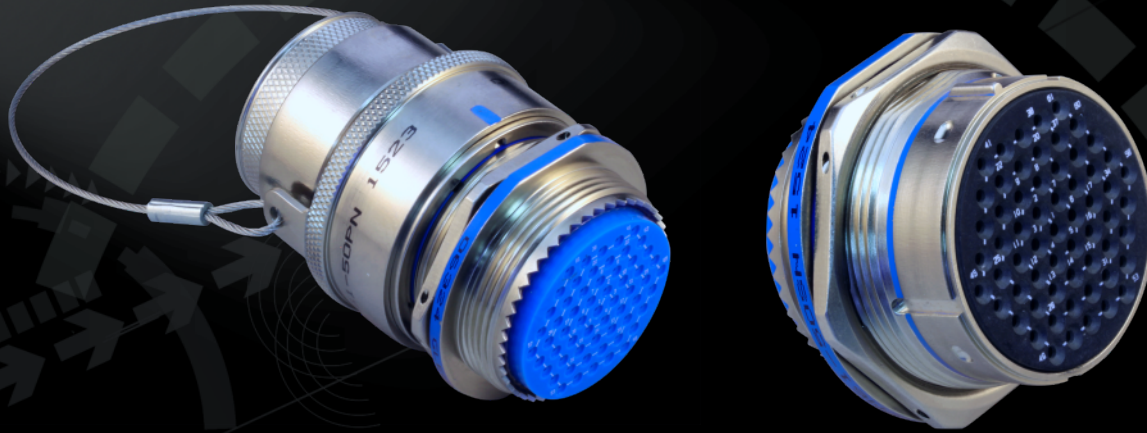


The widest range of  
mission-critical interconnect  
technologies in the world



**SAE / AS81703 Series 3 Type Connectors**  
High shock and vibration quick-release

# SAE-AS81703 Series 3 Type

**Intermateable and intermountable with available AS81703 commercial and mil-spec connectors**

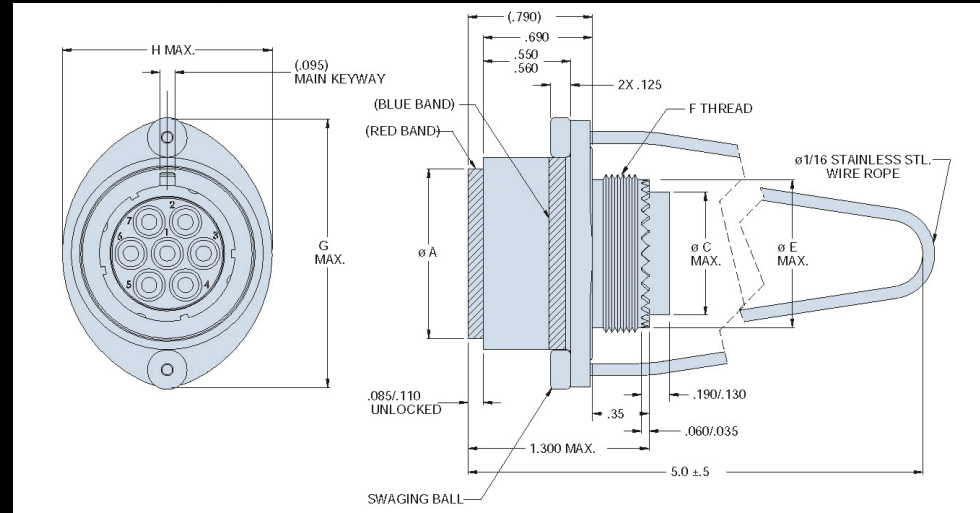
- Designed for rugged vibration and shock, applications including droppable stores, umbilical connect, rocket launch, space telescope deployment and rack-and-panel research equipment
- Signal and power insert arrangements
- High-speed shielded Coax, Twinax and Quadrax



# SAE / AS81703 Series 3 Type Connectors

## Enhanced features

- Integrated band porch option for shield termination
- 360° saw teeth for rear-end accessory clocking
- Red full-mate indicator stripe



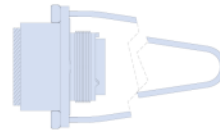
# SAE / AS81703 Series 3 Type Connectors

## Connector offerings

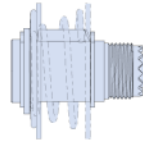
- Straight plug
- Lanyard-release plug
- Rack-and-panel plug
- Wall-mount receptacle
- Jam-nut receptacle



