02-32=2PIN-32PIN

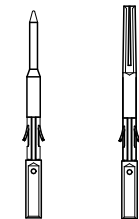
Shell material
0=Brass

Code	Contact type
2	Male solder contact
4	Female solder contact
C	Crimp male contact
M	Crimp female contact
1	Male Print Contact
3	Female Print Contact

Collet nut
1=Nut for fitting a bend relief

Cable OD	
21	OD:1.4mm-2.2mm
31	OD:2.2mm-3.2mm
42	OD:3.2mm-4.2mm
52	OD:4.2mm-5.2mm
62	OD:5.2mm-6.2mm
72	OD:6.2mm-7.2mm
82	OD:7.2mm-8.2mm
92	OD:8.2mm-9.2mm
99	OD:9.2mm-9.9mm

Code	Key angles
0	0°
A	30°
B	60°
..	..



Crimp contact

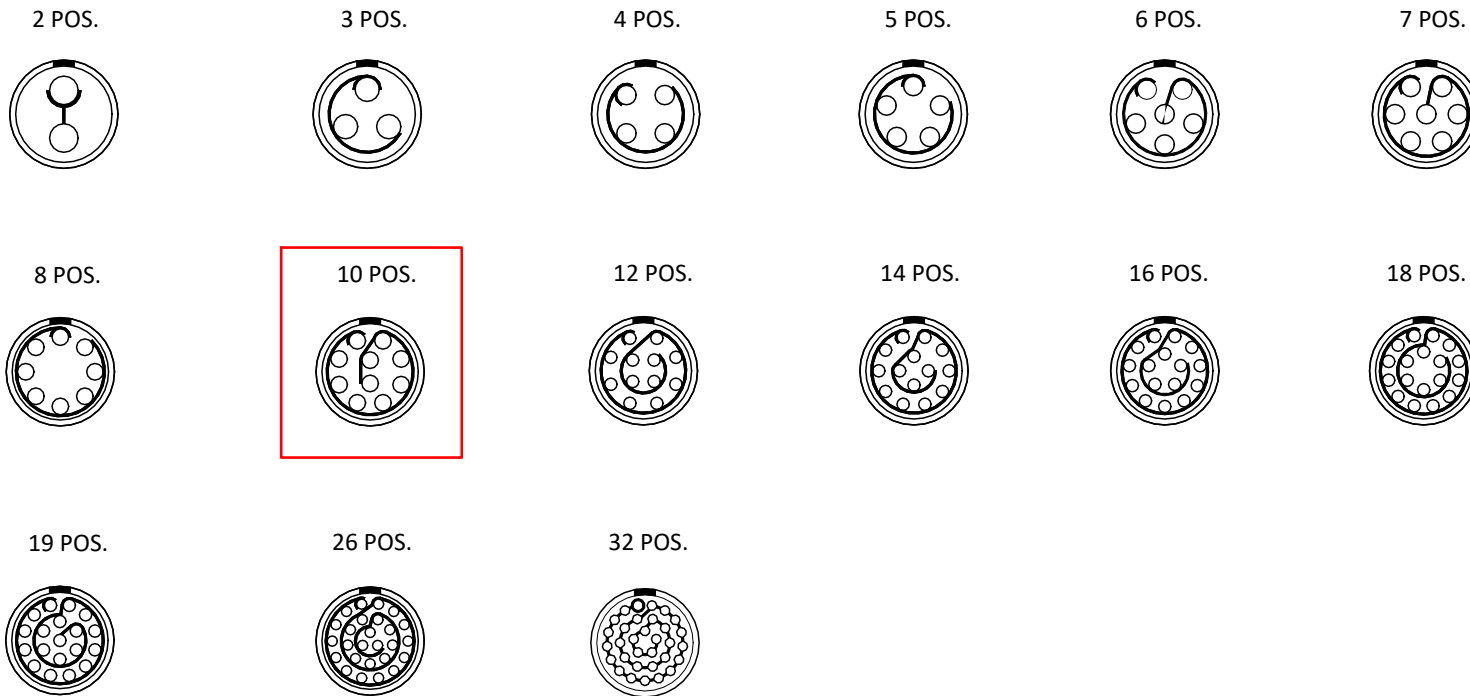
RoHS COMPLIANT	Unit:mm(inch)	PROJECTION	ZCables.com		PD./FILE NO.
	GENERAL TOLERANCES: (UNLESS SPECIFIED)	CH.K			
	0 =±1 (0.039)	Philip	TITLE	2B Metal Series, 10 Pin, Plug, Male Contact, Straight, Solder, Snap Latch, IP50(Mating) Connector	REV. 01
	0.0 =±.5 (0.02)	CH.K	SCALE		
0.00 =±.3 (0.012)	Philip	SIZE	PART NO.	SHEET 1 OF 3	
0.000=±.15(0.006)	APV.D	1:1	A4		
0° =± 2'	Richard		PZACF2BXA12101		
0.0° =± 1'					

