

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0906351303

Status:

Active

Overview:

qf50

Description:

1.27mm (.050") Pitch QF-50™, Single Beam, Vertical MIL/DIN Version, 0.38µm (15µ") Gold (Au), 30 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-99020-0015 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Comments

Component Type

Glow-Wire Compliant

Overview

Product Name

Ribbon Cable / Wire Trap Connectors

90635

Preloaded Upper Housing

Housing

No

qf50

QF-50™

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Entry Angle

Flammability

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire/Cable Type

30

Black

300

90° Angle

94V-0

None

Phosphor Bronze

Gold

Tin

Polyester

2

None

Tray

0.050 In

1.27 mm

15.2

0.38

39

1

Yes

Fully

No

N/A

-25°C to +85°C

IDT or Pierce

1.14mm (.045") max.

26, 28

Ribbon Cable

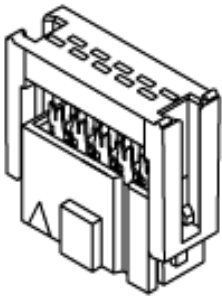
Electrical

Current - Maximum per Contact

Voltage - Maximum

1A

250V AC/DC



Series

image - Reference only

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

90635Series

Mates With

90663

Use With

90170

Application Tooling | [FAQ](#)

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

| Description                                                           | Product #  |
|-----------------------------------------------------------------------|------------|
| Semi-Automatic Bench Press PB15 C/W Cable Sensor for 90635 Connectors | 0691271150 |
| Changehead for Parallel                                               | 0690080250 |

Material Info

Reference - Drawing Numbers

Product Specification  
Sales Drawing

PS-99020-0015  
SDA-90635

Action Handtool  
69008-0949, for  
QF-50™ and  
MX-50™ Connectors  
Arbor Press Fixture 0690200680

This document was generated on 05/31/2010

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

10 9 8 7 6 5 4 3 2 1

NOTES: 1. MATERIAL:

HOUSING: POLYESTER, G.F. (UL 94V-0), COLOUR - BLACK.

TERMINAL: PHOSPHOR BRONZE.

2. TERMINAL PLATING:

90635-\*\*\*1 : CONTACT AREA: GOLD FLASH (0.1um)/ 4uin MIN.

I.D. AREA: TIN (1um)/ 39uin MIN. OVER

NICKEL (1um)/ 39uin MIN.

90635-\*\*\*2 :CONTACT AREA: GOLD (0.76um)/ 30uin MIN

I.D. AREA: TIN (1um)/ 39uin MIN. OVER

NICKEL (1um)/ 39uin MIN.

90635-\*\*\*3 :CONTACT AREA: GOLD (0.38um)/ 15uin MIN

I.D. AREA: TIN (1um)/ 39uin MIN. OVER

NICKEL (1um)/ 39uin MIN.

90635-\*\*\*4 :CONTACT AREA: GOLD (0.51um)/ 20uin MIN

I.D. AREA: TIN (1um)/ 39uin MIN. OVER

NICKEL (1um)/ 39uin MIN.. 20 & 50 CIRCUIT SIZES ONLY

3. FOR USE WITH No. 26 & 28 AWG STRANDED WIRE (7 CONDUCTORS)  
AND No. 28 SOLID WIRE 1.14/(.045) DIA. MAX. INSULATION RIBBON  
CABLE WITH 1.27/(.050) CENTERS.

