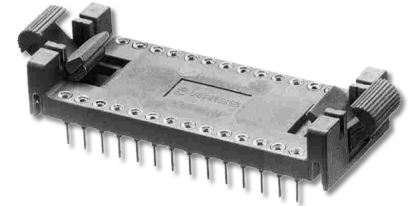




# EJECT-A-DIP™ Lock/Eject DIP Socket w/Collet Contacts & Solder Pin Tails

## 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: 10 $\mu$  [0.25 $\mu$ ] min. Au per MIL-G-45204 –OR– 200 $\mu$  [5.08 $\mu$ ] min. 93/7 Sn/Pb per ASTM B545 –OR– 200 $\mu$  [5.08 $\mu$ ] min. Sn per ASTM B545 Type 1 over 100 $\mu$  [2.54 $\mu$ ] min. Ni per SAE AMS-QQ-N-290B
- 6-FINGER COLLECT CONTACTS: BeCu per UNS C17200 ASTM B194-08
- CONTACT PLATING: 200 $\mu$  [5.08 $\mu$ ] min. 93/7 Sn/Pb per ASTM B545 –OR– 200 $\mu$  [5.08 $\mu$ ] min. Sn per ASTM B545 Type 1 –OR– 10 $\mu$  [0.25 $\mu$ ] min. Au per MIL-G-45204 over 50 $\mu$  [1.27 $\mu$ ] min. Ni per SAE AMS-QQ-N-290B. Heavy 30 $\mu$  [0.76 $\mu$ ] Au plating on contacts also available.
- CONTACT CURRENT RATING: 3 amps
- INSULATION RESISTANCE: 10,000 M $\Omega$  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

## 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)

## MOUNTING CONSIDERATIONS

- SUGGESTED PCB HOLE SIZE: 0.030  $\pm$  0.002 [0.76  $\pm$  0.05] dia.

ALL DIMENSIONS: INCHES [MILLIMETERS]

ALL TOLERANCES:  $\pm$ 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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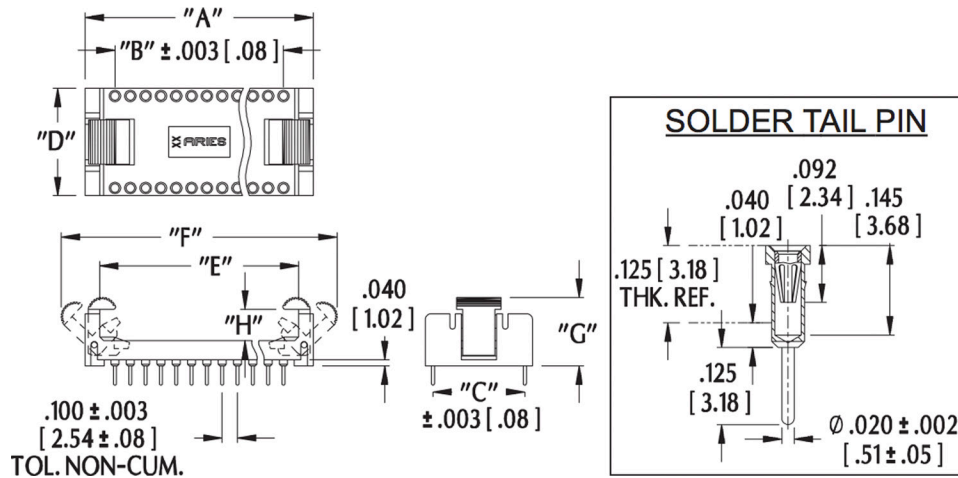
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12024  
Rev. 7.2  
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# EJECT-A-DIP™ Lock/Eject DIP Socket w/Collet Contacts & Solder Pin Tails



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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 ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED  
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