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Part Number: [0906359402](#)
Status: **Active**
Overview: [qf50](#)
Description: 1.27mm (.050") Pitch QF-50™, Single Beam, Vertical MIL/DIN Version, 0.76µm (30µ") Gold (Au), 40 Circuits

Documents:

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

General

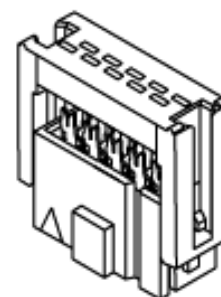
Product Family	Ribbon Cable / Wire Trap Connectors
Series	90635
Comments	Preloaded Upper Housing
Component Type	Housing
Glow-Wire Compliant	No
Overview	qf50
Product Name	QF-50™

Physical

Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Black
Durability (mating cycles max)	300
Entry Angle	90° Angle
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 Locator	No
PCB Retention	None
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	39
Plating min: Termination (µm)	1
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
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](#)

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

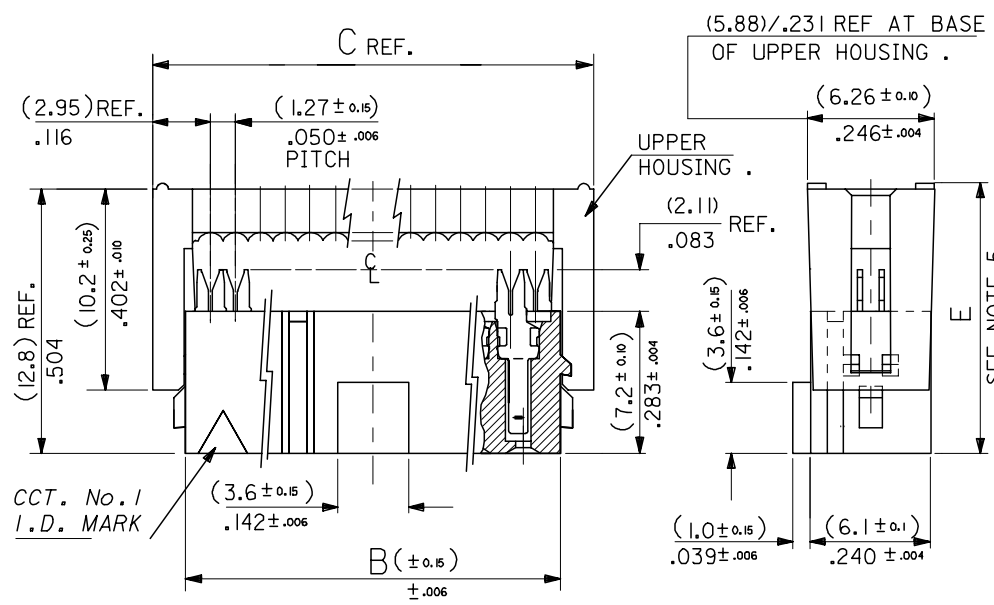
PS-99020-0015

SDA-90635

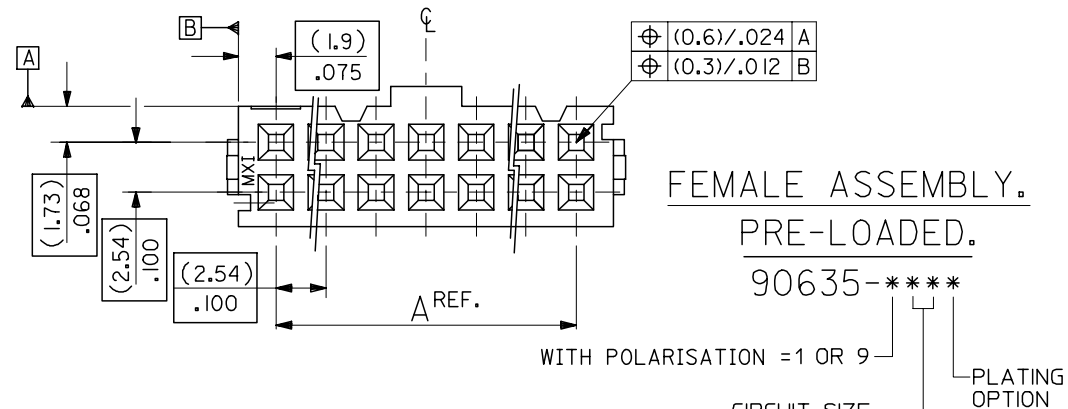
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- NOTES: 1. MATERIAL:
HOUSING: POLYESTER, G.F. (UL 94V-0), COLOUR - BLACK.
TERMINAL: PHOSPHOR BRONZE.
2. TERMINAL PLATING:
90635-***1 : CONTACT AREA: GOLD FLASH (0.1um)/ 4uin MIN.
I.D. AREA: TIN (1um)/ 39uin MIN. OVER
NICKEL (1um)/ 39uin MIN.
90635-***2 : 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.
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	(85.88) 3.381
60	90635-*60*	(73.66) 2.900	(77.46) 3.050	(80.80) 3.181
50	90635-*50*	(60.96) 2.400	(64.76) 2.55	(68.10) 2.681
40	90635-*40*	(48.26) 1.900	(52.06) 2.050	(55.40) 2.181
	90635-9402 (CUSTOMER SPECIFIC)			
34	90635-*34*	(40.64) 1.600	(44.44) 1.750	(47.78) 1.881
30	90635-*30*	(35.56) 1.400	(39.36) 1.550	(42.70) 1.681
26	90635-*26*	(30.48) 1.200	(34.28) 1.350	(37.62) 1.481
24	90635-*24*	(27.94) 1.100	(31.74) 1.250	(35.08) 1.381
20	90635-*20*	(22.86) .900	(26.66) 1.050	(30.00) 1.181
16	90635-*16*	(17.78) .700	(21.58) .850	(24.92) .981
14	90635-*14*	(15.24) .600	(19.04) .750	(22.38) .881
10	90635-*10*	(10.16) .400	(13.96) .550	(17.30) .681
No. OF CKT.	ENG. NO.	A	B	C



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