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Part Number:

0905722149

Status:

Active

Description:

2.54mm (.100") Pitch QF-50™ Header, Right Angle, Dual Row, Shrouded, DIN Keying, with Latch/Eject Levers, 14 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	90572
Comments	Eject Levers
Component Type	PCB Header
Glow-Wire Compliant	No
Product Name	QF-50™

Physical

Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
Durability (mating cycles max)	50
Entry Angle	90° Angle
Flammability	94V-0
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
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: Termination (µin)	120
Plating min: Termination (µm)	3
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Closed Ends
Stackable	No
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

Electrical

<u>EU RoHS</u>	<u>China RoHS</u>
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
90572Series

Mates With
90635 QF-50™ Female Housing

Current - Maximum per Contact

1A

Voltage - Maximum

250V AC/DC

Material Info

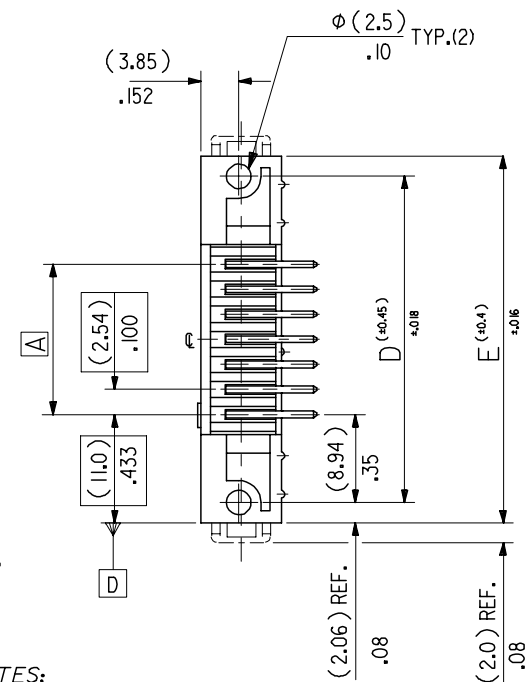
Reference - Drawing Numbers

Sales Drawing

SDA-90572

This document was generated on 06/08/2010

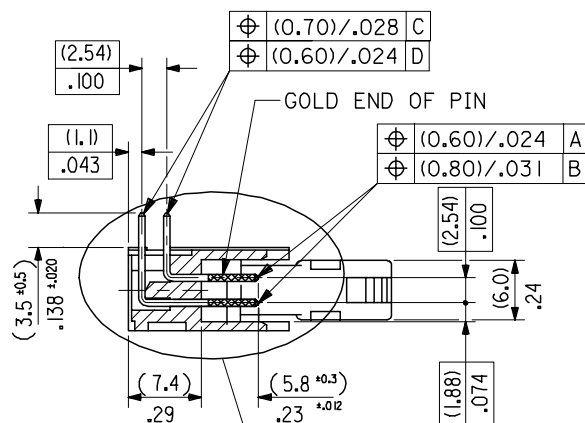
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- SEE NOTE 2 ON SHEET 2.

NOTES:

- 1: FOR MATERIAL SPECIFICATION SEE NOTE 1 ON SHEET 2.
- 2: FOR RECOMMENDED P.C.B.HOLE PATTERN, PART NOS AND UNSTATED DIMENSIONS SEE SHEET 2.
- 3: PRODUCT SPEC.No. : PS -99020-00/5.



SECTION F-F

SEE DETAIL A.

MIN. TIN PLATE
AREA.

(30)

