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**54242-405-XX-0900**  
**54242-405-XX-0900 - BergStik® : Unshrouded Stacking Headers - Surface Mount - Double row - 04 to 50 Positions - 2.54 mm (0.1 in.)**



ACTIVE

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**Specifications**    [Download document](#)

| General                           | Dimensional                        | Electrical | Mounting | Physical | Approvals / Certifications | Other Features |
|-----------------------------------|------------------------------------|------------|----------|----------|----------------------------|----------------|
| <b>General</b>                    |                                    |            |          |          |                            |                |
| Number of contacts (per row)      | xx = 04 to 50                      |            |          |          |                            |                |
| Number of rows                    | 2                                  |            |          |          |                            |                |
| Packaging                         | Bag                                |            |          |          |                            |                |
| Mating half (SMT)                 | 89898-3xx (Dubox low profile vcc)  |            |          |          |                            |                |
| Mating half (Through hole)        | 76342-3xx (Dubox low profile wc)   |            |          |          |                            |                |
| Series Number                     | 54242                              |            |          |          |                            |                |
| <b>Dimensional</b>                |                                    |            |          |          |                            |                |
| Length (Overall pin)              | 15.87 mm                           |            |          |          |                            |                |
| Length (Tail)                     | smt                                |            |          |          |                            |                |
| Spacing (Board)                   | 16 mm                              |            |          |          |                            |                |
| <b>Electrical</b>                 |                                    |            |          |          |                            |                |
| Current rating                    | 3 amp Continuous                   |            |          |          |                            |                |
| Resistance (Insulation)           | 5000 M ohms                        |            |          |          |                            |                |
| Voltage rating                    | 1500V AC rms                       |            |          |          |                            |                |
| <b>Mounting</b>                   |                                    |            |          |          |                            |                |
| Retention feature (Board)         | No                                 |            |          |          |                            |                |
| Solder process                    | IR Reflow<br>Wave<br>Vapor - Phase |            |          |          |                            |                |
| Mounting style (Stacking header)  | Surface Mount                      |            |          |          |                            |                |
| <b>Physical</b>                   |                                    |            |          |          |                            |                |
| Color (Housing)                   | Black                              |            |          |          |                            |                |
| Material (Contact)                | Phosphore Bronze                   |            |          |          |                            |                |
| Material (Housing)                | High Temperature Thermoplastic     |            |          |          |                            |                |
| Plating (Contact area)            | 3.81 µm (150 µin.) Tin-Lead        |            |          |          |                            |                |
| Plating (Tail)                    | 3.81 µm (150 µin.) Tin-Lead        |            |          |          |                            |                |
| Underplating (Contact)            | 1.27 µm (50 µin.) Nickel           |            |          |          |                            |                |
| Temperature (Range)               | -65°C to +125°C                    |            |          |          |                            |                |
| <b>Approvals / Certifications</b> |                                    |            |          |          |                            |                |
| Approvals / Certifications        | UL and CSA Approved                |            |          |          |                            |                |
| <b>Other Features</b>             |                                    |            |          |          |                            |                |