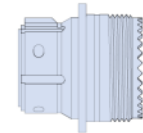
253-020-06  
Straight plug



253-020-08  
Lanyard-release plug



253-020-09  
Rack-and-panel plug



253-020-00  
Wall-mount receptacle



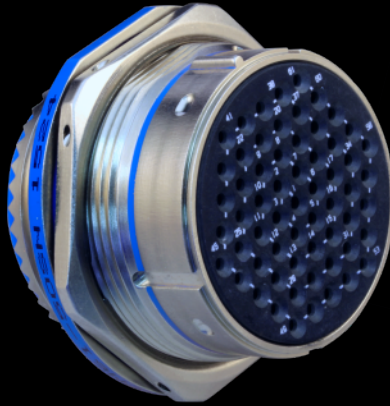
253-020-07  
Jam-nut receptacle

# SAE / AS81703 Series 3 Type Connectors

## Connector examples



Rack-and-panel  
plug



Jam-nut receptacle with  
accessory threads

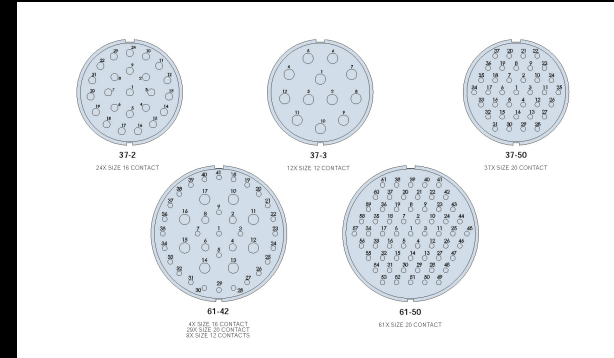
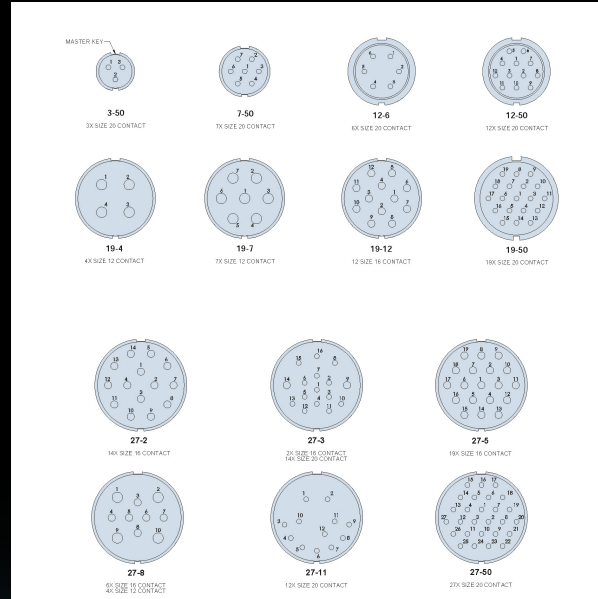


Mated pair:  
jam-nut receptacle and  
lanyard-release plug

# SAE / AS81703 Series 3 Type Connectors

## Contact arrangements IAW 81703 standard













- Nineteen contact arrangements are available, including hybrid signal/power layouts



# SAE / AS81703 Series 3 Type Connectors

## Full complement of backshells and accessories

- Straight and 90° strain reliefs
- Shrink boot adapters
- Crimp ring backshells
- E-nuts (including self-locking version)
- Straight and 90° environmental and EMI/RFI environmental backshells

	Straight strain relief AS85049/T18
	90° strain relief AS85049/T20
	Straight strain relief AS85049/52
	90° strain relief AS85049/51
	Straight shrink boot adapter AS85049/60-1
	Straight shrink boot adapter AS85049/60-2G
	Straight crimp ring backshell and crimp ring AS85049/26-1 and MS3419
	Backshell Crimp Ring AS85049/26-2
	E-Nut (Self-Locking and Non-Self-Locking) AS85049/31, MS3416 and MIL-DTL-85723/15N
	90° Environmental Backshell AS85049/9 and MS3188B
	Straight EMI/RFI Environmental Backshell AS85049/10 and MS3437A
	Straight Environmental Backshell AS85049/T1 and MS3437B

# AS81703 Series 3 Type

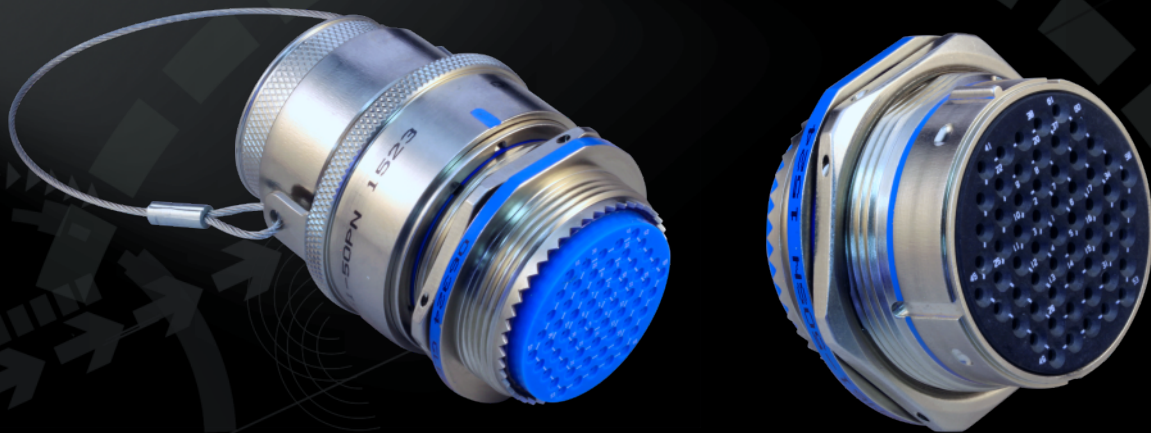
## Summary

- Intermateable and intermountable with available AS81703 connectors
- Reliable fail-safe axial-pull lanyard equipped coupling
- Instant disconnect for critical quick-release systems
- Polarization keying for mis-mate prevention





The widest range of  
mission-critical interconnect  
technologies in the world



**SAE / AS81703 Series 3 Type Connectors**  
High shock and vibration quick-release