

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0905712309

Status:

Active

Description:

2.54mm (.100") Pitch QF-50™ Header, Vertical, Dual Row, Shrouded, DIN Keying, 30 Circuits, Tin



Series

image - Reference only

Documents:

[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)	30
Circuits (maximum)	30
Color - Resin	Black
Durability (mating cycles max)	50
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)	10
Plating min: Mating (µm)	0.25
Plating min: Termination (µin)	120
Plating min: Termination (µm)	3
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Closed Ends
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
Wire/Cable Type	Ribbon Cable

EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	250V

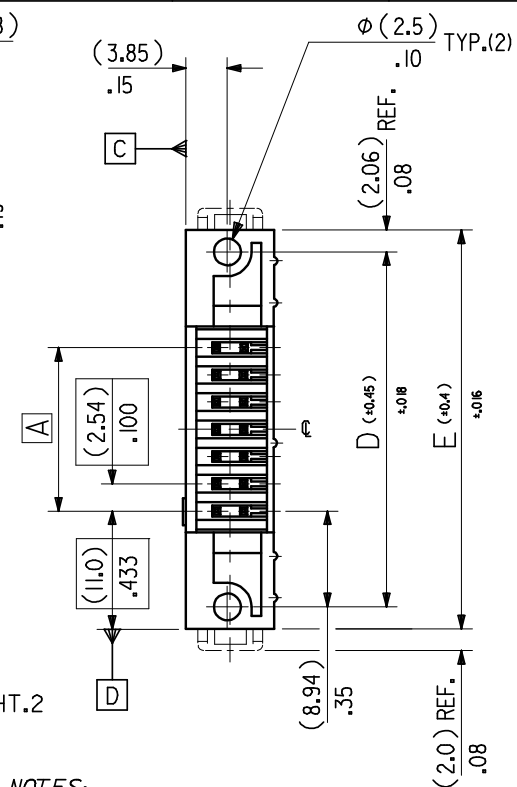
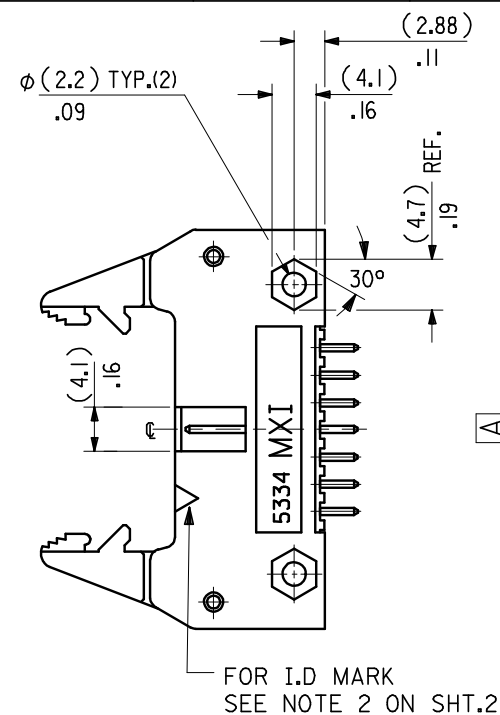
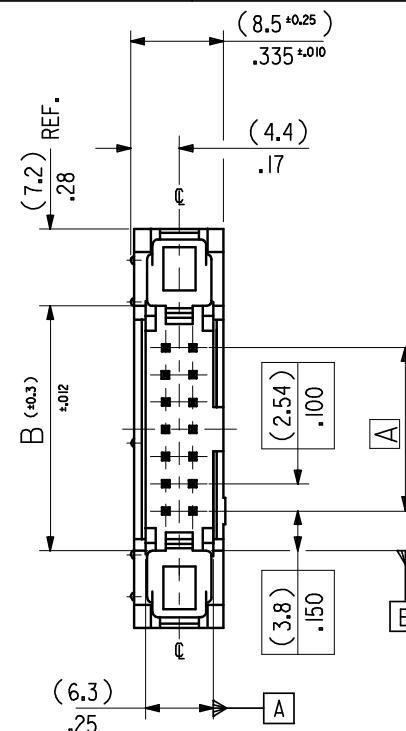
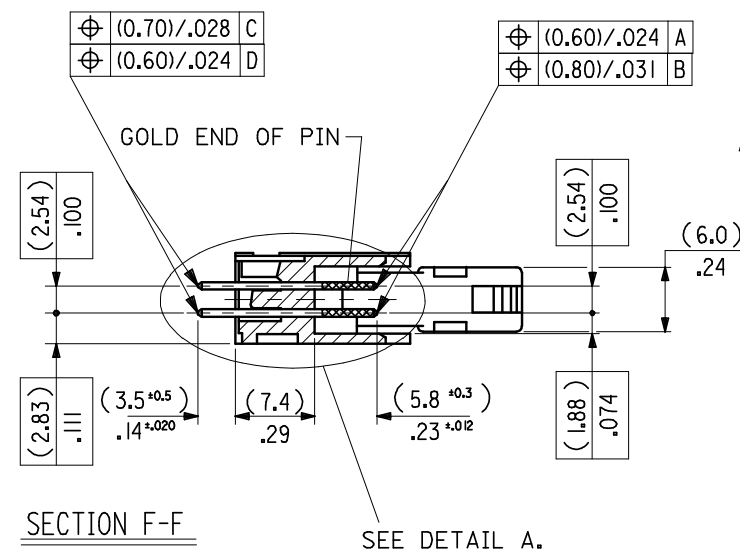
Material Info

