iVSeries 2.54mm (0.100") Pitch — Vertical



SSC

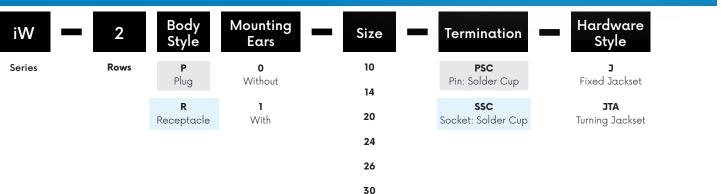
PSC

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 µin Au over 30 µin Ni

Hardware: Stainless steel

Electromechanical Performance

Rated Current: 5A per contact

Durability: ≥ 250 mating cycles Test Voltage: 1,000 V AC for 1 minute

Insulation Resistance: 5 G Ω min.

Contact Resistance: 5 mΩ max.

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

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

Environmental Specifications

LILLILLI

Operating Temperature: -65° to +125°C

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

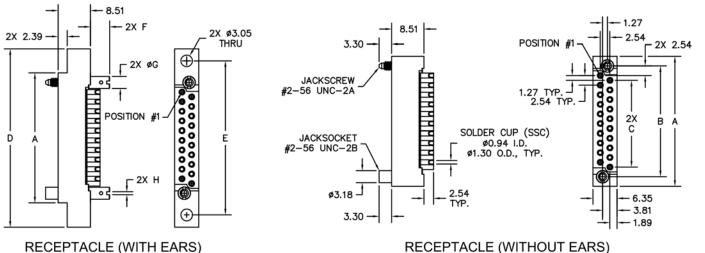
RoHS: Compliant



www.airborn.com/markets/industrial



iWSeries



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

	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		

(IW-2R0-20-SSC-J)

