

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [120090020](#)  
**Status:** **Active**  
**Overview:** [Brad Nano-Change \(M8\) Products](#)  
**Description:** Nano-Change (M8) Receptacle, 3 Poles, M8 x 0.5 Mounting Threads, Male (Straight) to 22 AWG Leads, 0.30m (11.81") Length

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR6837  
 UL E46237

**General**

Product Family Industrial Receptacles  
 Series [120090](#)  
 IP Rating IP67  
 NEMA Rating NEMA 6  
 Overview [Brad Nano-Change \(M8\) Products](#)  
 Product Name Nano-Change (M8)  
 Type Single Ended (pigtail)  
 UPC 78678833056

**Physical**

Coupling Type External Thread  
 Gender Male  
 Keyway A-coded  
 Length 0.30m  
 Material - Component Nickel-plated Brass  
 Mounting Thread Size M8 x 0.5  
 Net Weight 11.748/g  
 Orientation Straight  
 Panel Mount Front  
 Poles 3  
 Temperature Range - Operating -20° to +105°C  
 Wire Size AWG 24  
 Wire/Cable Type UL 1569

**Electrical**

Current - Maximum per Contact 3.0A  
 Voltage - Maximum 60V AC / 75V DC

**Solder Process Data**

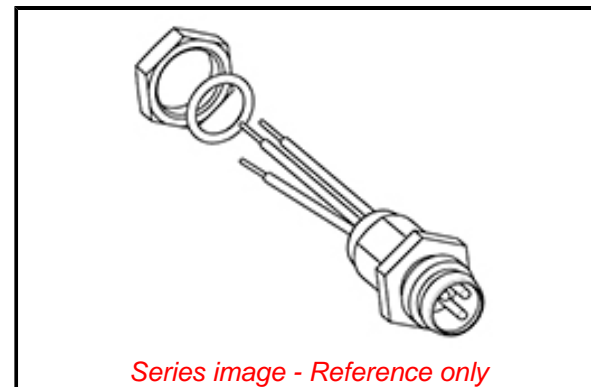
Duration at Max. Process Temperature (seconds) 003  
 Lead-free Process Capability N/A  
 Max. Cycles at Max. Process Temperature 003  
 Process Temperature max. C 260

**Material Info**

Engineering Number 4R3P06A27C300

**Reference - Drawing Numbers**

Sales Drawing SD-120090-020-001



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Contained Per - D(2020)9139-DC (19 Jan 2021)

Lead

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

50 Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

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