

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0250020304

Status:

Active

Overview:

ribbon\_cable\_jumpers

Description:

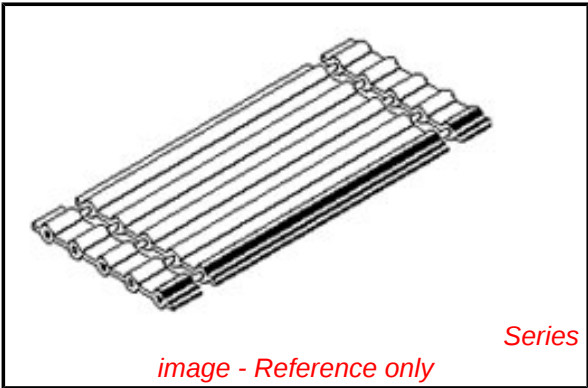
2.54mm (.100") Pitch Board-to-Board Ribbon Cable Jumper - 24 AWG, Stranded Topcoat, 3 Circuits, Strip and Retain, 0.102m (4.00") Length

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

|                               |                          |
|-------------------------------|--------------------------|
| General                       |                          |
| Product Family                | Cable                    |
| Series                        | 25002                    |
| Crimp Quality Equipment       | Yes                      |
| Geographic Area               | Asia                     |
| Overview                      | ribbon_cable_jumpers     |
| Product Name                  | Ribbon                   |
| Physical                      |                          |
| Cable Length                  | 0.102m (4.00")           |
| Circuits (Loaded)             | 3                        |
| Circuits (maximum)            | 3                        |
| Insulation                    | PVC                      |
| Packaging Type                | Bag                      |
| Pitch - Term. Interface (in)  | 0.100 In                 |
| Pitch - Term. Interface (mm)  | 2.54 mm                  |
| Temperature Range - Operating | -20°C to +105°C          |
| Wire Size AWG                 | 24                       |
| Wire/Cable Type               | (7x32) Stranded, Topcoat |
| Electrical                    |                          |
| Current - Maximum per Contact | N/A                      |
| Voltage - Maximum             | 300V                     |
| Material Info                 |                          |
| Reference - Drawing Numbers   |                          |
| Sales Drawing                 | SD-25002-001             |



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

25002Series

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## CABLE SPECIFICATIONS:

## 1.- STANDARD JUMPER SERIES #25002 (8997 CABLE, .125" S/R BOTH ENDS)

## 2.- PHYSICAL

CONDUCTOR SPACING ----- .100" (2.54mm) C TO C  
WIRE GAUGE ----- 24 AWG (7/32), TOPCOAT  
INSULATION ----- GRAY PVC  
EDGE MARK COLOR ----- RED

## 3.- AGENCY

U.L. STYLE ----- 2651  
TEMPERATURE RATING ----- -20 °C TO 105 °C  
VOLTAGE RATING ----- 300V. MAX.  
FLAMMABILITY RATING ----- VW-1

## 4.- SPECIAL REQUIREMENT

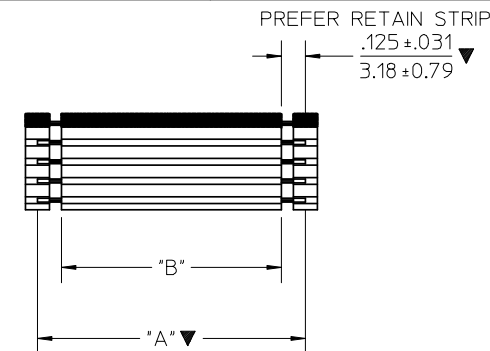
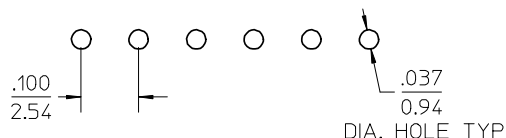
RoHS AND LEAD FREE COMPLIANT  
NO TEXT MARKING ON FCB

## 5.- GENERAL

NON-OPERATING TEMPERATURE-----20°C TO 105°C

## 6.- SOLDERING CONDITION

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

PCB HOLE LAYOUT  
RECOMENDED HOLE DIA. .037 In.