Reference - Drawing Numbers

Sales Drawing	SDA-90571
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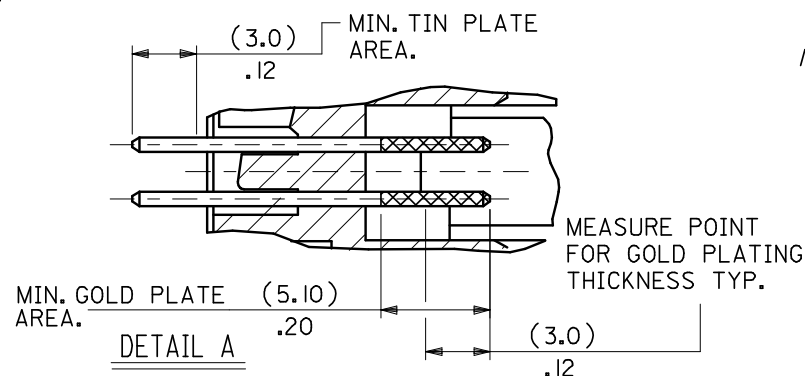
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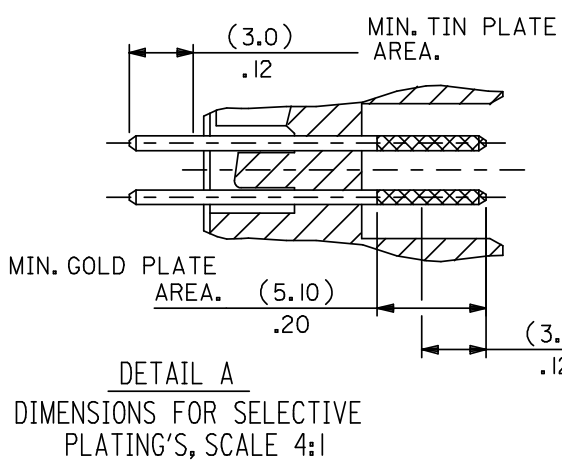
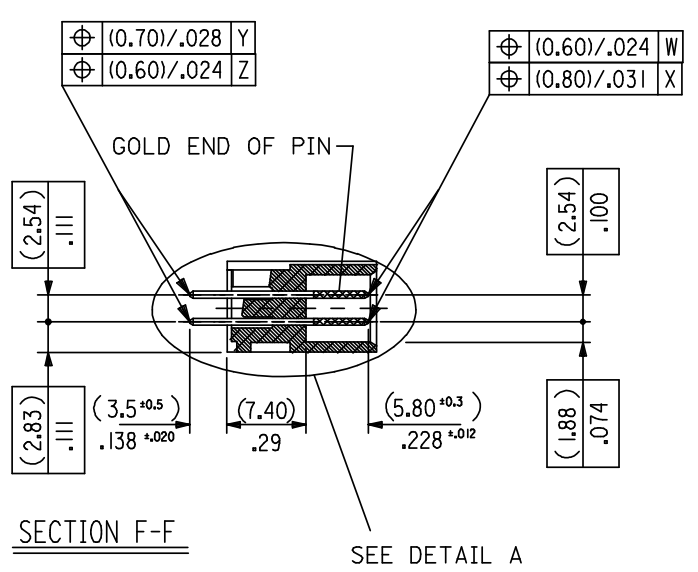
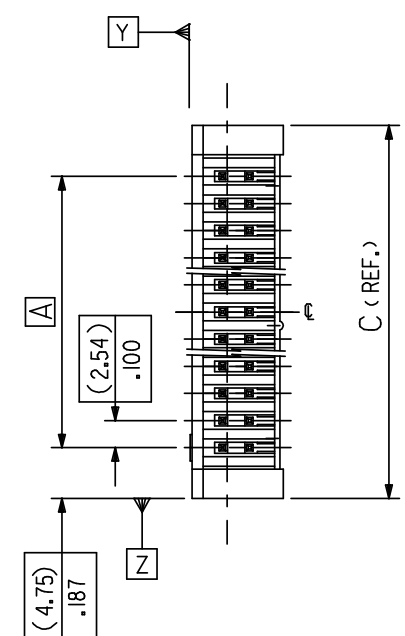
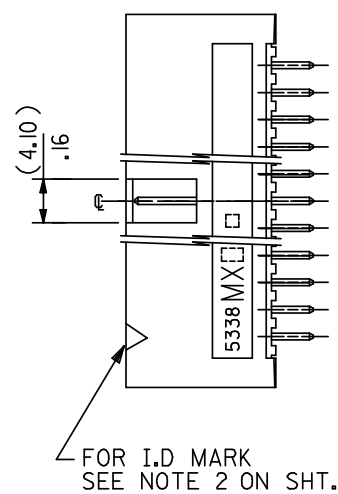
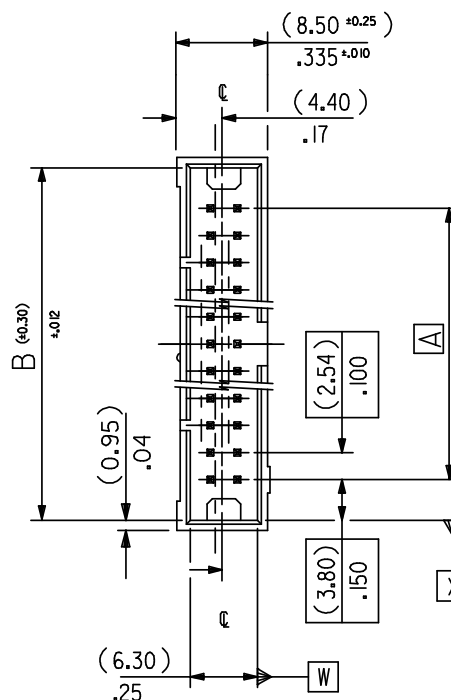
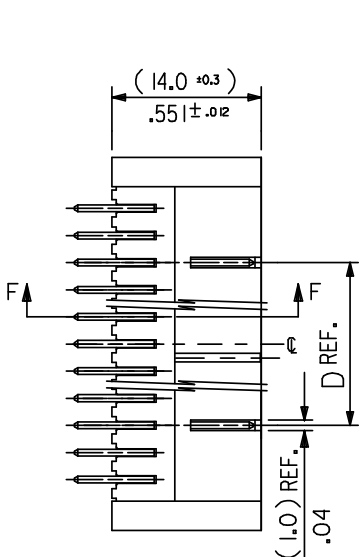
NOTES:

