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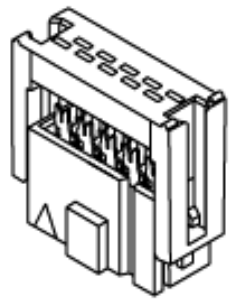
Part Number: 0906351101
Status: Active
Overview: qf50
Description: 1.27mm (.050") Pitch QF-50™, Single Beam, Vertical MIL/DIN Version, 0.10µm (4µ") Gold (Au), 10 Circuits



Series image - Reference only

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)	10
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

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

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 PB15 C/W Cable Sensor for 90635 Connectors	0691271150
Changehead for Parallel	0690080250

Material Info

Reference - Drawing Numbers

Product Specification	PS-99020-0015
Sales Drawing	SDA-90635

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

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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

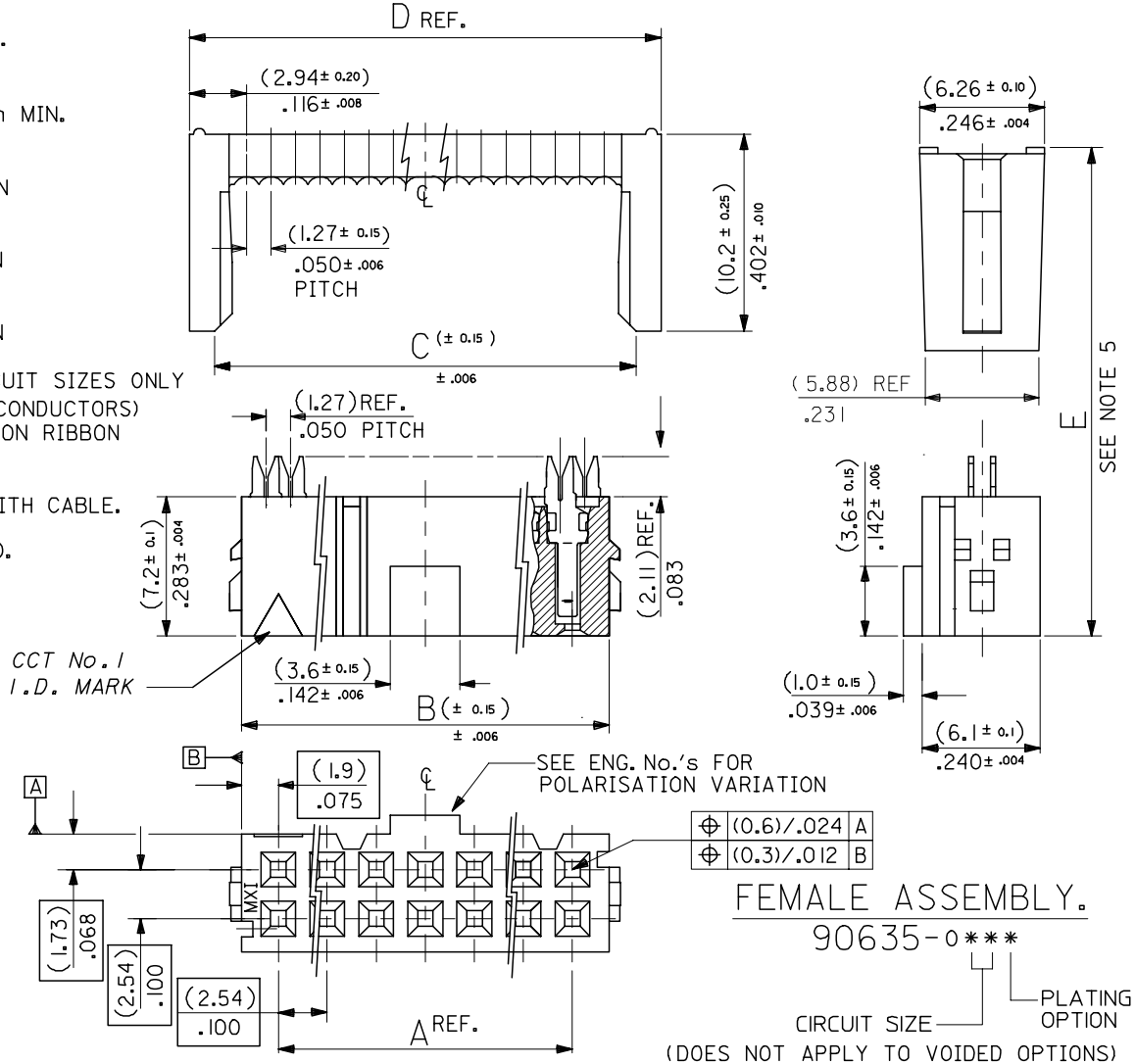
3. FOR USE WITH No. 26 & 28 AWG STRANDED WIRE (7 CONDUCTORS) AND No. 28 SOLID WIRE 1.14/(.045) DIA. MAX. INSULATION RIBBON CABLE WITH 1.27/(.050) CENTERS.

