



# EJECT-A-DIP™ Lock/Eject DIP Socket w/Collet Contacts & Solder Pin Tails

## FEATURES

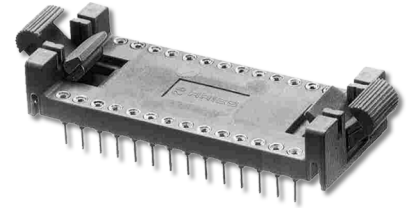
- Rugged, Solderable Socket with a Unique Ejector/Latch for Fast In-field Board Maintenance
- Latch Locks-in Connector or Device for High-vibration Environments
- Ejector/Latch removes DIP Packages without Damage

## GENERAL SPECIFICATIONS

- **LATCH & BODY:** Black UL-94V-0 Glass-filled 4/6 Nylon
- **PIN BODY:** Brass 360 1/2-hard per UNS C36000 ASTM B16/B16M-05
- **PIN BODY PLATING:** 10μ [0.25μ] min. Au per MIL-G-45204 –OR– 200μ [5.08μ] min. 93/7 Sn/Pb per ASTM B545 –OR– 200μ [5.08μ] min. Sn per ASTM B545 Type 1 over 100μ [2.54μ] min. Ni per SAE AMS-QQ-N-290B
- **6-FINGER COLLECT CONTACTS:** BeCu per UNS C17200 ASTM B194-08
- **CONTACT PLATING:** 200μ [5.08μ] min. 93/7 Sn/Pb per ASTM B545 –OR– 200μ [5.08μ] min. Sn per ASTM B545 Type 1 –OR– 10μ [0.25μ] min. Au per MIL-G-45204 over 50μ [1.27μ] min. Ni per SAE AMS-QQ-N-290B. Heavy 30μ [0.76μ] Au plating on contacts also available.
- **CONTACT CURRENT RATING:** 3 amps
- **INSULATION RESISTANCE:** 10,000 MΩ at 500VDC
- **WITHSTANDING VOLTAGE:** 1000Vrms
- **OPERATING TEMPERATURE:** -67°F to 221°F [-55°C to 105°C] for Sn plating; -67°F to 257°F [-55°C to 125°C] for Au plating
- **INSERTION FORCE:** 67g/pin, based on 0.018 [0.46] dia. test lead
- **WITHDRAWAL FORCE:** 30g/pin, based on 0.018 [0.46] dia. test lead
- **NORMAL FORCE:** 45g/pin, based on 0.018 [0.46] dia. test lead

## MOUNTING CONSIDERATIONS

- **SUGGESTED PCB HOLE SIZE:** 0.030 ±0.002 [0.76 ±0.05] dia.



## ORDERING INFORMATION

XX-CXXX-X XXX XX

### Optional Plating

H = Heavy Au Collet  
T = Sn Collet & Shell  
TL = Sn/Pb Collet & Shell

### Plating

0 = Au Collet, Sn Shell  
OTL = Au Collet, Sn/Pb Shell  
1 = Au Collet & Shell

### Termination

1 = Solder Pin Tail

### Dim. "H"

(See Table)

### No. of Pins

(See Table)

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

FOR COLLECT SOCKETS w/SURFACE MOUNT PINS, SEE [DATA SHEET 12023](#)

FOR COLLET SOCKET w/WIRE WRAP PINS, SEE [DATA SHEET 12025](#)

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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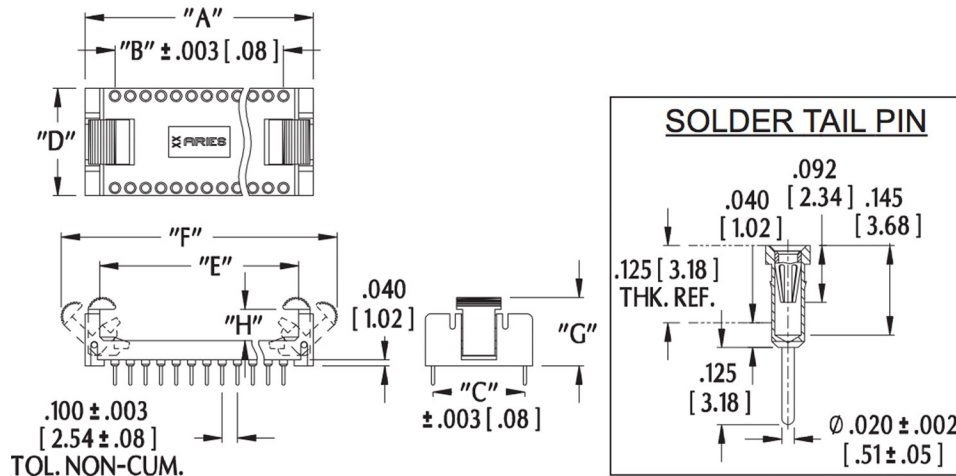
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12024  
Rev. 7.2  
1 of 2