4. MATING STRAIN RELIEF: MOLEX No. 90170.

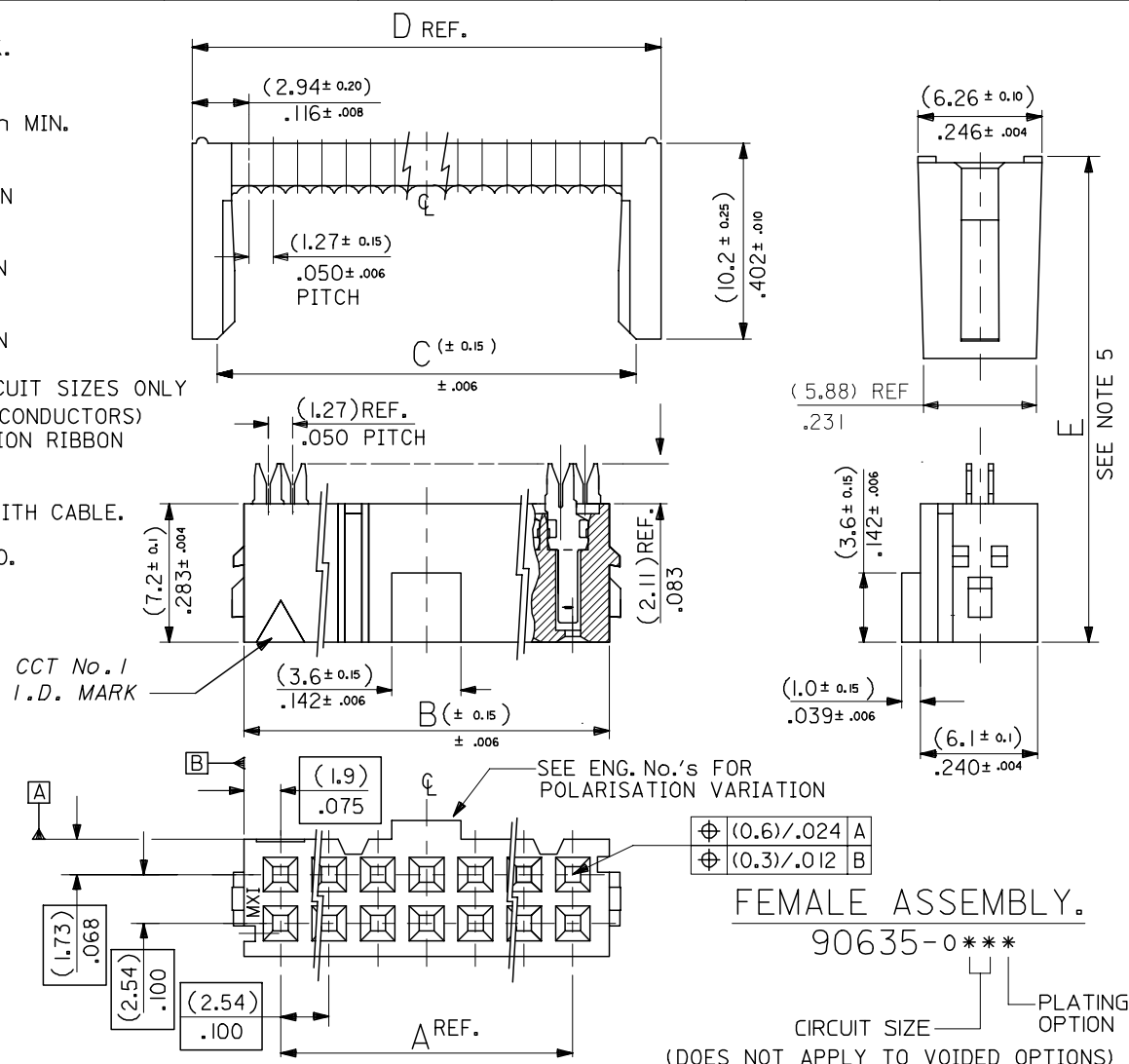
5. DIMENSION "E" IS TOTAL HEIGHT AFTER ASSEMBLED WITH CABLE.  
E= 10.5/(.413) REF. WITHOUT STRAIN RELIEF.

E= (15.2)/.598 MAX. WITH STRAIN RELIEF No. 90170.

(14.5)/.571 REF. WHEN COMPRESSED .

