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Part Number:

0905711342

Status:

Active

Description:

2.54mm (.100") Pitch QF-50™ Header, Vertical, Dual Row, Shrouded, DIN Keying, with Latch/Eject Levers, 34 Circuits, 0.76 µm Gold (Au)

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Ribbon Cable / Wire Trap Connectors
Series	90571
Comments	Eject Levers
Component Type	PCB Header
Glow-Wire Compliant	No
Product Name	QF-50™

Physical

Circuits (Loaded)	34
Circuits (maximum)	34
Color - Resin	Black
Durability (mating cycles max)	300
Entry Angle	Vertical
Flammability	94V-0
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	120
Plating min: Termination (µm)	3
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Yes
Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Through Hole
Wire Insulation Diameter	N/A
Wire Size AWG	N/A



Series

image - Reference only

EU RoHS Compliance Status Not Reviewed REACH SVHC Not Reviewed Halogen-Free Status Not Reviewed	China RoHS
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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

90571Series

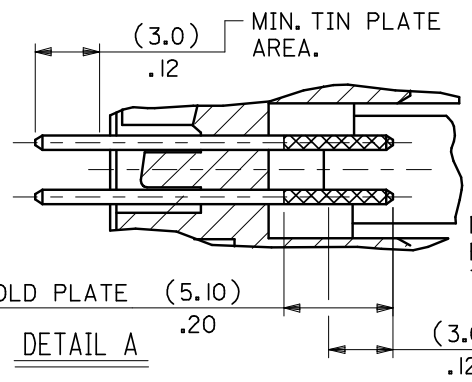
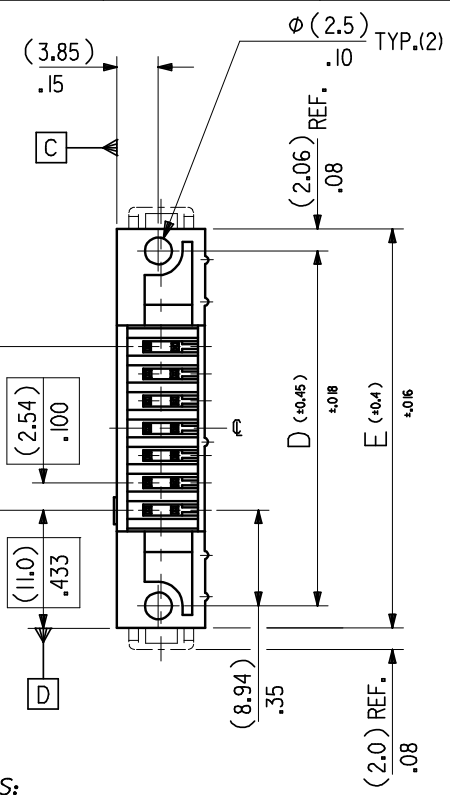
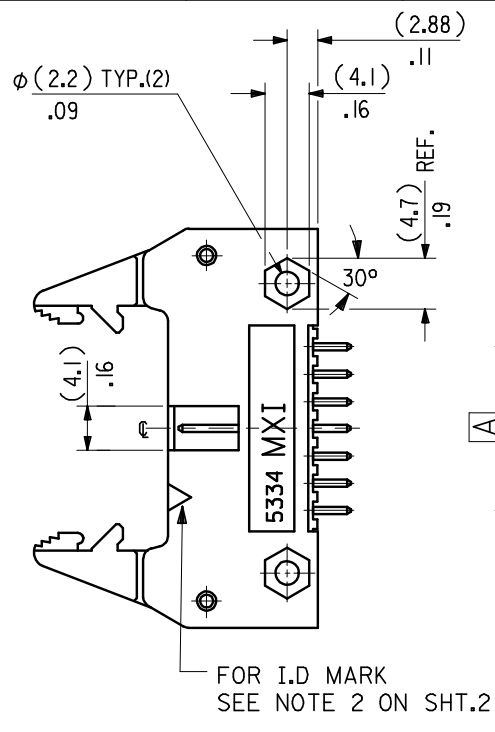
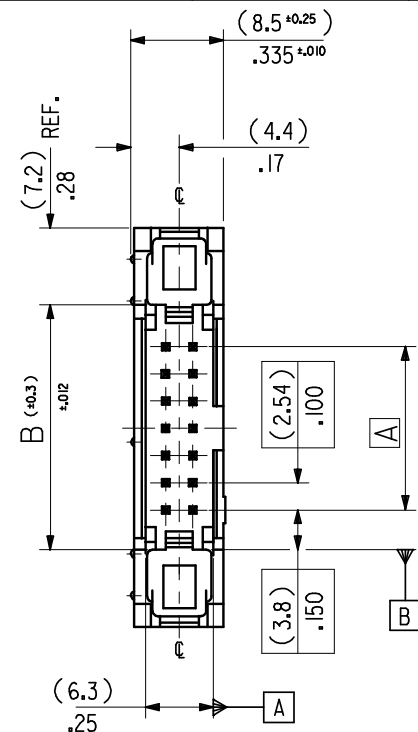
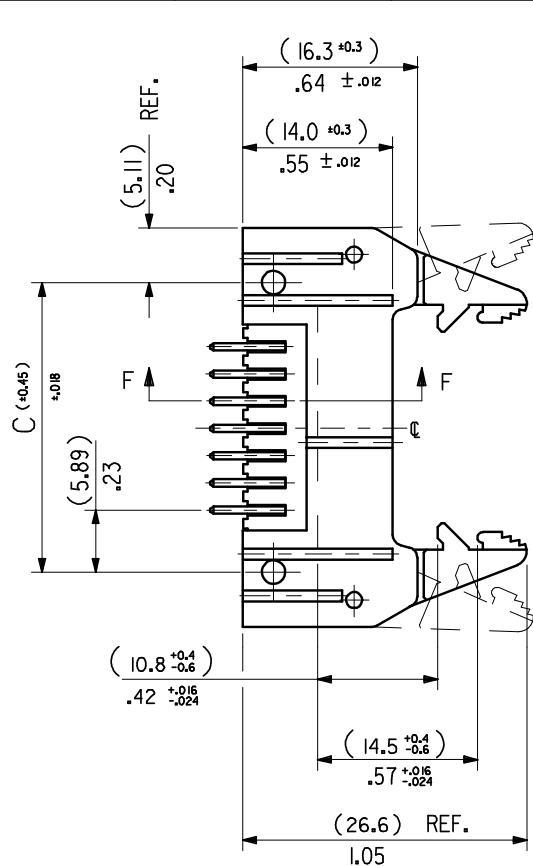
Mates With

