



Nano-C PCB Mount Receptacles

84589

Maximize PCB Real Estate With Molex's Nano-C PCB Mount Receptacles

Nano-C PCB mount receptacles are ideal for use in applications such as medical and consumer electronics where space is a premium and low weight is desired. The receptacles ensure an easy interface with existing Nano-C cordsets.

Designed to meet IP 67 and NEMA 6P ratings, Nano-C receptacles protect against the ingress of water and solid contaminants. These receptacles utilize M8 threads, providing maximum use of PCB space, and all are available in straight and right angle configurations.

Features and Benefits

- IP 67 and NEMA 6P ratings ensure water and dust tight for functional integrity
- High-temperature thermoplastic housing withstands lead-free processing
- Compatible with both coupling ring and snap-lock versions allows flexibility for end-user
- M8 thread size provides small package size maximizing use of PCB real estate
- Metal latches plug into PCB reducing strain on PC tails and solder joints



PCB mount Nano-C receptacles
(left-to-right: 3-circuit male, 3-circuit female, 4-circuit female, 4-circuit male)



Metal latch plugs into PCB for increased board retention

SPECIFICATIONS

Reference Information

Packaging: Bag
Mates With: Nano-C cordsets, Series 84592
Designed In: Inches

Electrical

Voltage: 125V AC
Current: 4.0A (3-circuit)
2.0A (4-circuit)
Dielectric Withstanding Voltage: 7500V DC min.
Insulation Resistance: 500 Megohms min.

Mechanical

Cable Retention: 9.07 kg. (20 lbs.)
Lock-Nut Tightening Torque: 0.79N-m (7 in-lbs.)
Mating Cable Torque: 0.56 N-M (5 in-lbs.)

Physical

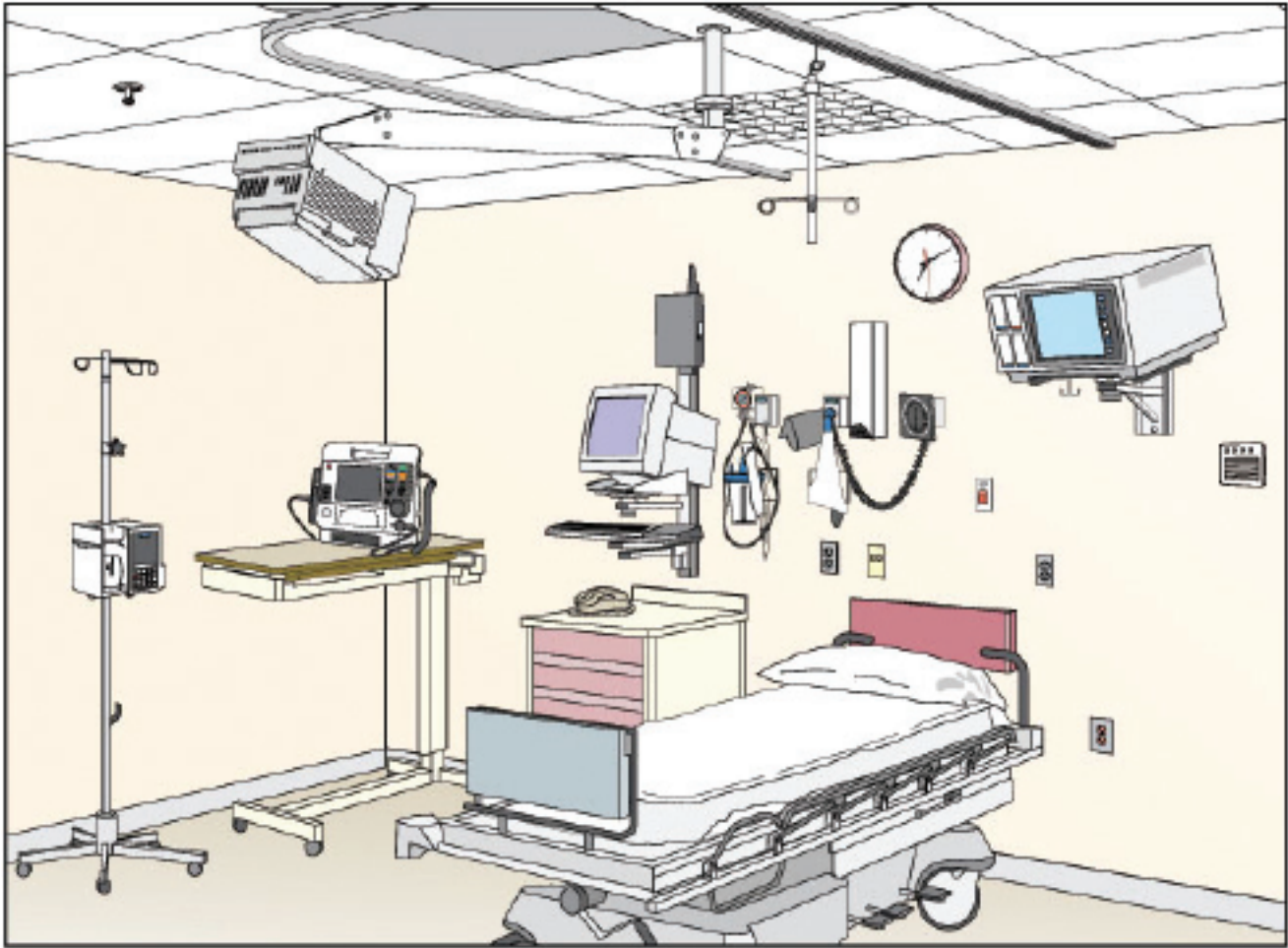
Receptacle (male and female): Nylon 6/6 (black)
Lock Nut (male and female): Nylon 6/6 (black)
Contact (pin and socket): Brass Alloy
(70 Copper/30 Zinc)
Contact Plating: Gold
Support Bracket: Brass
Support Bracket Plating: Tin
O-Ring: Rubber
Operating Temperature: -40 to +80°C
(-40 to +176°F)



**Nano-C
PCB Mount Receptacles**

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- Medical Equipment
 - Glucose meters
- Consumer Electronics
 - GPS equipment
 - Hand-held electronics
- Restaurant Equipment
- Factory Equipment
 - Pressure and temperature monitors



ORDERING INFORMATION

Circuits	Order No.		Description
	Male	Female	
3	84589-0003	84589-0001	Straight
	84589-0007	84589-0005	Right Angle
4	84589-0004	84589-0002	Straight
	84589-0008	84589-0006	Right Angle

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