

921TM
SERIES

SUPER ITS

Glenair[®]



HIGHER POWER, SMALLER SIZE

Super ITS - 921

Ultra high-performance reverse-bayonet power connectors

Reverse-bayonet derivatives of M5015 / VG95234 threaded connectors have long been preferred for their rapid mating and rugged resistance to vibration and shock in harsh-environment applications such as military vehicles and missile batteries. Now Glenair introduces an ultra high-performance version of the reverse-bayonet M5015 / VG95234 power connector called the Super ITS - 921. This series is designed for high-ampacity applications where low insertion force LouverBand type contacts, mechanical contact retention, broad temperature tolerance, reduced size, and superior connector and wire sealing is required.

Super ITS - 921 is reduced-size, environmentally-sealed (IP69K) connector, incorporating familiar MIL-5015 contact insert arrangements. Unlike conventional 5015-type connectors designed for industrial and rail applications, the Super ITS - 921 offers uncompromised electrical, mechanical, and environmental performance features such as precision-machined aluminum alloy or stainless steel shells with 2000 mating cycle lifespan, rigid thermoset two-piece insulators, and machined, highly conductive copper alloy LouverBand contacts. Designed for extreme harsh environments such as are found in military defense applications, the Super ITS - 921 delivers contact and wire support from #16 to 2/0 and 1 mmq - 70 mmq respectively (contact genders are also reversible between plugs and receptacles). With improved working voltage up to 350 amps, and a max working voltage of 2450 VCC / 1750 VCA, the Super ITS - 921 represents the ultimate in mission-critical power interconnection.

- Super ITS-921 is a high-ampacity reverse-bayonet connector with reduced size compared to standard M5015
- Low insertion force, high-ampacity front-release LouverBand contacts
- Precision-machined thermoset insulator with internal contact retention clips
- Precision-machined shells with polarization keys to prevent mis-mating
- Interfacial and individual wire sealing for IP67 performance
- Broad operating temperature range: -65° to +180°C
- 2000-cycle reduced insertion-force mating

SUPER ITS: HARSH ENVIRONMENT

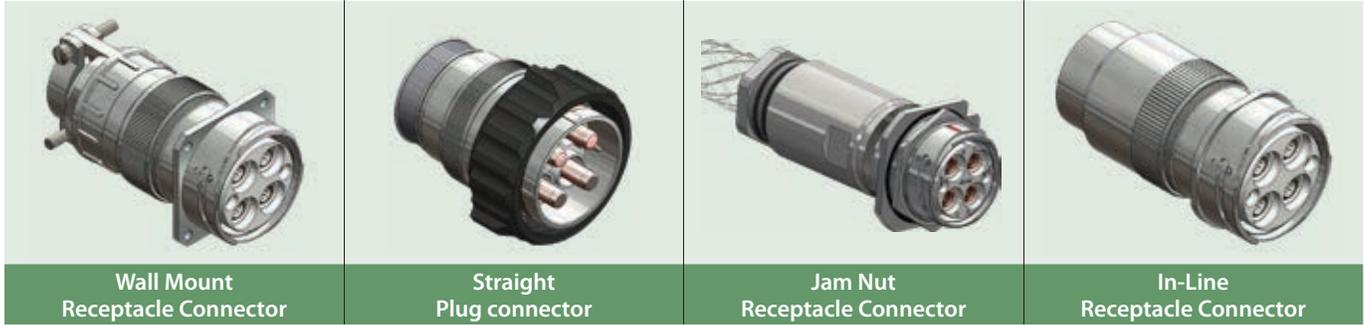
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ADVANCED PERFORMANCE
**Super ITS-921 Reverse-Bayonet
 Rigid Insert, High-Ampacity Connectors**
 Series Overview



SUPER ITS - 921 CONNECTOR SELECTION GUIDE



LOUVERBAND CONTACT PAIR CURRENT RATING AND RESISTANCE



Contact Size	Wire Size	Current Rating at 20° C (Amperes)	Current Rating at 80° C (Amperes)	Max. Contact Resistance (milliohms)
16	16	25	15	6.0
	20	10	9	
12	12	50	28	3.0
	14	40	20	
8	8	90	70	1.0
	10	70	55	
4	4	160	130	0.5
	6	120	105	
1/0	1/0	300	250	0.3
	2/0	330	280	

PERFORMANCE COMPARISON: STANDARD ITS VS. SUPER ITS - 921



Performance Feature	ITS	Super ITS - 921
Mating Cycles	500	2000
Mating Face Sealing	Front O-Ring	Sealing O-Ring
Polarization Key	No	Yes
Power Contacts	Copper Alloy	LouverBand Higher Ampacity. L.i.f.
Insert	Rubber	High Temp/Rigid Insert + Internal Clip
Grommet	Rubber	Individual Contact Seal (Silicon)
Hard Anodization	No	Yes
Temperature Range	-55° – +125°C	-65° – +180°C
Working Voltage	MIL-C-5015	MIL-C-5015. EN50124. VDE 0110-1

SUPER ITS: HARSH ENVIRONMENT

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