90635 QF-50™ Female Housing

Wire/Cable Type	Ribbon Cable
Electrical	
Current - Maximum per Contact	1A
Voltage - Maximum	250V
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SDA-90571

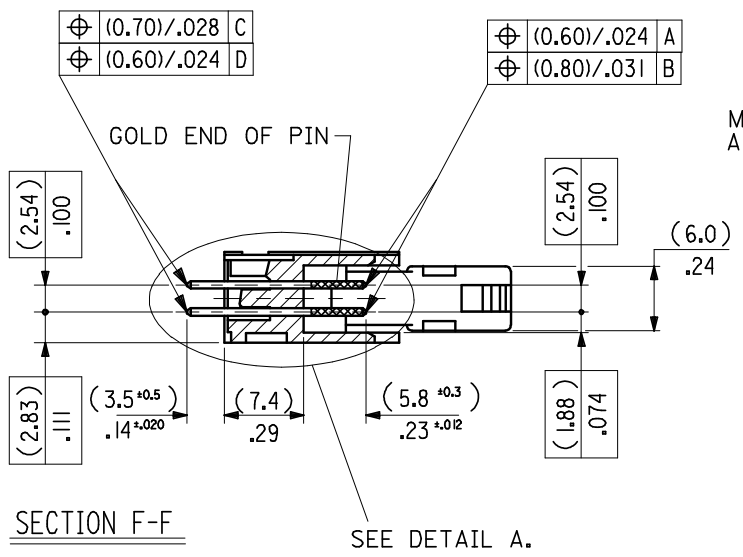
This document was generated on 06/08/2010

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DIMENSIONS FOR SELECTIVE PLATING'S, SCALE 4:1

- NOTES:
- 1: FOR MATERIAL SPECIFICATION SEE NOTE 1. ON SHEET 2.
 - 2: FOR RECOMMENDED P.C.B.HOLE PATTERN, PART No's AND UNSTATED DIMENSIONS SEE SHEET 2.
 - 3: PRODUCT SPEC. No. :PS 99020-0015



CHANGED GEN TOL.		EC NO: E2008-0461		DRWN:KIERMAN		2008/03/05		CHKD:		2008/03/06		APPR:BMAGUIRE		2008/03/06		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE				SCALE		DESIGN UNITS		 THIRD ANGLE PROJECTION	
																		IN/MM		DRAWN BY		DATE		TITLE									
REV		F		EC NO: E2008-0461		DRWN:KIERMAN		2008/03/05		CHKD:		2008/03/06		APPR:BMAGUIRE		DESCRIPTION		 =  =		4 PLACES		mm		INCH		SM		3 /8/90		QIK FLECS			
																				± ---		±		DATE									
																				3 PLACES		±		DATE									
																				2 PLACES		± 0.15		± .005		X							
																				1 PLACE		± 0.02		± .008		DATE							
REV		F		EC NO: E2008-0461		DRWN:KIERMAN		2008/03/05		CHKD:		2008/03/06		APPR:BMAGUIRE		DESCRIPTION		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
																				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SDA-90571		1 OF 4							
																				A3													