- 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



DIMENSIONS FOR SELECTIVE
PLATING'S, SCALE 4:1

CHANGED GEN TOL.				EC NO: E2008-0461				2008/03/05		2008/03/06		2008/03/06		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE IN/MM				SCALE 2:1		DESIGN UNITS INCH		THIRD ANGLE PROJECTION																																											
				DRWN:LIK IERNAN				2008/03/05		CHKD:		APPR:BMAGUIRE				 =  =		<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>±</td></tr><tr><td>3 PLACES</td><td>±</td><td>±</td></tr><tr><td>2 PLACES</td><td>± 0.15</td><td>± .005</td></tr><tr><td>1 PLACE</td><td>± 0.02</td><td>± .008</td></tr><tr><td colspan="3">ANGULAR ±1/2°</td></tr></table>			mm	INCH	4 PLACES	± ---	±	3 PLACES	±	±	2 PLACES	± 0.15	± .005	1 PLACE	± 0.02	± .008	ANGULAR ±1/2°			<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>SM</td><td>3 /8/90</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>X</td><td></td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>X</td><td></td></tr><tr><td>MATERIAL NO.</td><td>DOCUMENT NO.</td></tr><tr><td></td><td>SDA-90571</td></tr></table>		DRAWN BY	DATE	SM	3 /8/90	CHECKED BY	DATE	X		APPROVED BY	DATE	X		MATERIAL NO.	DOCUMENT NO.		SDA-90571	TITLE				QIK FLECS				WIPE FEMALE				MOLEX INCORPORATED				SHEET NO. 1 OF 4	
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- NOTES:
- 1: FOR MATERIAL SPECIFICATION SEE NOTE 1. ON SHEET 4.
 - 2: FOR RECOMMENDED P.C.B.HOLE PATTERN, PART No's AND UNSTATED DIMENSIONS SEE SHEET 4.
 - 3: PRODUCT SPEC. No. : PS-99020-0015

DETAIL A
DIMENSIONS FOR SELECTIVE
PLATING'S, SCALE 4:1

MEASURE POINT
FOR GOLD PLATING
THICKNESS TYP.

