Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Series 171 thru 173
Flat Pin-Staked Flex Jumpers

FEATURES

- Combination of Thin, Flexible, Solid Cu Conductors Embedded between layers of Tough, Flexible, Flame-retardant Insulation

GENERAL SPECIFICATIONS

- **STANDARD CABLE INSULATION**: white UL VW-1, Style 2643 flame-retardant Polyester (Mylar) adhesive
- **HIGH-TEMP FLAME-RETARDANT CABLE INSULATION**: Polyimide (Kapton®) with Acrylic Adhesive
- **CABLE CONDUCTORS**: solid Cu with cross-sectional area equivalent to 26-gauge AWG
- **FEMALE HOUSING**: black UL 94V-0 glass-filled Stanyl® 4/6 Nylon
- **CRIMP-ON PINS**: spring-tempered Cu 510
- **PIN PLATING**: 100µ [2.54µ] min. matte Sn per ASTM B545-97(2004)e1 over 50µ [1.27µ] min. Ni per SAE AMS-QQ-N-290; –OR– 100µ [2.54µ] min. Sn/Pb per SAE AMS-P-81728 over 50µ [1.27µ] min. Ni per SAE AMS-QQ-N-290B
- **CABLE CURRENT RATING**: 3 amps
- **CABLE VOLTAGE RATING**: 300V
- **CABLE DIELECTRIC STRENGTH**: 2500V/mil, min. (standard) 4000V/mil, min. (high-temp)
- **CABLE INSULATION RESISTANCE**: 1000 MΩ min. (standard) 100,000 mΩ (high-temp)
- **STD OPERATING TEMPERATURE**: -67 to 221°F [-55 to 105°C]
- **HT OPERATING TEMPERATURE**: -67 to 257°F [-55 to 125°C]
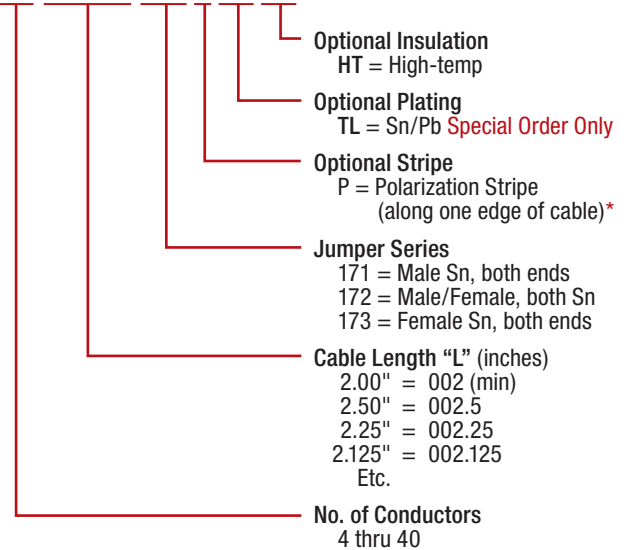- **FEMALE HOUSING ACCEPTS LEADS**: 0.024-0.030 [0.61-0.76] square, 0.150 [3.81] long min.

MOUNTING CONSIDERATIONS

- **SUGGESTED PCB HOLE SIZE**: 0.032 ±0.002 [0.81 ±0.05] dia.

ORDERING INFORMATION

XX-XXXXX-17X X XX XX

Optional Insulation
HT = High-temp

Optional Plating
TL = Sn/Pb Special Order Only

Optional Stripe
P = Polarization Stripe
(along one edge of cable)*

Jumper Series
171 = Male Sn, both ends
172 = Male/Female, both Sn
173 = Female Sn, both ends

Cable Length "L" (inches)
2.00" = 002 (min)
2.50" = 002.5
2.25" = 002.25
2.125" = 002.125
Etc.

No. of Conductors
4 thru 40

* Aries reserves the right to ship with or without unless specified by customer.

NOTE: Please contact the factory for price and availability of any high-temp (HT) cable larger than 20 conductors.

CABLE LENGTH "L" ± .125

.140 [3.56]
.200 [5.08]

.100 [2.54]

"A" +.050 [1.27]
−.000 [0.00]

"B"

SERIES 171 - MALE/MALE

CABLE LENGTH "L" ± .125

.300 [7.62] REF.

"A"

.550 [13.97]

SERIES 173 - FEMALE/FEMALE

CABLE LENGTH "L" ± .125

SERIES 172 - MALE/FEMALE

.100 ± .003
[2.54 ± .08]
TOL. NON-CUM.

