iWSeries

2.54mm (0.100") Pitch — Vertical



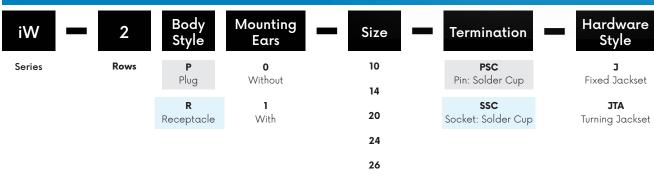
Solder Cup Cable Connectors

The iWSeries connector family is a 2-row high reliability connector solution with a pitch of 2.54 millimeters (0.100"). Available with 10 to 30 contacts and rated up to 5A per contact make it versatile for either signal or power applications. The connectors can also be customized to address unique design requirements.

- Current rating up to 5A per contact
- High vibration and shock resistant
- Withstands extreme temperatures of -65°C to +125°C
- Accepts wire sizes up to AWG 22 (0.34 mm²)
- Selectively plated, cost efficient for Industrial applications
- Highly reliable connection for demanding applications



Part Number Builder



Technical Information

Material Specifications

Insulator Material:

Glass-filled PPS (polyphenylene sulfide)

Insulator Color: White

Material (Contacts): Pins: copper alloy

Sockets: beryllium copper

Terminal Material: Copper alloy

Plating (Contacts):

Minimum 15 μ in Au over 30 μ in Ni

Hardware: Stainless steel

Electromechanical Performance

30

Rated Current: 5A per contact $\label{eq:Durability:} \textbf{Durability:} \geq 250 \text{ mating cycles}$ $\label{eq:Durability:} \textbf{Test Voltage:} 1,\!000 \text{ V AC for 1 minute}$ $\label{eq:Durability:} \textbf{Insulation Resistance:} 5 \text{ } G\Omega \text{ min.}$

Insertion Force (Max): 4 oz. (1.1N) per contact

Withdrawal Force (Min.): 0.5 oz. (0.14N) per contact

Contact Resistance: $5 \text{ m}\Omega$ max.

Environmental Specifications

Operating Temperature: -65° to +125°C

Vibration: 10Hz to 2,000Hz, 1.52mm, 147.1m/s2
(15G), duration 12h

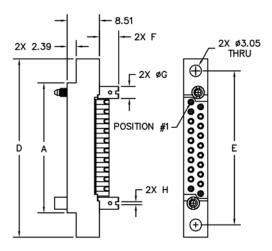
RoHS: Compliant

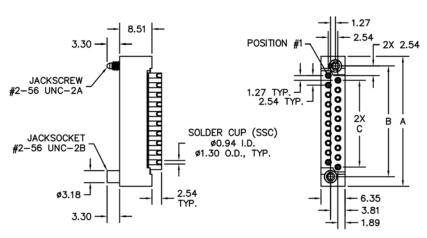
Series

BASED ON MIL-SPEC. BUILT FOR INDUSTRIAL.

iWSeries





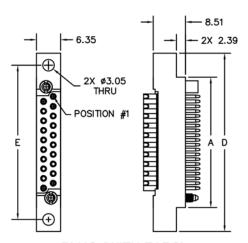


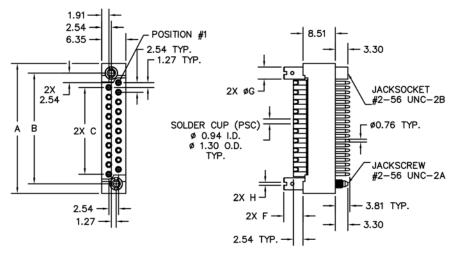
RECEPTACLE (WITH EARS) (IW-2R1-20-SSC-JTA)

RECEPTACLE (WITHOUT EARS) (IW-2R0-20-SSC-J)

	DIMENSIONS				
SIZE	Α	В	С	D	E
10	21.59	16.51	10.16	34.29	27.94
14	26.67	21.59	15.24	39.37	33.02
20	34.29	29.21	22.86	46.99	40.64
24	39.37	34.29	27.94	52.07	45.72
26	41.91	36.83	30.48	54.61	48.26
30	46.99	41.91	35.56	59.69	53.34

	DIMENSIONS		
HARDWARE	F	ØG	Н
– J	N/A	N/A	N/A
-JTA	5.08	ø3.18	SLOT 0.79 X 0.79





PLUG (WITH EARS) (IW-2P1-20-PSC-J)

PLUG (WITHOUT EARS) (IW-2P0-20-PSC-JTA)

	DIMENSIONS				
SIZE	Α	В	С	D	Ε
10	21.59	16.51	10.16	34.29	27.94
14	26.67	21.59	15.24	39.37	33.02
20	34.29	29.21	22.86	46.99	40.64
24	39.37	34.29	27.94	52.07	45.72
26	41.91	36.83	30.48	54.61	48.26
30	46.99	41.91	35.56	59.69	53.34

	DIMENSIONS			
HARDWARE	F	øG	Н	
− J	N/A	N/A	N/A	
-JTA	5.08	ø3.18	SLOT 0.79 X 0.79	

All dimensions in millimeters.