OVERALL LENGTH ("A")  
TOLERANCE FOR OAL +/- .100"  
INSULATION LENGTH ("B" REF.)  
DIMS "A" & "B" REFERS TO  
SHOWN IN MATRIX.

## MATRIX FOR STANDARD JUMPERS SERIES # 25002 (8997 CABLE .125" S/R BOTH ENDS)

| LENGTH "A"<br>(±.100") | 1.250"     | 2.250"     | 3.250"     | 4.250"     | 5.250"     | 6.250"     | 7.250"     | 8.250"     |
|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| LENGTH "B"<br>(REF.)   | 1.000"     | 2.000"     | 3.000"     | 4.000"     | 5.000"     | 6.000"     | 7.000"     | 8.000"     |
| 2                      | 25002-0201 | 25002-0202 | 25002-0203 | 25002-0204 | 25002-0205 | 25002-0206 | 25002-0207 | 25002-0208 |
| 3                      | 25002-0301 | 25002-0302 | 25002-0303 | 25002-0304 | 25002-0305 | 25002-0306 | 25002-0307 | 25002-0308 |
| 4                      | 25002-0401 | 25002-0402 | 25002-0403 | 25002-0404 | 25002-0405 | 25002-0406 | 25002-0407 | 25002-0408 |
| 5                      | 25002-0501 | 25002-0502 | 25002-0503 | 25002-0504 | 25002-0505 | 25002-0506 | 25002-0507 | 25002-0508 |
| 6                      | 25002-0601 | 25002-0602 | 25002-0603 | 25002-0604 | 25002-0605 | 25002-0606 | 25002-0607 | 25002-0608 |
| 7                      | 25002-0701 | 25002-0702 | 25002-0703 | 25002-0704 | 25002-0705 | 25002-0706 | 25002-0707 | 25002-0708 |
| 8                      | 25002-0801 | 25002-0802 | 25002-0803 | 25002-0804 | 25002-0805 | 25002-0806 | 25002-0807 | 25002-0808 |
| 9                      | 25002-0901 | 25002-0902 | 25002-0903 | 25002-0904 | 25002-0905 | 25002-0906 | 25002-0907 | 25002-0908 |
| 10                     | 25002-1001 | 25002-1002 | 25002-1003 | 25002-1004 | 25002-1005 | 25002-1006 | 25002-1007 | 25002-1008 |

25002-\*\*\*\*  
A B C

A = STD. JUMPER I.D. No

B = CIRCUIT SIZE  
2 THRU 10

C = DENOTES LENGTH  
1.000" TO 8.000"

|                                                                                                                                   |  |                               |                                                                                                                                                                   |                                                                                                                                                                   |                                                                                          |                      |                           |                                              |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------|---------------------------|----------------------------------------------|--|
| SEE CHANGE DETAIL<br>EC NO: THL2008-0019<br>DRWN:CPANSAKHOM 2007/12/07<br>CHKD:NCHALERM 2007/12/11<br>APPR:SVIRATJAPOL 2007/12/20 |  | QUALITY SYMBOLS<br>▽=3<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± ---° | DIMENSION STYLE<br>IN/MM<br>DRAWN BY CPANSAKHOM DATE 2006/06/01<br>CHECKED BY PMEECHAI DATE 2006/06/01<br>APPROVED BY SVIRATJAPOL DATE 2006/06/01<br>MATERIAL NO. | SCALE<br>NTS<br>TITLE<br>STANDARD JUMPER<br>.100" CTRS PVC INSULATED<br>24 AWG TOPCOATED | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION | MOLEX INCORPORATED<br>SD-25002-001<br>1 OF 1 |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                        |  | SEE CHART                     |                                                                                                                                                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                  |                                                                                          |                      |                           |                                              |  |