

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0082285550](#)  
**Status:** **Active**  
**Description:** 1.27mm (.050") Pitch Round Conductor Flat Cable - 28 AWG (7 x 36) Stranded  
Topcoat, 50 Circuits, Reel 30.48m (100.0' ) Length

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR61126  
UL E61522

**General**

Product Family Cable  
Series [40158](#)  
Crimp Quality Equipment Yes  
Geographic Area Asia  
Product Name Ribbon

**Physical**

Cable Length 30.48m (100.0' )  
Circuits (Loaded) 50  
Insulation PVC  
Packaging Type Reel  
Pitch - Term. Interface (in) 0.050 In  
Pitch - Term. Interface (mm) 1.27 mm  
Temperature Range - Operating -20°C to +105°C  
Wire Size AWG 28  
Wire/Cable Type (7x36) Stranded, Topcoat

**Electrical**

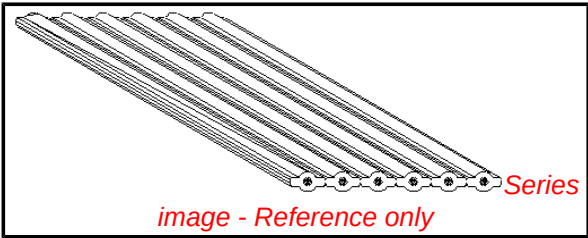
Current - Maximum per Contact N/A  
Voltage - Maximum 300V

**Material Info**

Old Part Number 40158-50-100B

**Reference - Drawing Numbers**

Sales Drawing SD-40158-001



**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](#)

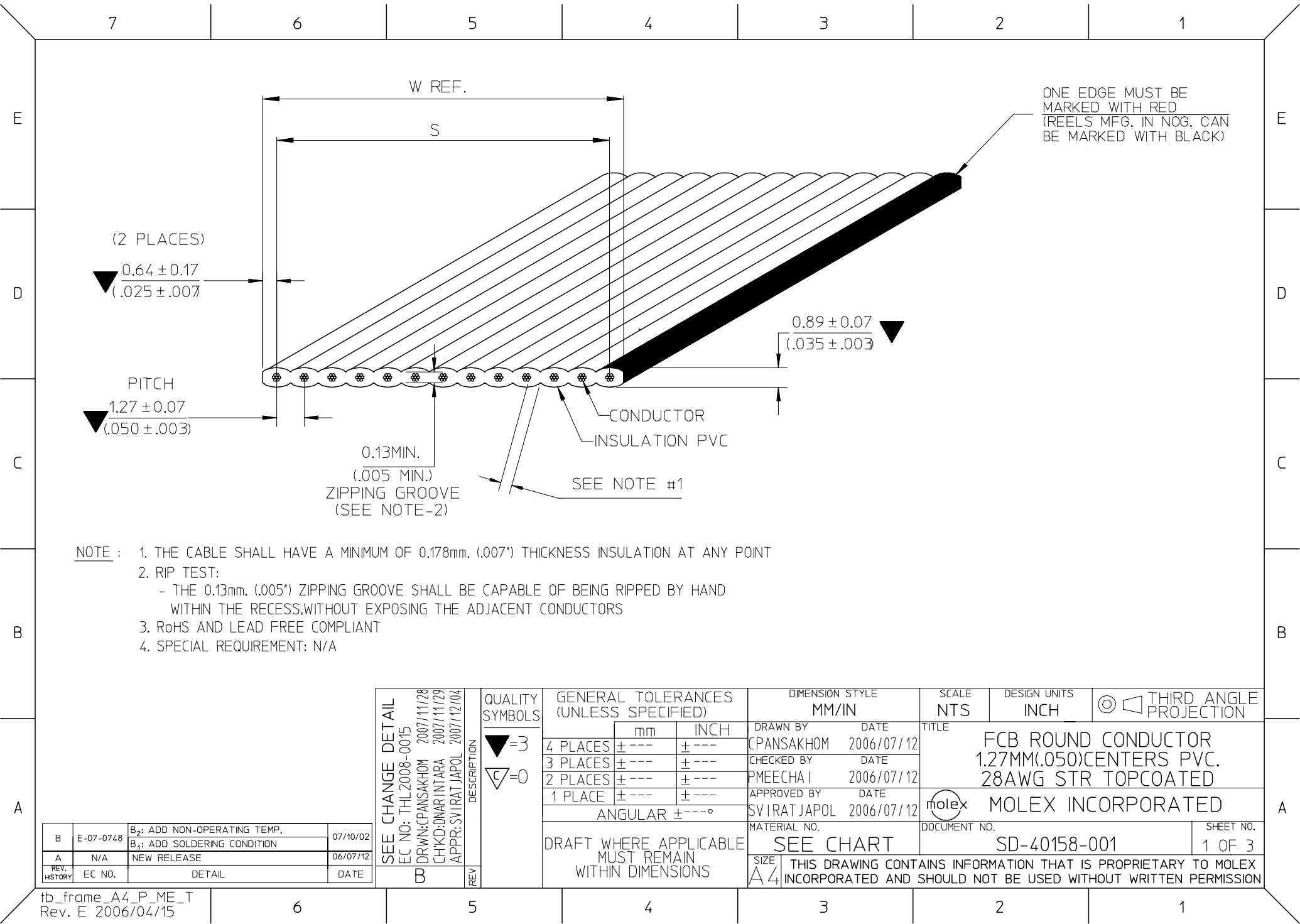
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**

[40158Series](#)

**Use With**

[70121](#) MX-50™ Slimline Ribbon Cable.  
[90584](#) Picoflex® PF-50 IDT Receptacle



|              |           |                                                                                      |          |
|--------------|-----------|--------------------------------------------------------------------------------------|----------|
| B            | E-07-0748 | B <sub>2</sub> : ADD NON-OPERATING TEMP.<br>B <sub>4</sub> : ADD SOLDERING CONDITION | 07/10/02 |
| A            | N/A       | NEW RELEASE                                                                          | 06/07/12 |
| REV. HISTORY | EC NO.    | DETAIL                                                                               | DATE     |

|                            |                             |
|----------------------------|-----------------------------|
| SEE CHANGE DETAIL          | DESCRIPTION                 |
| EC NO: THL2008-0015        | DRWN:CPANSAKHOM 2007/11/28  |
| CHKD:DNARINTARA 2007/11/29 | APPR:SVIRATJAPOL 2007/12/04 |
| B                          | REV                         |

|                 |
|-----------------|
| QUALITY SYMBOLS |
| ▽=3             |
| ▽=0             |

| 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      | 2006/07/12 |
| CHECKED BY      | DATE       |
| PMEECHAI        | 2006/07/12 |
| APPROVED BY     | DATE       |
| SVIRATJAPOL     | 2006/07/12 |
| MATERIAL NO.    |            |
| SEE CHART       |            |
| SIZE            |            |
| A4              |            |

|                                                                                                                 |                      |                           |                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------|---------------------------|---------------------|
| SCALE<br>NTS                                                                                                    | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |                     |
| TITLE                                                                                                           |                      |                           |                     |
| FCB ROUND CONDUCTOR<br>1.27MM(.050)CENTERS PVC.<br>28AWG STR TOPCOATED                                          |                      |                           |                     |
| MOLEX INCORPORATED                                                                                              |                      |                           |                     |
| DOCUMENT NO.<br>SD-40158-001                                                                                    |                      |                           | SHEET NO.<br>1 OF 3 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                           |                     |

## D

## C

B

## A

tb\_frame\_A4\_P\_ME\_T  
Rev. E 2006/04/15

## 6

5

## 4

3

$$Z$$

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A