# EJECT-A-DIP™ Lock/Eject DIP Socket w/Collet Contacts & Solder Pin Tails



| No. of pins | Catalog No. | Dim. "A"      | Dim. "B"      | Centers "C"   | Dim. "D"      | Dim. "E"      | Dim. "F"      | Dim "G"       | Dim "H"      |
|-------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| 14          | 14-C280-XX  | 0.950 [24.10] | 0.600 [15.24] | 0.300 [7.62]  | 0.400 [10.16] | 0.770 [19.56] | 1.300 [33.02] | 0.490 [12.45] | 0.280 [7.11] |
| 14          | 14-C195-XX  | 0.950 [24.10] | 0.600 [15.24] | 0.300 [7.62]  | 0.400 [10.16] | 0.770 [19.56] | 1.300 [33.02] | 0.450 [11.43] | 0.195 [4.95] |
| 16          | 16-C280-XX  | 1.050 [26.70] | 0.700 [17.78] | 0.300 [7.62]  | 0.400 [10.16] | 0.870 [22.10] | 1.540 [39.12] | 0.490 [12.45] | 0.280 [7.11] |
| 16          | 16-C195-XX  | 1.050 [26.70] | 0.700 [17.78] | 0.300 [7.62]  | 0.400 [10.16] | 0.870 [22.10] | 1.390 [35.31] | 0.450 [11.43] | 0.195 [4.95] |
| 24          | 24-C300-XX  | 1.490 [37.85] | 1.100 [27.94] | 0.600 [15.24] | 0.700 [17.78] | 1.300 [33.02] | 1.970 [50.04] | 0.570 [14.48] | 0.300 [7.62] |
| 24          | 24-C212-XX  | 1.490 [37.85] | 1.100 [27.94] | 0.600 [15.24] | 0.700 [17.78] | 1.300 [33.02] | 1.850 [47.00] | 0.490 [12.45] | 0.212 [5.39] |
| 24          | 24-C182-XX  | 1.490 [37.85] | 1.100 [27.94] | 0.600 [15.24] | 0.700 [17.78] | 1.300 [33.02] | 1.800 [45.72] | 0.460 [11.68] | 0.182 [4.62] |
| 28          | 28-C300-XX  | 1.690 [42.90] | 1.300 [33.02] | 0.600 [15.24] | 0.700 [17.78] | 1.500 [38.10] | 2.170 [55.12] | 0.570 [14.48] | 0.300 [7.62] |
| 28          | 28-C212-XX  | 1.690 [42.90] | 1.300 [33.02] | 0.600 [15.24] | 0.700 [17.78] | 1.500 [38.10] | 2.050 [52.07] | 0.490 [12.45] | 0.212 [5.39] |
| 28          | 28-C182-XX  | 1.690 [42.90] | 1.300 [33.02] | 0.600 [15.24] | 0.700 [17.78] | 1.500 [38.10] | 2.000 [50.80] | 0.460 [11.68] | 0.182 [4.62] |
| 32          | 32-C300-XX  | 1.890 [48.00] | 1.500 [38.10] | 0.600 [15.24] | 0.700 [17.78] | 1.700 [43.18] | 2.540 [64.52] | 0.570 [14.48] | 0.300 [7.62] |
| 32          | 32-C212-XX  | 1.890 [48.00] | 1.500 [38.10] | 0.600 [15.24] | 0.700 [17.78] | 1.700 [43.18] | 2.070 [52.58] | 0.490 [12.45] | 0.212 [5.39] |
| 32          | 32-C182-XX  | 1.890 [48.00] | 1.500 [38.10] | 0.600 [15.24] | 0.700 [17.78] | 1.700 [43.18] | 2.200 [55.88] | 0.460 [11.68] | 0.182 [4.62] |
| 40          | 40-C300-XX  | 2.290 [58.20] | 1.900 [48.26] | 0.600 [15.24] | 0.700 [17.78] | 2.100 [53.34] | 2.780 [70.61] | 0.570 [14.48] | 0.300 [7.62] |
| 40          | 40-C212-XX  | 2.290 [58.20] | 1.900 [48.26] | 0.600 [15.24] | 0.700 [17.78] | 2.100 [53.34] | 2.650 [67.31] | 0.490 [12.45] | 0.212 [5.39] |
| 40          | 40-C182-XX  | 2.290 [58.20] | 1.900 [48.26] | 0.600 [15.24] | 0.700 [17.78] | 2.100 [53.34] | 2.600 [66.04] | 0.460 [11.68] | 0.182 [4.62] |

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