

C2096 08 04FN

Specifications

Attribute	Value
Part Number Breakdown	
C2096	Series designation indicating a Square Flange Receptacle housing configuration designed for chassis or panel mounting.
08	Shell Size 8 outer profile envelope.
04	4 Positions / 4-Pin contact arrangement layout within the insert matrix.
FN	Female Socket contact gender style ("F") packaged in a secure rectangular or cylindrical "box/receptacle" housing block configuration.
Technical Specifications: 1. Mechanical & Material Properties	
Housing Style	Square Flange Receptacle with dedicated integration mount paths.
Shell Material	High-grade Aluminum Alloy finished with protective corrosion-resistant plating.
Insulator Insert	High-performance Polychloroprene or premium low-fire-hazard Thermoplastic.
Contact Alignment	Polarizing integrated keyways engineered to block mismatched cross-mating.
Coupling Style	High-durability 3-pin reverse bayonet coupling with an audible and tactile click verification to ensure secure mating in high-vibration systems.
2. Electrical Profiles	
Current Rating	Typically rated up to 13 Amps max per pin (depending on AWG size variance, standard Size 16 AWG contacts carry 13A; Size 20 AWG carries 7.5A).
Contact Resistance	Nominal values track at < 5mΩ initially, maxing at 10mΩ post-environmental conditioning.
Operating Voltage	Maximum operative limits up to 500V Peak (AC RMS or DC standard).
Insulation Resistance	Minimum barrier threshold rated at 1,000 MΩ minimum.
3. Environmental Limits	
Operating Temperatures	Broad operational baseline ranging from -55°C up to +125°C.
Environmental Sealing	Achieve up to IP67 dust and water immersion ratings when completely mated using standard square section gaskets and wire seal grommets