



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!



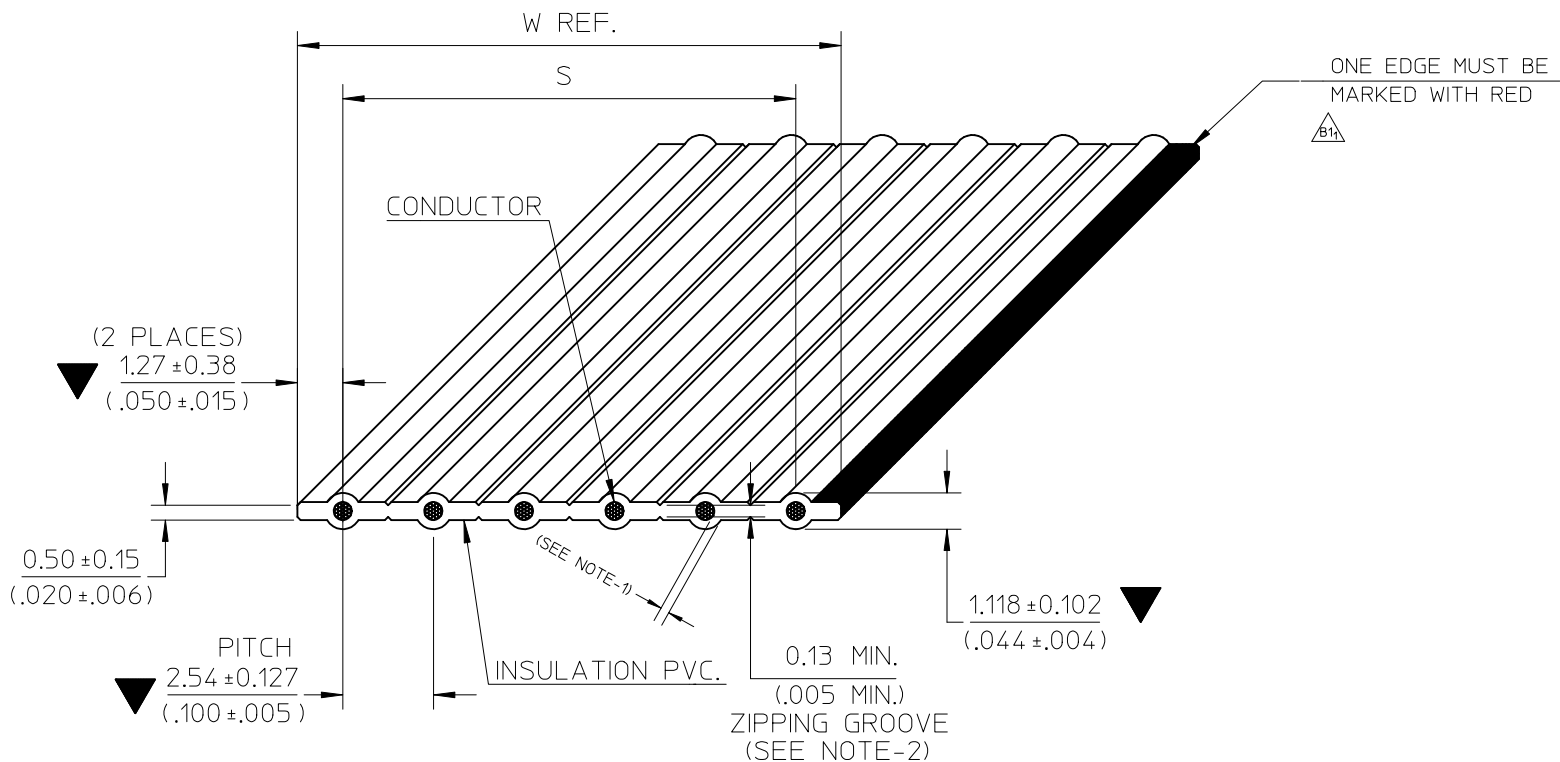
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