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(78.74)/3.100	(86.34)/3.400	(90.52)/3.564	(96.62)/3.804	(100.74)/3.966	90571-1641	90571-1642	90571-1643		64
(73.66)/2.900	(81.26)/3.200	(85.44)/3.364	(91.54)/3.604	(95.66)/3.766	↑ -1601	↑ -1602	↑ -1603		60
(60.96)/2.400	(68.56)/2.700	(72.74)/2.864	(78.84)/3.104	(82.96)/3.266	-1501	-1502	-1503	90571-1509	50
(48.26)/1.900	(55.86)/2.200	(60.04)/2.364	(66.14)/2.604	(70.26)/2.766	-1401	-1402	-1403	↑ -1409	40
(40.64)/1.600	(48.24)/1.900	(52.42)/2.064	(58.52)/1.304	(62.64)/2.466	-1341	-1342	-1343	-1349	34
(35.56)/1.400	(43.16)/1.700	(47.34)/1.864	(53.44)/2.104	(57.56)/2.266	-1301	-1302	-1303	-1309	30
(30.48)/1.200	(38.08)/1.500	(42.26)/1.664	(48.36)/1.904	(52.48)/2.066	-1261	-1262	-1263	-1269	26
(22.86)/.900	(30.46)/1.200	(34.64)/1.364	(40.74)/1.604	(44.86)/1.766	-1201	-1202	-1203	-1209	20
(17.78)/.700	(25.38)/1.000	(29.56)/1.164	(35.66)/1.404	(39.78)/1.566	-1161	-1162	-1163	-1169	16
(15.24)/.600	(22.84)/.900	(27.02)/1.064	(33.12)/1.304	(37.24)/1.466	↓ -1141	↓ -1142	↓ -1143	↓ -1149	14
(10.16)/.400	(17.76)/.700	(21.94)/.864	(28.04)/1.104	(32.16)/1.266	90571-1101	90571-1102	90571-1103	90571-1109	10
A	B	C	D	E	ENG. NO. GS1 PLATING	ENG. NO. GS2 PLATING	ENG. NO. GS3 PLATING	ENG. NO. PRE TIN	NO.OF CKTS.

NOTES

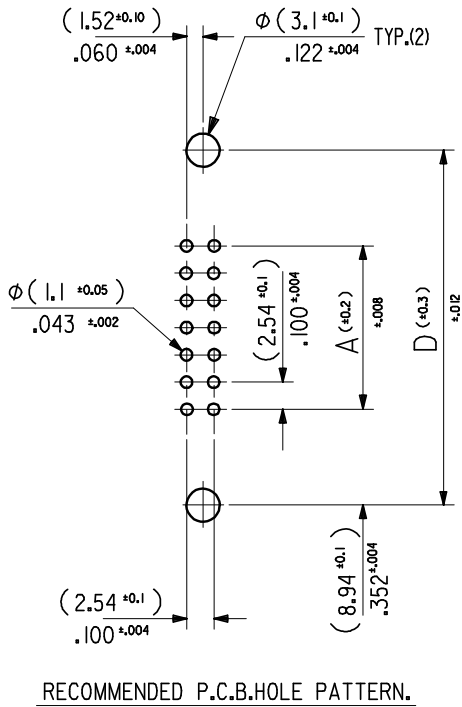
1.MATERIAL

HEADER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
PINS : BRASS SIZE $\square$ (0.635)/.025 .
LEVER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.

2.COLOUR IDENTIFICATION MARK FOR PLATING OPTIONS.

90571-1**1, (1um)/39uin MIN. NICKEL UNDERPLATE. CONTACT AREA
GS1 PLATING (0.1um)/4uin MIN. GOLD. SOLDER AREA (3um)/118uin MIN.
TIN. COLOUR MARK: YELLOW.
90571-1**2, (1um)/39uin MIN. NICKEL UNDERPLATE. CONTACT AREA
GS2 PLATING (0.76um)/30uin MIN. GOLD. SOLDER AREA (3um)/118uin MIN.
TIN. COLOUR MARK: BROWN.
90571-1**3, (1um)/39uin MIN. NICKEL UNDERPLATE. CONTACT AREA
GS3 PLATING (0.25um)/10uin MIN. GOLD. SOLDER AREA (3um)/118uin MIN.
TIN. COLOUR MARK: BLUE.
90571-1**9, (0.5-1um)/20-40uin NICKEL UNDER (1.0-3.0um)/39-118uin TIN.
PRE-TIN COLOUR MARK: BLACK, (NO MARK).

3. RECOMMENDED PCB THICKNESS 1.6mm



RECOMMENDED P.C.B.HOLE PATTERN.

CHANGED GEN TOL. EC NO: E2008-0461 DRWN: LK/ERNAN 2008/03/05 CHKD: 2008/03/06 APPR: BMAGUIRE 2008/03/06 REV	QUALITY SYMBOLS ▼ = ▽ =	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY SM SM	DATE 3 / 8 / 2000	TITLE QIK FLECS HEADER WITH DIN EJECT LEVERS FOR IMPROVED WIPE FEMALE					
			4 PLACES	± ---	±	CHECKED BY X	DATE						
			3 PLACES	±	±	APPROVED BY X		DATE	MOLEX INCORPORATED				
			2 PLACES	± 0.15	± .005								
			1 PLACE	± 0.20	± .008								
			ANGULAR ±1/2°			MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-90571		SHEET NO. 2 OF 4			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										