YAMAICHI ELECTRONICS

CIRCULAR PUSH-PULL CONNECTOR Y-CIRC P

Part Number	YCP-TWD09ACX-07FPCYX-000X	Order Number:	80-02040
Name	Wall mounted socket - backward mounting		

Connector Details

|	
Connector Type Digit	WD
Series	T (IP68)
Housing Surface	Chrome
Insulator Material	PEEK (UL)
Housing Material	Brass
O-Ring Material	FKM, black
Potting Material	----
Positioning Plate Mat.	----
RoHS	2011/65/EU (2015/863/EU)
Size	Size 09
Housing Variant	Standard
Insulator Variant	Standard
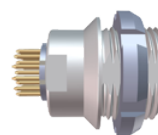
This picture is a schematic representation of the assembled connector and can change depending

Coding: A (1 key at 0°)

0°
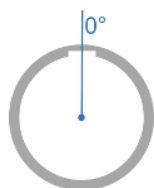
Panel Cut Out - Dimensions

No Accessory:		PC1
	A1=	8.3
	D2=	9.1
With YCP-AIW09...:		PC2
(Insulating Colour Coding Washer)		
	A1=	10.0
	D2=	10.9

$\varnothing$ D2 $^{+0.1}_{0}$

A1 $^{+0.1}_{0}$
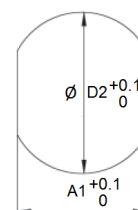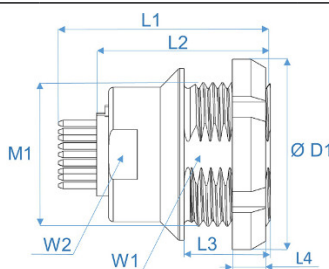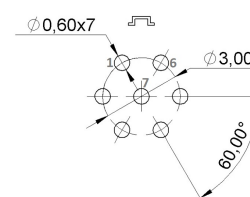
Parameters

IP Grade (to contact)	IP68	(According IEC 60529)
IP Grade (to housing)	IP50	(According IEC 60529)
Mating Cycles	5000	(According DIN EN 60512-9-1)
Max. operating temperature	+120°C	(According MIL-STD 810F, Method 501.4; 74 hours)
Min. operating temperature	-20°C	(According MIL-STD 810F, Method 502.4; 16 hours)
Short Term Max. Temp	+200°C	(According J-STD-002D/ J-STD-020D)
Vibration	20 g [10 Hz - 2000 Hz]	(According DIN EN 60512-6-4)
Shock Resistance	50 g [6 ms]	(According DIN EN 60512-6-3)
Salt Spray Corrosion	>144 h	(According DIN EN 60512-11-6)
Shielding (10 MHz)	>75dB	
Shielding (1 GHz)	>55dB	

Dimensions [mm]

D1=	12.5	**L1=**	20.0	**W1=**	8.2
		L2=	16.0	**W2=**	8.0
		L3=	9.0		
		L4=	2.5		
		M1=	M9x0.6		

L1, L2, M1, W2, W1, L3, L4, Ø D1

Rec. PCB layout (Top view)

Ø 0,60x7   Ø 3,00   60,00°

Contact

Pin Count	7 Pins
Contact Diameter	0.5 mm
Terminal Print Diameter	Ø 0.5 mm
Current Rating [A]	2.5 (for ambient temp. + temp. rise < max. operating temp.)
	Max current rating depends in most cases on the conductor or PCB dimensions;
	Caution: Do not disconnect under load.
Contact Type	Female: Print Contacts
Contact Material and Surface	CuZn38Pb2; min 0.75µm Au
Grounding Material and Surface	----; ----
Test Voltage [kV rms] Contact-Contact	1.20
Test Voltage [kV rms] Contact-Shell	0.96
Contact Resistance	<9.5mΩ

Pin Layout (Terminal View)

6 1
7

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Specifications and drawings are subject to alteration without prior notice

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