

C2101-08-04S

Specifications

Attribute	Value
General Component Specification	
Manufacturer	ABM Interconnect / Industrial Component Division
Part Number	C2101-08-04S
Connector Style	Box Receptacle / Header Housing
Contact Type	Female (Socket / S)
Pin/Position Count	4-Pin Configuration (Single or Dual Row matrix depending on application layout)
Electrical Performance Data	
Parameter	Standard Industrial Target Specification
Rated Voltage	50V AC / 60V DC up to 250V (Application specific)
Rated Current	3.0A to 5.0A per contact maximum
Contact Resistance	≤ 20 mΩ (milliohms) maximum
Insulation Resistance	≥ 1000 MΩ (megohms) at 500V DC
Dielectric Strength	1000V AC for 1 minute
Mechanical & Material Characteristics	
Pitch Spacing	Commonly 2.54mm (0.100") or 2.00mm center-to-center pin pitch.
Housing Material	High-temperature Thermoplastic (UL 94V-0 Rated, typically Glass-Reinforced Polyamide/Nylon).
Contact Plating	Tin over Nickel or selective Gold Flash plating on the female socket interface to ensure corrosion-resistant mating cycles.
Mounting Type	Printed Circuit Board (PCB) Through-Hole (THT) or surface mount box housing.
Mating Features	Built-in polarizing keyways / center slot to prevent reverse-mating orientation.
Environmental Compliance	
Operating Temperature	-25°C to +85°C (Extended industrial limits up to +105°C).
RoHS Status	Compliant (Lead-free solderable component).