

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0923161208  
**Status:** Active  
**Overview:** picoflex  
**Description:** Picoflex® PF-50 IDT-Board In, 12 Circuits, 0.08m (3.15") Length

**Documents:**  
[3D Model](#) [Product Specification PS-99020-0011 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                        |                      |
|------------------------|----------------------|
| Product Family         | Cable Assemblies     |
| Series                 | 92316                |
| Connector to Connector | Picoflex® PCB-to-IDT |
| Overview               | picoflex             |
| Product Name           | Picoflex®            |

**Physical**

|                                |                                          |
|--------------------------------|------------------------------------------|
| Cable Length                   | 0.08m (3.15")                            |
| Circuits (Loaded)              | 12                                       |
| Color - Resin                  | Natural                                  |
| Gender                         | Female-Female                            |
| Lock to Mating Part            | None                                     |
| Material - Metal               | Phosphor Bronze                          |
| Material - Plating Mating      | Tin                                      |
| Material - Plating Termination | Tin                                      |
| Material - Resin               | Polyester                                |
| Packaging Type                 | Bag                                      |
| Pitch - Mating Interface (in)  | 0.050 In                                 |
| Pitch - Mating Interface (mm)  | 1.27 mm                                  |
| Plating min: Mating (µin)      | 80.00                                    |
| Plating min: Mating (µm)       | 2.000                                    |
| Plating min: Termination (µin) | 80.00                                    |
| Plating min: Termination (µm)  | 2.00                                     |
| Single Ended                   | No                                       |
| Termination Interface: Style   | IDT or Pierce, Through Hole - Kinked Pin |
| Waterproof / Dustproof         | No                                       |
| Wire Insulation Diameter       | N/A                                      |
| Wire Size AWG                  | 28                                       |
| Wire/Cable Type                | PVC, Ribbon Cable                        |

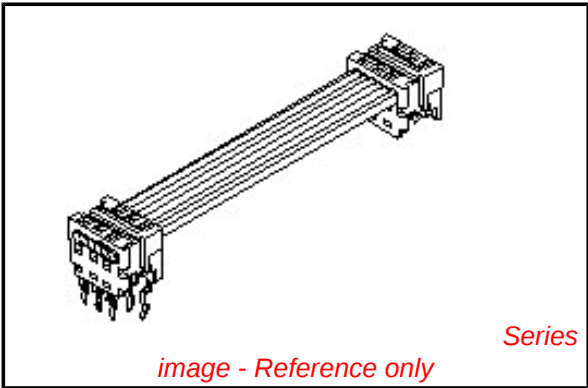
**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.2A |
| Shielded                      | No   |
| Voltage - Maximum             | 250V |

**Material Info**

**Reference - Drawing Numbers**

|                       |               |
|-----------------------|---------------|
| Product Specification | PS-99020-0011 |
| Sales Drawing         | SD-92316-001  |



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Not Reviewed**  
**Halogen-Free**  
**Status**  
**Not Reviewed**



**Need more information on product environmental compliance?**

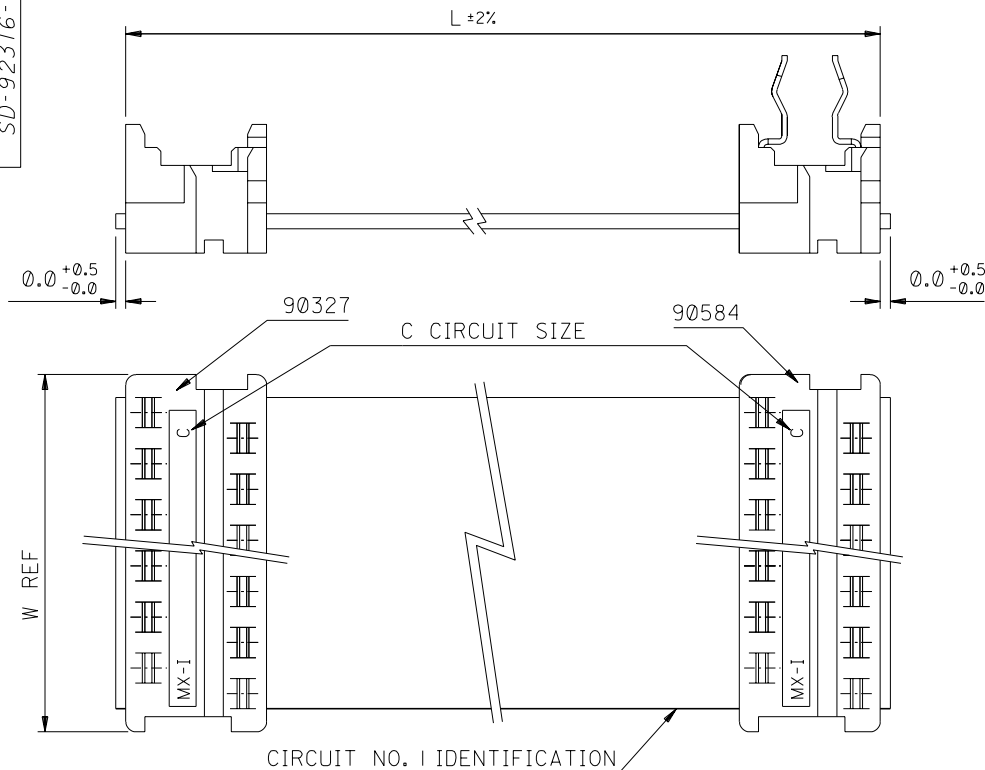
Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

