



EJECT-A-DIP™ Lock/Eject DIP Socket w/Collet Contacts & Surface Mount Pins

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
- High-temperature 4/6 Nylon Suitable for Any Surface Mount Soldering Application



GENERAL SPECIFICATIONS

- LATCH & BODY: Black UL 94V-0 Glass-filled 4/6 Nylon
- PIN BODY: Brass 360 1/2-hard per UNS C36000 ASTM-B16-00
- 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 COLLET CONTACT: BeCu per UNS C17200 ASTM-B194-01
- CONTACT PLATING: 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 @ 500 VDC
- WITHSTANDING VOLTAGE: 1000 V RMS
- 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 long

MOUNTING CONSIDERATIONS

- SUGGESTED PCB PAD SIZE: 0.063 [1.60] dia.

ORDERING INFORMATION

XX-CXXX-X XXX XX

Optional Plating

H = Heavy Au Collet

Plating

0 = Au Collet, Sn Shell

OTL = Au Collet, Sn/Pb Shell

1 = Au Collet & Shell

Termination

0 = Surface Mount Pins

Dim. "H"

(See Table)

No. of Pins

(See Table)

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

FOR COLLET SOCKET w/SOLDER PIN TAILS, SEE [DATA SHEET 12024](#)

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

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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PRINTOUTS OF THIS DOCUMENT MAY BE OUT-OF-DATE AND SHOULD BE CONSIDERED UNCONTROLLED



ARIES
ELECTRONICS, INC.

2609 Bartram Road • Bristol, PA 19007-6810 USA

TEL 215-781-9956 • FAX 215-781-9845

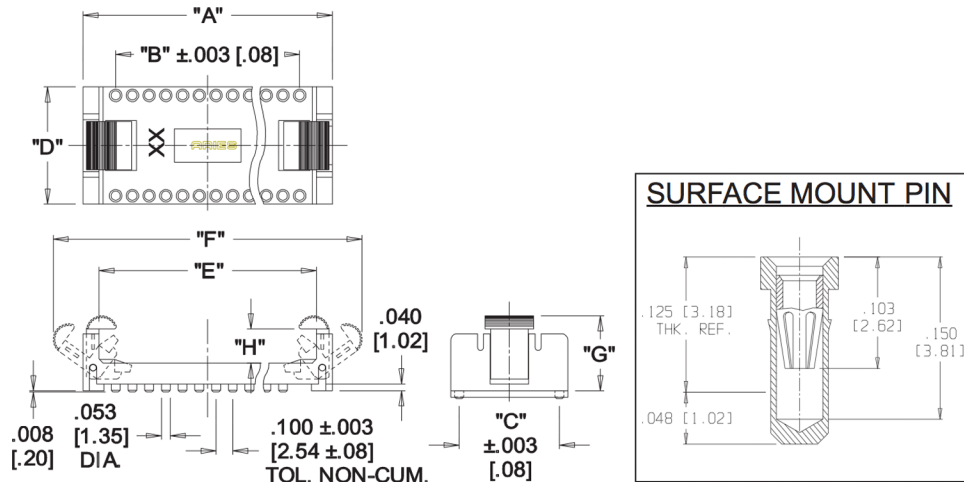
WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



12023
Rev. 5.2
1 of 2



EJECT-A-DIP™ Lock/Eject DIP Socket w/Collet Contacts & Surface Mount Pins



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]

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED

FOR COLLET SOCKET w/SOLDER PIN TAILS, SEE DATA SHEET 12024

FOR COLLET SOCKET w/WIRE WRAP PINS, SEE DATA SHEET 12025

CONSULT FACTORY FOR OTHER SIZES AND CONFIGURATIONS

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



ARIES
ELECTRONICS, INC.

2609 Bartram Road • Bristol, PA 19007-6810 USA

TEL 215-781-9956 • FAX 215-781-9845

WWW.ARIESELEC.COM • INFO@ARIESELEC.COM



12023
Rev. 5.2
2 of 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Aries:

<u>28-C212-00</u>	<u>24-C212-00</u>	<u>28-C300-00</u>	<u>24-C300-00</u>	<u>28-C182-00</u>	<u>16-C280-00</u>	<u>24-C182-00</u>	<u>14-C280-00</u>	<u>32-C212-00</u>
<u>40-C300-00</u>	<u>40-C212-00</u>	<u>32-C182-00</u>	<u>40-C182-00</u>	<u>14-C195-00</u>	<u>16-C195-00</u>	<u>32-C300-00</u>		