

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0906351241](#)
Status: **Active**
Overview: [qf50](#)
Description: 1.27mm (.050") Pitch QF-50™, Single Beam, Vertical MIL/DIN Version, 0.10µm (4µ") Gold (Au), 24 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-99020-0015 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

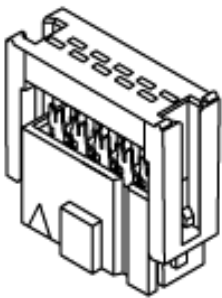
Product Family Ribbon Cable / Wire Trap Connectors
Series [90635](#)
Comments Preloaded Upper Housing
Component Type Housing
Glow-Wire Compliant No
Overview [qf50](#)
Product Name QF-50™

Physical

Circuits (Loaded) 24
Color - Resin Black
Durability (mating cycles max) 300
Entry Angle 90° Angle
Flammability 94V-0
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Polyester
Number of Rows 2
PCB Retention None
Packaging Type Tray
Pitch - Mating Interface (in) 0.050 In
Pitch - Mating Interface (mm) 1.27 mm
Plating min: Mating (µin) 4
Plating min: Mating (µm) 0.1
Plating min: Termination (µin) 39
Plating min: Termination (µm) 1
Polarized to Mating Part Yes
Shrouded Fully
Stackable No
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -25°C to +85°C
Termination Interface: Style IDT or Pierce
Wire Insulation Diameter 1.14mm (.045") max.
Wire Size AWG 26, 28
Wire/Cable Type Ribbon Cable

Electrical

Current - Maximum per Contact 1A
Voltage - Maximum 250V AC/DC



Series

image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email 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	0691271150
PB15 C/W Cable Sensor for 90635 Connectors	
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 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.

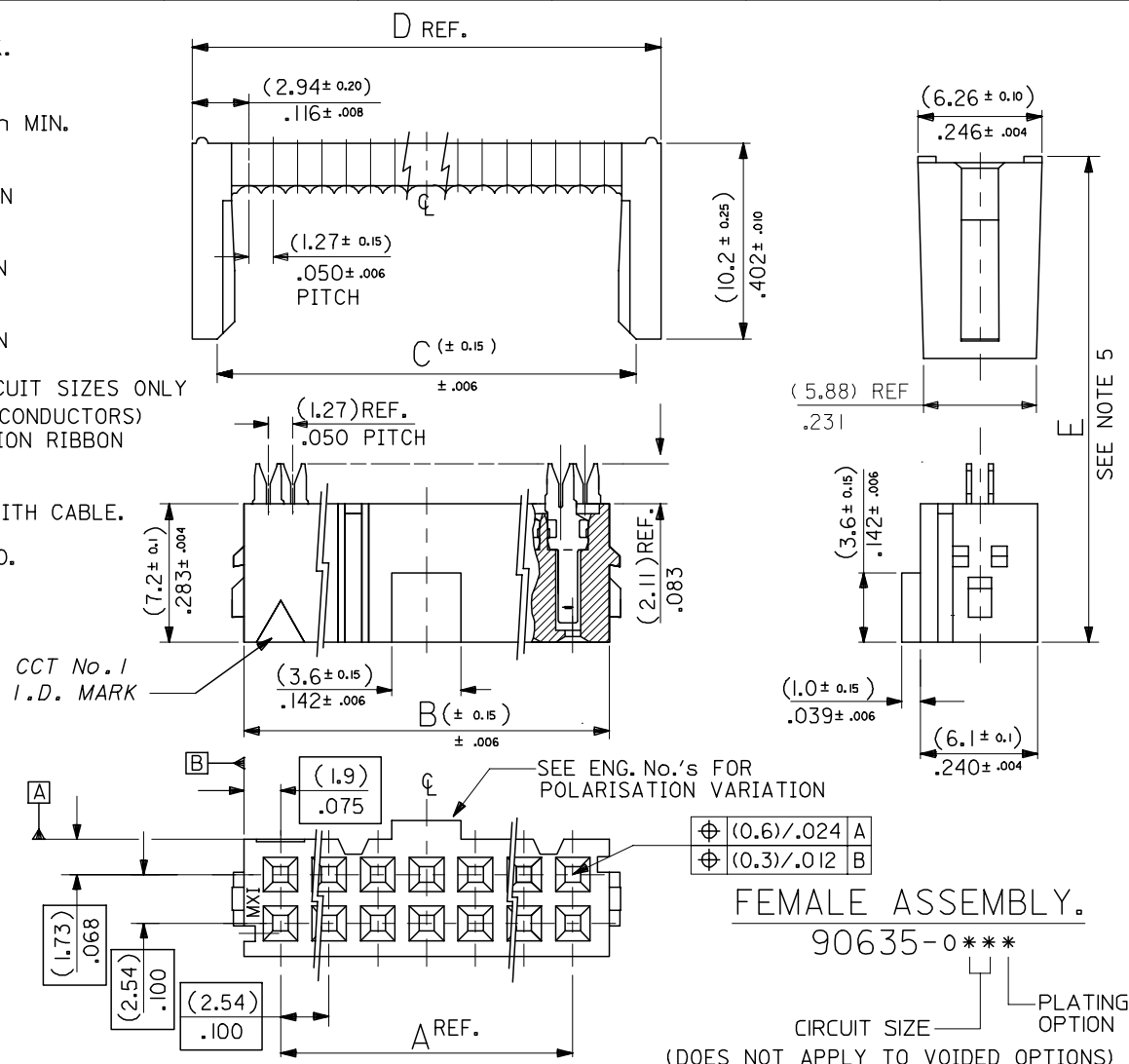
5. DIMENSION "E" IS TOTAL HEIGHT AFTER ASSEMBLED WITH CABLE.
E= 10.5/(.413) REF. WITHOUT STRAIN RELIEF.

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



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

9 8 7 6 5 4 3 2 1

