CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION.
SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.
ARIES RESERVES THE RIGHT TO CHANGE PRODUCT GENERAL SPECIFICATIONS WITHOUT NOTICE.
PRINTOUTS OF THIS DOCUMENT MAY BE OUT-OF-DATE AND SHOULD BE CONSIDERED UNCONTROLLED.

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: 30µ [0.76µ] min. Au per MIL-G-45204 over 50µ [1.27µ] min. Ni per SAE AMS-QQ-N-290B
- 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: 0.045 ±0.002 [1.15 ±0.05] dia.

ORDERING INFORMATION

XX-CXXX-X XXX

Plating
0 = Au Collet, Sn Shell
0TL = Au Collet, Sn/Pb Shell
1 = Au Collet & Shell

Termination
2 = 2-level Wire Wrap
3 = 3-level Wire Wrap

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/SOLDER PIN TAILS, SEE DATA SHEET 12024
CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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### Customization

ARIES specializes in custom design and production. Special materials, platings, sizes, and configurations can be furnished, depending on quantity.

ARIES reserves the right to change product general specifications without notice.

Printouts of this document may be out-of-date and should be considered uncontrolled.

### All Dimensions

All tolerances: ±0.005 [0.13] unless otherwise specified.

For collect sockets w/surface mount pins, see Data Sheet 12023.

For collet socket w/solder pin tails, see Data Sheet 12024.

Consult factory for other sizes and configurations.

### Eject-A-DIP™ Lock/Eject DIP Socket w/Collet Contacts & Wire Wrap Pins

--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
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-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 [55.08] | 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] | 2.400 [59.68] | 0.490 [12.45] | 0.212 [5.39]
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 [66.71] | 0.490 [12.45] | 0.212 [5.39]

_**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/solder pin tails, see Data Sheet 12024.

Consult factory for other sizes and configurations.