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ELECTRONICS

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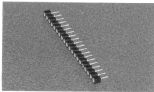
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Jameco Part Number 101283

# ■ SIP TYPE

## ■ DIMENSION AND CIRCUITRY

### • STANDARD PIN



# PART NUMBERING SYSTEM

EMS 1 8 64 1 4

0: DO NOT NEED CLIP

4: FOUR FINGER CLIP

6: SIX FINGER CLIP

1: LENGTH 6.9 mm SLEEVE TIN PLATED

2: LENGTH 6.9 mm SLEEVE GOLD PLATED

3: LENGTH 7.4 mm SLEEVE TIN PLATED

4: LENGTH 7.4 mm SLEEVE GOLD PLATED

5: WIRE-WRAP PIN WITH TIN PLATED

6: WIRE-WRAP PIN WITH GOLD PLATED

7: SOLDER FORK PIN WITH TIN PLATED

8: SOLDER FORK PIN WITH GOLD PLATED

9: STRAIGHT PIN WITH GOLD PLATED

0: STRAIGHT PIN WITH TIN PLATED

NUMBER OF PINS

SIP: FROM 1 TO 64 IS OPTION

0: SINGER ROW

1: BETWEEN TWO ROW PITCH 0.1" (2.54mm)

1: SIP TYPE (PLASTIC BASE)

0: CARRIER TYPE (METAL CARRIER)

TYPE NAME

| PART NO.  | PIN NO. | D     |
|-----------|---------|-------|
| EMS1006** | 6       | 19.3  |
| EMS1008** | 8       | 20.3  |
| EMS1010** | 10      | 25.4  |
| EMS1014** | 14      | 35.5  |
| EMS1016** | 16      | 40.6  |
| EMS1018** | 18      | 45.7  |
| EMS1020** | 20      | 50.8  |
| EMS1022** | 22      | 55.9  |
| EMS1024** | 24      | 61.0  |
| EMS1028** | 28      | 71.1  |
| EMS1030** | 30      | 76.2  |
| EMS1032** | 32      | 81.3  |
| EMS1036** | 36      | 91.4  |
| EMS1040** | 40      | 101.6 |
| EMS1048** | 48      | 121.9 |
| EMS1064** | 64      | 162.5 |

## ■ FEATURES

- Funnel shaped four-fingered and Six-fingered contacts provide easy IC insertion and withdrawal, High reliability.
- Gold plated contact to ensure low contact resistance and Tin plated terminal to prevent contamination during soldering.
- All materials are UL 94V0 grade fire-retardant plastics.
- Fit standard pitch with 2.54mm × 2.54mm (0.100" × 0.100") pin spacing.

## ■ SPECIFICATIONS

### 1. MATERIAL

- 1-1 Sleeve: Brass
- 1-2 Clips: Beryllium Copper Gold Plated

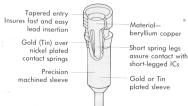
### 2. ELECTRICAL

- 2-1. Contact Rating 100mA 50 VDC
- 2-2. Contact Resistance 10 mΩ max
- 2-3. Insulation Resistance 10MΩ min at 100 VDC
- 2-4. Dielectric strength 1000VAC min for 1 minute
- 2-5. Capacitance between adjacent pin 0.9 pF max

### 3. MECHANICAL AND ENVIRONMENTAL

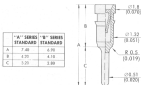
- 3-1. Temperature Rating
  - Operating -40°C to +105°C
  - Storage -40°C to +115°C
- 3-2. Life cycle with insertion and withdrawal 200 cycles
- 3-3. Humidity 90%–95% RH, 40°C for 96Hrs
- 3-4. Vibration per MIL-STD-202F METHOD 204D
- 3-5. Solderability per MIL-STD-202F METHOD 208D
- 3-6. Heat Shock 260°C ± 5°C for 5 ± 1 second

## ■ CONSTRUCTION OF PIN



## ■ KINDS OF PIN

### • STANDARD PIN



### • WIRE-WRAP PIN



### • SOLDER FORK PIN



### • STRAIGHT PIN