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.



FEMALE ASSEMBLY.
90635-0***
CIRCUIT SIZE
PLATING OPTION
(DOES NOT APPLY TO VOIDED OPTIONS)

REMOVED POLARISATION EC NO: E2007-0495 2006/12/06
DRWN:DBYRNES 2006/12/07
CHKD:
APPR:EOMAHONY 2006/12/07
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=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
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: POB DATE: 1990/09/25
CHECKED BY: JDENNEHY DATE: 2005/08/10
APPROVED BY: JDENNEHY DATE: 2005/08/10
MATERIAL NO.: SEE CHART

TITLE: QIK FLECS SINGLE BEAM FEMALE ASSEMBLY

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DOCUMENT NO.: SDA-90635
SHEET NO.: 1 OF 3

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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40	90635-*40* / 90635-9402 (CUSTOMER SPECIFIC)	(48.26) 1.900	(52.06) 2.050	(55.40) 2.181
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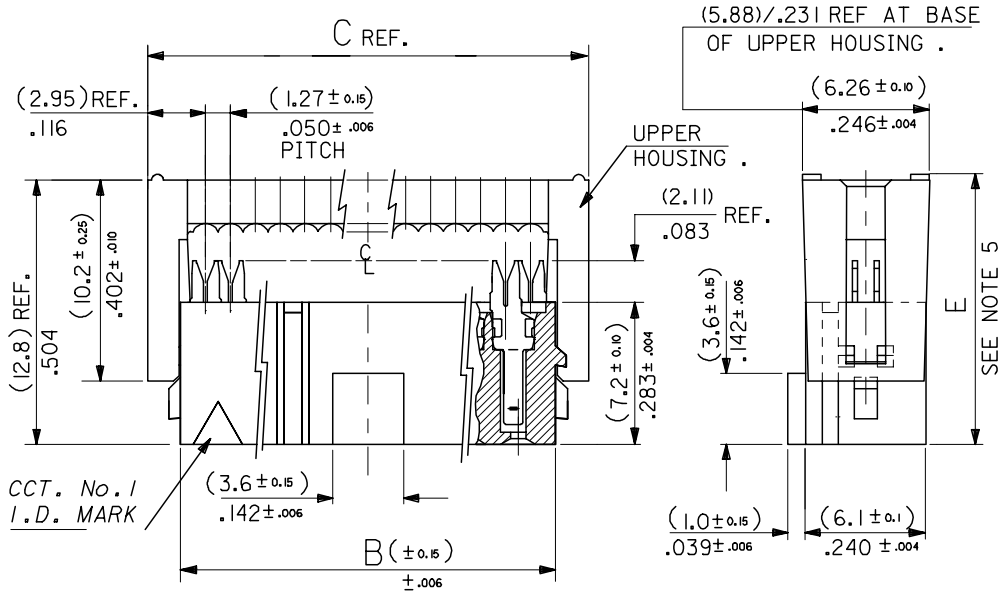

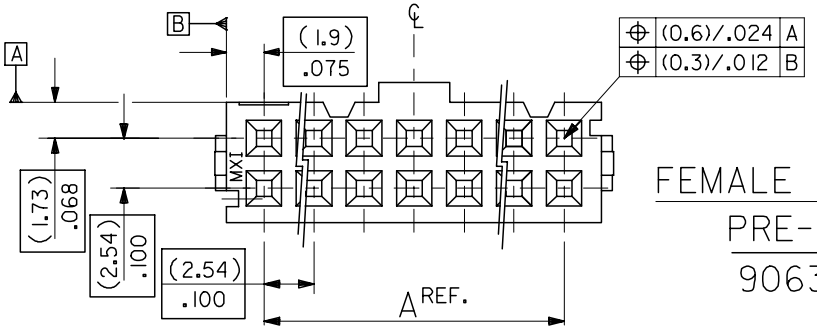

FEMALE ASSEMBLY. PRE-LOADED.

90635-****

WITH POLARISATION =1 OR 9

CIRCUIT SIZE

PLATING OPTION

REMOVED OPTION
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