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02					
03					

view from termination side pin part



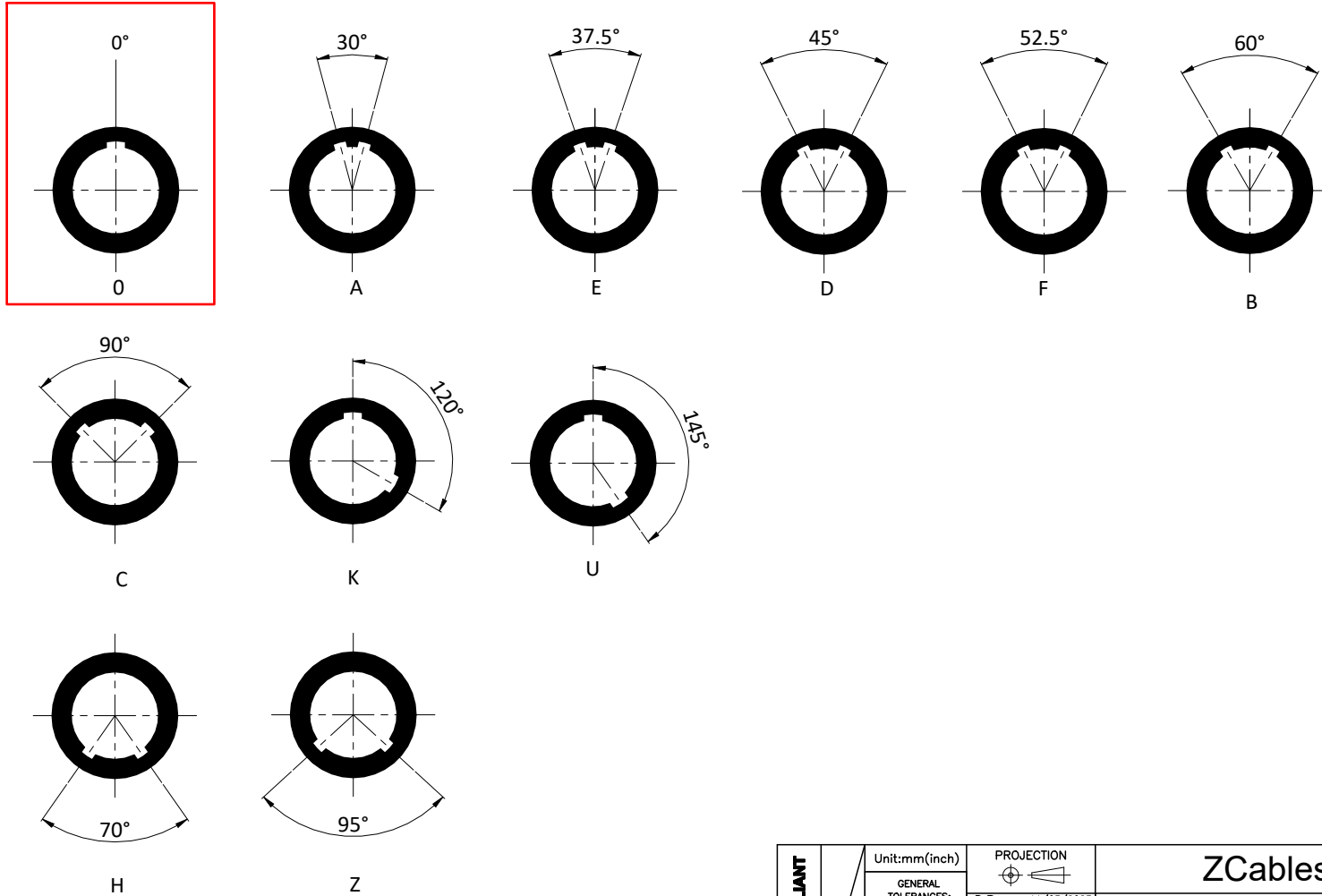
RoHS COMPLIANT	Unit:mm(inch)	PROJECTION 	ZCables.com		PD./FILE NO.
	GENERAL TOLERANCES: (UNLESS SPECIFIED)				
	0 =±1 (0.039)	D.R. 11/03/2023 Philip	2B Metal Series, 10 Pin, Plug, Male Contact, Straight, Solder, Snap Latch, IP50(Mating) Connector	REV. 01	
	0.0 =±.5 (0.02)	CH.K 11/03/2023 Philip			SCALE
0.000=±.15(0.006)	APV.D 11/03/2023 Richard	1:1	A4	PZACF2BXA12101	SHEET 2 OF 3
0° =± 2°					
0.0° =± 1°					

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01		INITIAL DESIGN	Philip	Richard	11/03/2023
02					
03					

KEY ANGLES (RECEPTACLE FRONT VIEW) :



RoHS COMPLIANT	Unit:mm(inch)	PROJECTION 	ZCables.com		
	GENERAL TOLERANCES: (UNLESS SPECIFIED)	D.R. 11/03/2023 Philip			TITLE 2B Metal Series, 10 Pin, Plug, Male Contact, Straight, Solder, Snap Latch, IP50(Mating) Connector
	0 =±1 (0.039)	CH.K 11/03/2023 Philip	SCALE	SIZE	REV. 01
	0.0 =±.5 (0.02)	APV.D 11/03/2023 Richard	1:1	A4	SHEET 3 OF 3
0.00 =±.3 (0.012)			PART NO.		
0.000 =±.15(0.006)			PZACF2BXA12101		
0° =± 2'					
0.0° =± 1'					