2:1

CHANGED GEN TOL.				QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1		DESIGN UNITS INCH		THIRD ANGLE PROJECTION							
EC NO: E2008-0461 DRWN:LK/ERNAN 2008/03/05 CHK'D: 2008/03/06 APPR:BWAGUIRE 2008/03/06				▽ = ▽ =				DRAWN BY DATE		TITLE QIK FLECS HEADER FOR IMPROVED WIPE FEMALE											
								SM 3/8/90													
								CHECKED BY DATE		MOLEX MOLEX INCORPORATED											
								APPROVED BY DATE								DOCUMENT NO. SDA-90571					
ANGULAR ±1/2°				MATERIAL NO. SEE CHART																	
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QIK FLECS HEADER FOR
IMPROVED WIPE FEMALE

MOLEX INCORPORATED

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INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

(78.74)/3.100	(86.34)/3.400	(88.24)/3.474	(63.50)/2.500	90571-2641	90571-2642	90571-2643	—————	64
(73.66)/2.900	(81.26)/3.200	(83.16)/3.274	(50.80)/2.000	↑ -2601	↑ -2602	↑ -2603	—————	60
(60.96)/2.400	(68.56)/2.700	(70.46)/2.774	(38.10)/1.500	↑ -2501	↑ -2502	↑ -2503	90571-2509	50
(48.26)/1.900	(55.86)/2.200	(57.76)/2.274	(33.02)/1.300	↑ -2401	↑ -2402	↑ -2403	↑ -2409	40
(40.64)/1.600	(48.24)/1.900	(50.14)/1.974	(30.48)/1.200	↑ -2341	↑ -2342	↑ -2343	↑ -2349	34
(35.56)/1.400	(43.16)/1.700	(45.06)/1.774	(25.40)/1.000	↑ -2301	↑ -2302	↑ -2303	↑ -2309	30
(30.48)/1.200	(38.08)/1.500	(39.98)/1.574	—————	↑ -2261	↑ -2262	↑ -2263	↑ -2269	26
(22.86)/.900	(30.46)/1.200	(32.36)/1.274	—————	↑ -2201	↑ -2202	↑ -2203	↑ -2209	20
(17.78)/.700	(25.38)/1.000	(27.28)/1.074	—————	↑ -2161	↑ -2162	↑ -2163	↑ -2169	16
(15.24)/.600	(22.84)/.900	(24.74)/.974	—————	↑ -2141	↑ -2142	↑ -2143	↑ -2149	14
(10.16)/.400	(17.76)/.700	(19.66)/.774	—————	90571-2101	90571-2102	90571-2103	90571-2109	10
A	B	C	D	ENG. NO. GS1 PLATING	ENG. NO. GS2 PLATING	ENG. NO. GS3 PLATING	ENG. NO. PRE TIN	NO.OF CKTS.

NOTES

I.MATERIAL

HEADER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.

PINS : BRASS SIZE $\square (0.635)/.025$.

2.COLOUR IDENTIFICATION MARK FOR PLATING OPTIONS.

90571-2**I, (lum)/39uin MIN. NICKEL UNDERPLATE. CONTACT AREA

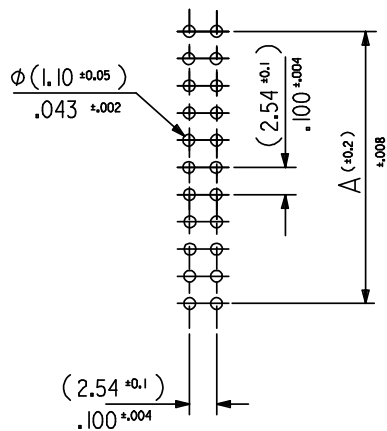
GS1 PLATING (0.1um)/4um MIN. GOLD. SOLDER AREA (3um)/118um MIN.
TIN. COLOUR MARK: YELLOW.

90571-2**2, (1um)/39uin MIN. NICKEL UNDERPLATE. CONTACT AREA
GS2 PLATING (0.76um)/30uin MIN. GOLD. SOLDER AREA (3um)/118uin MIN.
TIN. COLOUR MARK: BROWN.

90571-2**3, (1um)/39uin MIN. NICKEL UNDERPLATE. CONTACT AREA
GS3 PLATING (0.25um)/10uin MIN. GOLD. SOLDER AREA (3um)/118uin MIN.
TIN. COLOUR MARK: BLUE.

90571-2**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: LKIERAN 08/03/05		CHKD: 08/03/06		APPR: BWAGUIRE 08/03/06		DESCRIPTION		REV			
QUALITY SYMBOLS		▽ = ⊥ =		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM			SCALE 2:1		DESIGN UNITS INCH		THIRD ANGLE PROJECTION	
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				ANGULAR ±1/2°			MATERIAL NO.			DOCUMENT NO.			SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART			SDA-90571			4 OF 4		
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