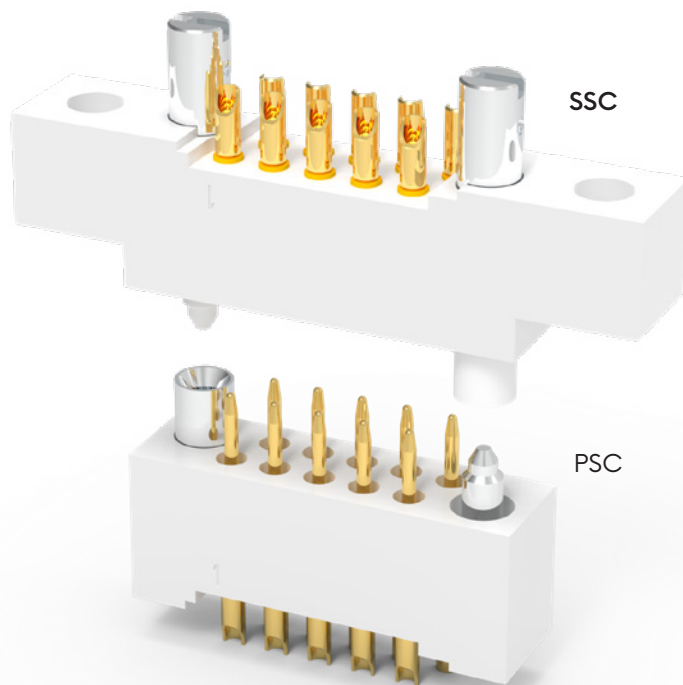


Solder Cup Cable Connectors

The iW Series 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

iW	—	2	Body Style	Mounting Ears	—	Size	—	Termination	—	Hardware Style
Series		Rows	P Plug	0 Without		10		PSC Pin: Solder Cup		J Fixed Jacketset
			R Receptacle	1 With		14		SSC Socket: Solder Cup		JTA Turning Jacketset
						20				
						24				
						26				
						30				

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 GΩ min.

Contact Resistance: 5 mΩ max.

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

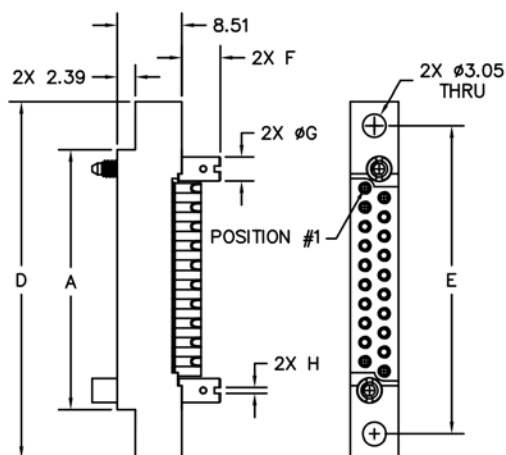
Withdrawal Force (Min.):
0.5 oz. (0.14N) per contact

Environmental Specifications

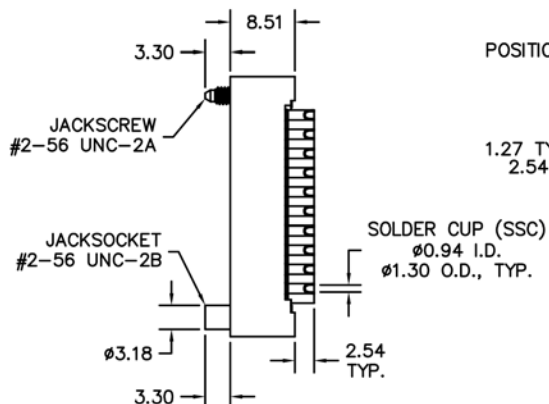
Operating Temperature: -65° to +125°C

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

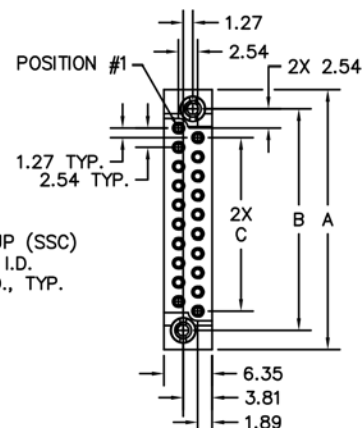
RoHS: Compliant



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

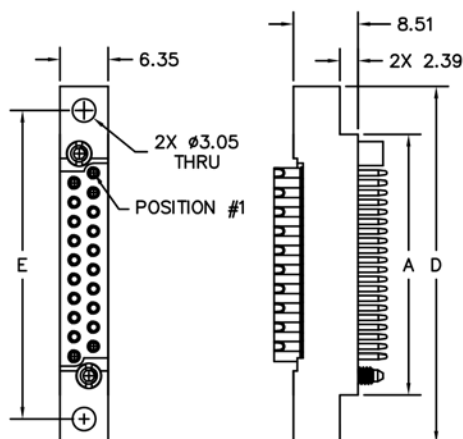


RECEPTACLE (WITHOUT EARS)
(IW-2R0-20-SSC-J)

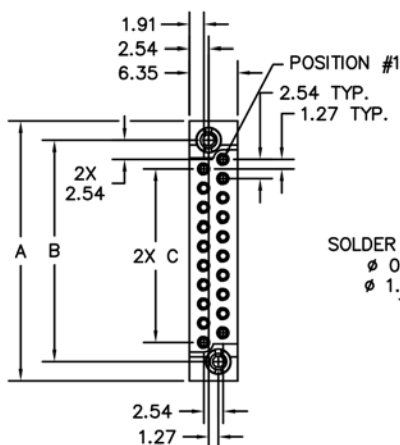


	DIMENSIONS				
SIZE	A	B	C	D	E
10	21.59	16.51	10.16	34.29	27.94
14	26.67	21.59	15.24	39.37	33.02
20	34.29	29.21	22.86	46.99	40.64
24	39.37	34.29	27.94	52.07	45.72
26	41.91	36.83	30.48	54.61	48.26
30	46.99	41.91	35.56	59.69	53.34

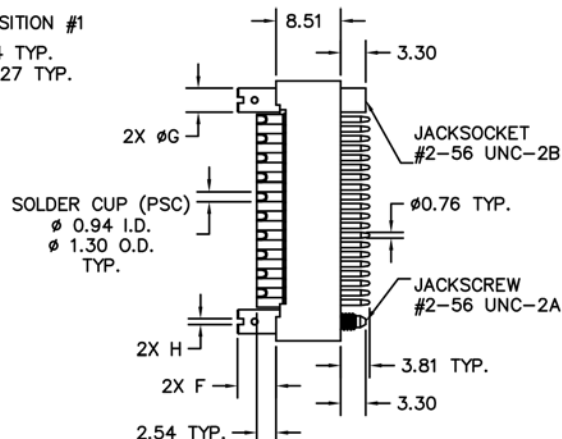
	DIMENSIONS		
HARDWARE	F	ØG	H
-J	N/A	N/A	N/A
-JTA	5.08	Ø3.18	SLOT 0.79 X 0.79



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



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



	DIMENSIONS				
SIZE	A	B	C	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	H
-J	N/A	N/A	N/A
-JTA	5.08	Ø3.18	SLOT 0.79 X 0.79

All dimensions
in millimeters.

IWSCDS 3.23