- NOTE :
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
 2. RIP TEST:
 - THE 0.13mm. (.005") ZIPPING GROOVE SHALL BE CAPABLE OF BEING RIPPED BY HAND WITHIN THE RECESS, WITHOUT EXPOSING THE ADJACENT CONDUCTORS
 3. RoHS AND LEAD FREE COMPLIANT
 4. SPECIAL REQUIREMENT: N/A

| PRODUCT APPLICATION | |
|-------------------------------------|----------------|
| <input checked="" type="checkbox"/> | GENERAL USE |
| <input type="checkbox"/> | AUTOMOTIVE |
| <input type="checkbox"/> | MEDICAL DEVICE |

| | | | | | | | | | | | | | | | |
|--|-----------|---|-------|--|--|---------------------------------------|--|----------------|--------------------------|------------------------|--------------------|---|------------------------|-----------|--|
| | | | | SEE CHANGE DETAIL EC NO: THL2011-0054 DRWN:CPANSAKHOM 2010/10/08 CH'KD:PWEECHAI 2011/01/25 APPR:SVIRATJAPOL 2011/03/31 | QUALITY SYMBOLS <div>▽=3</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | DIMENSION STYLE MM/IN | | SCALE NTS | DESIGN UNITS INCH | THIRD ANGLE PROJECTION | | |
| B1 | E-10-0371 | B1 ₁ : REMOVE REELS MFG. IN NOG. | | | | 2010/10/08 | | mm | INCH | DRAWN BY CPANSAKHOM | DATE 2006/07/18 | TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 24AWG STRANDED TOPCOATED <div>MOLEX</div> MOLEX INCORPORATED | | | |
| B | E-07-0748 | B4 ₁ : ADD NON-OPERATING TEMP. | | | | 2007/09/26 | 4 PLACES | ± --- | ± --- | CHECKED BY PMEECHAI | DATE 2006/07/18 | | | | |
| | | B3 ₁ : ADD SOLDERING CONDITION | | | | | 3 PLACES | ± --- | ± --- | APPROVED BY | DATE | | | | |
| | | B2 ₁ : CHANGE ELECTRICAL | | | | | 2 PLACES | ± --- | ± --- | SVIRAT JAPOL | 2006/07/18 | | | | |
| B1 ₁ : CHANGE WEB THICKNESS | | 1 PLACE | ± --- | | | | ± --- | ANGULAR ± ---° | | MATERIAL NO. | | DOCUMENT NO. | | SHEET NO. | |
| A | N/A | NEW RELEASE | | | | 2006/07/18 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | SEE CHART | | SD-8997-001 1 OF 3 | | | |
| REV. HISTORY | EC NO. | DETAIL | | | | DATE | | | | SIZE A 4 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |

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SPECIFICATIONSPHYSICAL

CONDUCTOR SPACING _ _ _ _ _ 2.54 (.100") \varnothing TO \varnothing
 WIRE GAUGE _ _ _ _ _ 24 AWG(7/32) STRANDED TOPCOATED
 INSULATION _ _ _ _ _ P.V.C GRAY (LEAD FREE)

AGENCY

U.L. STYLE NO. _ _ _ _ _ 2651
 TEMPERATURE RATING _ _ _ _ _ -20°C TO 105°C
 VOLTAGE RATING _ _ _ _ _ 300V.MAX.
 FLAMMABILITY RATING _ _ _ _ _ VW-1

ELECTRICAL





CONDUCTOR RESISTANCE (D.C.) _ _ _ _ _ 27m. OHMS/FT. MAX.
 CHARACTERISTIC IMPEDANCE _ _ _ _ _ 134 OHMS NOM. (GS)
 114 OHMS NOM. (GSG)
 CAPACITANCE _ _ _ _ _ 6.6 pF/FT. NOM. (GS)
 12.0 pF/FT. NOM. (GSG)
 PROPAGATION DELAY _ _ _ _ _ 1.4 ns/FT. NOM.
 INSULATION RESISTANCE _ _ _ _ _ 10M OHMS (10FT. SAMPLE)
 DIELECTRIC WITHSTAND VOLTAGE _ _ _ _ _ 2000 VRMS/MINUTE

GENERAL

NON-OPERATING TEMPERATURE _ _ _ _ _ -20°C TO 105°C
 FAULTS AND/OR SPLICES _ _ _ _ _ 1/REEL MAX. 100 $^{+3}_{-0}$ FT. (30.48 $^{+0.914}_{-0}$ M.)/REEL
 20FT. (6.096M.) MIN. LENGTH

SOLDERING CONDITION

SOLDER TEMPERATURE _ _ _ _ _ 260°C. MAX.
 SOLDERING TIME _ _ _ _ _ 3 SECOND, MAX.
 INSULATION SHRINK _ _ _ _ _ 2MM. NOM.