6. FOR PRODUCT SPECIFICATION, SEE PS 99020-0015.

|                |           |                  |                  |                  |                  |
|----------------|-----------|------------------|------------------|------------------|------------------|
| 64             | 90635-64* | (78.74)<br>3.100 | (82.54)<br>3.250 | (83.31)<br>3.280 | (85.88)<br>3.381 |
| 60             | 90635-60* | (73.66)<br>2.900 | (77.46)<br>3.050 | (78.23)<br>3.080 | (80.80)<br>3.181 |
| 50             | 90635-50* | (60.96)<br>2.400 | (64.76)<br>2.55  | (65.53)<br>2.580 | (68.10)<br>2.681 |
| 40             | 90635-40* | (48.26)<br>1.900 | (52.06)<br>2.050 | (52.83)<br>2.080 | (55.40)<br>2.181 |
| 34             | 90635-34* | (40.64)<br>1.600 | (44.44)<br>1.750 | (45.21)<br>1.780 | (47.78)<br>1.881 |
| 30             | 90635-30* | (35.56)<br>1.400 | (39.36)<br>1.550 | (40.13)<br>1.580 | (42.70)<br>1.681 |
| 26             | 90635-26* | (30.48)<br>1.200 | (34.28)<br>1.350 | (35.05)<br>1.380 | (37.62)<br>1.481 |
| 24             | 90635-24* | (27.94)<br>1.100 | (31.74)<br>1.250 | (32.51)<br>1.280 | (35.08)<br>1.381 |
| 20             | 90635-20* | (22.86)<br>.900  | (26.66)<br>1.050 | (27.43)<br>1.080 | (30.00)<br>1.181 |
| 16             | 90635-16* | (17.78)<br>.700  | (21.58)<br>.850  | (22.35)<br>.880  | (24.92)<br>.981  |
| 14             | 90635-14* | (15.24)<br>.600  | (19.04)<br>.750  | (19.81)<br>.780  | (22.38)<br>.881  |
| 10             | 90635-10* | (10.16)<br>.400  | (13.96)<br>.550  | (14.73)<br>.580  | (17.30)<br>.681  |
| NO. OF<br>CKT. | ENG. NO.  | A                | B                | C                | D REF.           |



|                                                                                                                         |                                                                                                                                             |                                      |                                          |       |           |                          |                    |                                                   |                        |                           |  |  |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|-------|-----------|--------------------------|--------------------|---------------------------------------------------|------------------------|---------------------------|--|--|
| REMOVED<br>POLARIZATION<br>EC NO: E2007-0495<br>DRWN:DBYRNES 2006/12/06<br>CHKD: 2006/12/07<br>APPR:EOMAHONY 2006/12/07 | DESCRIPTION                                                                                                                                 | QUALITY<br>SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |       |           | DIMENSION STYLE<br>MM/IN |                    | SCALE<br>4:1                                      | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                         |                                                                                                                                             |                                      |                                          | mm    | INCH      | DRAWN BY<br>POB          | DATE<br>1990/09/25 | TITLE<br>QIK FLECS SINGLE BEAM<br>FEMALE ASSEMBLY |                        |                           |  |  |
|                                                                                                                         |                                                                                                                                             |                                      | 4 PLACES                                 | ± --- | ± ---     | CHECKED BY<br>JDENNEHY   | DATE<br>2005/08/10 |                                                   |                        |                           |  |  |
|                                                                                                                         |                                                                                                                                             |                                      | 3 PLACES                                 | ± --- | ± ---     | APPROVED BY<br>JDENNEHY  | DATE<br>2005/08/10 |                                                   |                        |                           |  |  |
|                                                                                                                         |                                                                                                                                             |                                      | 2 PLACES                                 | ± --- | ± ---     | MOLEX MOLEX INCORPORATED |                    |                                                   |                        |                           |  |  |
|                                                                                                                         |                                                                                                                                             |                                      | 1 PLACE                                  | ± --- | ± ---     |                          |                    |                                                   |                        |                           |  |  |
|                                                                                                                         |                                                                                                                                             |                                      | ANGULAR ± ---°                           |       |           | MATERIAL NO.             |                    | DOCUMENT NO.                                      |                        | SHEET NO.                 |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                              |                                                                                                                                             |                                      | SEE CHART                                |       | SDA-90635 |                          | 1 OF 3             |                                                   |                        |                           |  |  |
| REV                                                                                                                     | SIZE<br>A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                      |                                          |       |           |                          |                    |                                                   |                        |                           |  |  |

9 8 7 6 5 4 3 2 1