"B"
± .003
[.08]

.100 [2.54]

+.050 [1.27]
−.000 [0.00]
"A"

.062 ± .002
[1.58 ± .05]

.010
[.25]

CABLE DETAIL

.003 ± .001
[.08 ± .03]

D

MALE CONTACT DETAIL

.060
[1.52]

.020
[.51]

.010 ± .002
[.25 ± .05]

.140
[3.56]

"A" = (NO. OF CONDUCTORS) x 0.100 [2.54]
"B" = (NO. OF CONDUCTORS -1) x 0.100 [2.54]

ALL DIMENSIONS: INCHES [MILLIMETERS]
ALL TOLERANCES: ±0.005 [0.13] UNLESS OTHERWISE SPECIFIED
FOR CABLE LENGTHS UNDER 2.000 [50.80], CONSULT FACTORY
FOR 90° PIN STAKED FLEX JUMPERS, SEE DATA SHEET 11019
FOR RoHS APPLICATIONS, USE HT CABLE
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

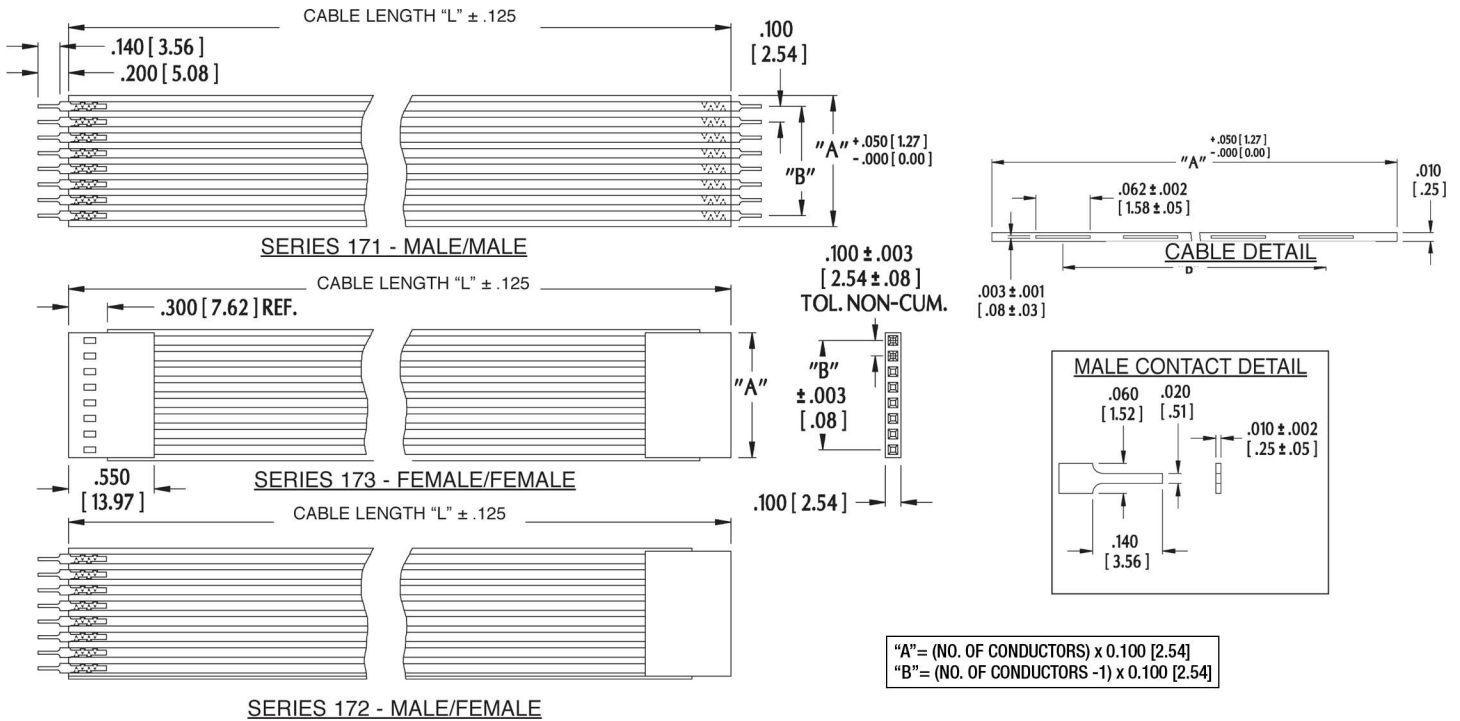PRINTOUTS OF THIS DOCUMENT MAY BE OUT-OF-DATE AND SHOULD BE CONSIDERED UNCONTROLLED