| | | | | | | | | |
|---|---|--|---------------|--------------------------|----------------------------|--|---|--|
| SEE CHANGE DETAIL EC NO: THL2011-0054 DRWN:CPANSAKHOM 2010/10/08 CHKD:PMEECHAI 2011/01/25 APPR:SVIRATJAPOL 2011/03/31 | QUALITY SYMBOLS  =  = | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE NTS | DESIGN UNITS INCH |  THIRD ANGLE PROJECTION |
| | | | mm | INCH | DRAWN BY CPANSAKHOM | DATE 2006/07/18 | TITLE FCB ROUND CONDUCTOR 2.54MM(.100)CENTER PVC. 24AWG STRANDED TOPCOATED  MOLEX INCORPORATED | |
| | | 4 PLACES | ±--- | ±--- | CHECKED BY PMEECHAI | DATE 2006/07/18 | | |
| | | 3 PLACES | ±--- | ±--- | APPROVED BY SVIRATJAPOL | DATE 2006/07/18 | | |
| | | 2 PLACES | ±--- | ±--- | MATERIAL NO. SEE CHART | | | |
| 1 PLACE | ±--- | ±--- | ANGULAR ±---° | | | | | |
| B1 | REV | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE A 4 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |

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CHART A

DIMENSIONS MM. (INCHES)

| ENGINEERING NO. | ORDER NO. | NO. OF CONDUCTOR | DIMENSION S | DIM. W (REF.) |
|-----------------|------------|------------------|-------------------------|---------------|
| 8997-02-100B | 82-24-5902 | 2 | 2.54±0.127(.100±.005) | 5.08 (.200) |
| ▲ -03- ▲ | ▲ 03 | 3 | 5.08±0.20 (.200±.008) | 7.62 (.300) |
| -04- | 04 | 4 | 7.62±0.30 (.300±.012) | 10.16 (.400) |
| -05- | 05 | 5 | 10.16±0.33 (.400±.013) | 12.70 (.500) |
| -06- | 06 | 6 | 12.70±0.33 (.500±.013) | 15.24 (.600) |
| -07- | 07 | 7 | 15.24±0.33 (.600±.013) | 17.78 (.700) |
| -08- | 08 | 8 | 17.78±0.33 (.700±.013) | 20.32 (.800) |
| -09- | 09 | 9 | 20.32±0.33 (.800±.013) | 22.86 (.900) |
| -10- | 10 | 10 | 22.86±0.33 (.900±.013) | 25.40 (1.000) |
| -11- | 11 | 11 | 25.40±0.33 (1.000±.013) | 27.94 (1.100) |
| -12- | 12 | 12 | 27.94±0.33 (1.100±.013) | 30.48 (1.200) |
| -13- | 13 | 13 | 30.48±0.33 (1.200±.013) | 33.02 (1.300) |
| -14- | 14 | 14 | 33.02±0.33 (1.300±.013) | 35.56 (1.400) |
| -15- | 15 | 15 | 35.56±0.33 (1.400±.013) | 38.10 (1.500) |
| -16- | 16 | 16 | 38.10±0.33 (1.500±.013) | 40.64 (1.600) |
| -17- | 17 | 17 | 40.64±0.33 (1.600±.013) | 43.18 (1.700) |
| -18- | 18 | 18 | 43.18±0.33 (1.700±.013) | 45.72 (1.800) |
| ▼ -19- ▼ | ▼ 19 | 19 | 45.72±0.33 (1.800±.013) | 48.26 (1.900) |
| 8997-20-100B | 82-24-5920 | 20 | 48.26±0.33 (1.900±.013) | 50.80 (2.000) |

ENGINEERING NO.

8997-XX-XXXX

A B C D

A : CABLE 2.54mm. (.100") CENTERS 24AWG STRANDED TOPCOATED

B : CONDUCTOR SIZE (AVAILABILITY 2 THROUGH 20)

C : CABLE LENGTH 100FT. (30.48M.)

D : A = INCHES

B = FEET

SEE CHANGE DETAIL
EC NO: THL2011-0054
DRWN:CPANSAKHOM 2010/10/08
CHKD:PMEECHAI 2011/01/25
APPR:SVIRATJAPOL 2011/03/31

QUALITY SYMBOLS
▼ =
▽ =

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|----------|-------|-------|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± --- | ± --- |
| 1 PLACE | ± --- | ± --- |

ANGULAR ± ---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

| | |
|-------------|------------|
| DRAWN BY | DATE |
| CPANSAKHOM | 2006/07/18 |
| CHECKED BY | DATE |
| PMEECHAI | 2006/07/18 |
| APPROVED BY | DATE |
| SVIRATJAPOL | 2006/07/18 |

MATERIAL NO.

SEE CHART

SIZE
A 4SCALE
NTSDESIGN UNITS
INCH
 THIRD ANGLE PROJECTION

TITLE
FCB ROUND CONDUCTOR
2.54MM(.100)CENTER PVC.
24AWG STRANDED TOPCOATED

 MOLEX INCORPORATED

DOCUMENT NO.

SD-8997-001

SHEET NO.

3 OF 3

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