**Search Parts in this Series**  
92316Series

**Mates With**  
Picoflex® PF-50 Header [90325](#) , [90800](#) ,  
[90779](#) , [90715](#) , [90814](#)

PART NO. SEE CHART  
Dwg. NO. SD-92316-001



## ORDERING INFORMATION

92316-\*\*\*\*

CIRCUIT SIZE  
LENGTH L IN CENTIMETRES

LENGTHS AVAILABLE FROM 6 CM TO 120 CM

e.g. 92316-1208 = 12 CIRCUIT  
WITH LENGTH L OF 8 CM.

NOTE : FOR LENGTHS OF  
100 CM , THE PART NO. IS 92316-\*\*\*01  
105 CM , THE PART NO. IS 92316-\*\*\*02  
110 CM , THE PART NO. IS 92316-\*\*\*03  
115 CM , THE PART NO. IS 92316-\*\*\*04  
120 CM , THE PART NO. IS 92316-\*\*\*05

## 90327 CONNECTOR

| CIRCUIT SIZE | DIMENSION W |
|--------------|-------------|
| 4            | 7.59        |
| 6            | 10.13       |
| 8            | 12.67       |
| 10           | 15.21       |
| 12           | 17.75       |
| 14           | 20.29       |
| 16           | 22.83       |
| 18           | 25.37       |
| 20           | 27.91       |
| 22           | 30.45       |
| 24           | 32.99       |
| 26           | 35.53       |

## 90584 CONNECTOR

| CIRCUIT SIZE | DIMENSION W |
|--------------|-------------|
| 4            | 7.59        |
| 6            | 10.13       |
| 8            | 12.67       |
| 10           | 15.21       |
| 12           | 17.75       |
| 14           | 20.29       |
| 16           | 22.83       |
| 18           | 25.37       |
| 20           | 27.91       |
| 22           | 30.45       |
| 24           | 32.99       |
| 26           | 35.53       |

### CABLE DETAILS:

28 AWG , 1.27 MM PITCH , 7 STRANDS WITH TINNED COPPER ,  
GREY PVC INSULATION WITH A COLOURED POLARITY STRIPE  
INDICATING CIRCUIT NO. 1 , UL 2651.

### NOTES:

1. SEE PRODUCT SPECIFICATIONS PS-99020-0011.
2. SEE TERMINATION SPECIFICATION ES-99033-0001.
3. SEE TERMINATION SPECIFICATION ES-99033-0002.
4. SEE CABLE SPECIFICATION ES-99027-0006.
5. HARNESSES WILL BE 100% ELECTRICALLY TESTED FOR SHORTS AND DISCONTINUITIES.

REF DIM ADDED  
EC NO. 2003-0374  
DRAWN: P.FINN 02/10/21  
CHK: / /  
APP: / /

QUALITY SYMBOLS  
MAJOR  
CRITICAL

GENERAL TOLERANCES:  
(UNLESS SPECIFIED)

|          | mm  | INCH |
|----------|-----|------|
| 4 PLACES | ±0. | ±.   |
| 3 PLACES | ±0. | ±.   |
| 2 PLACES | ±0. | ±.   |
| 1 PLACE  | ±0. | ±.   |

ANGULAR: ± 1/2 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE  
4 : 1

DESIGN UNITS  
☒ mm ☐ INCH

DRAWN BY & DATE  
MCURRAN 98/06/19

CHECKED BY & DATE  
AMcCANN 98/06/19

APPROVED BY & DATE  
MWILHITE 98/06/19

CAD FILENAME  
S92316X1.DGN

TITLE: PICOFLEX IDT TO BOARD-IN  
STANDARD ASSEMBLIES

MATERIAL NO.  
SEE CHART

DRAWING NO.  
SD-92316-001

SHEET NO.  
1 OF 1

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