MIN. GOLD PLATE
AREA

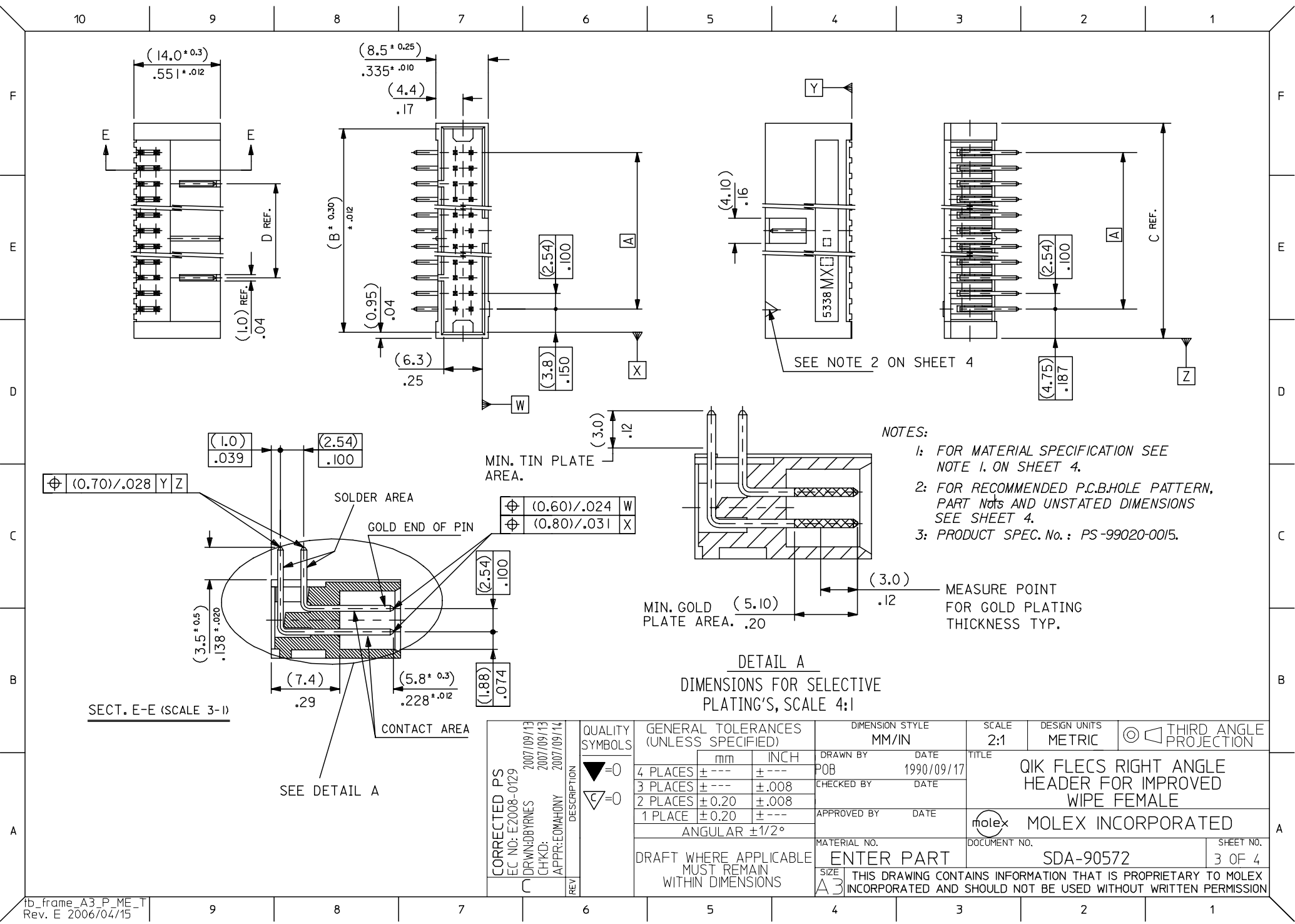
MIN. GOLD PLATE
AREA. (5.10)
.20

DETAIL A

DIMENSIONS FOR SELECTIVE
PLATING'S, SCALE 4:1

MEASURE POINT
FOR GOLD PLATING
THICKNESS TYP.

CORRECTED PS EC NO: E2008-0129 DRAWN: DBYRNES CHKD: 2007/09/13 APPR: EOMAHONY 2007/09/14	DESCRIPTION 2007/09/13 2007/09/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY DATE		TITLE QIK FLECS R/A HEADER DIN EJECT LEVERS FOR IMPROVED WIPE FEMALE	METRIC	
			± ---	± ---	POB 1990/09/12				
		3 PLACES	± ---	± .008	CHECKED BY DATE				
		2 PLACES	± 0.20	± .008	APPROVED BY DATE				
		1 PLACE	± 0.20	± ---				MOLEX INCORPORATED	
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ENTER PART		SDA-90572		1 OF 4	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



NOTES:

- 1: FOR MATERIAL SPECIFICATION SEE NOTE 1. ON SHEET 4.
- 2: FOR RECOMMENDED P.C.B.HOLE PATTERN, PART NOTES AND UNSTATED DIMENSIONS SEE SHEET 4.
- 3: PRODUCT SPEC. No. : PS-99020-0015.

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

CORRECTED PS EC NO: E2008-0129 DRWN:DBYRNES 2007/09/13 CHKD: 2007/09/13 APPR:EOMAHONY 2007/09/14	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY POB	DATE 1990/09/17	TITLE QIK FLECS RIGHT ANGLE HEADER FOR IMPROVED WIPE FEMALE					
			4 PLACES	± ---	± ---	CHECKED BY	DATE						
			3 PLACES	± ---	± .008	APPROVED BY		DATE	MOLEX INCORPORATED				
			2 PLACES	± 0.20	± .008								
1 PLACE	± 0.20	± ---	ANGULAR ±1/2°		MATERIAL NO.	DOCUMENT NO.	SHEET NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ENTER PART			SDA-90572			3 OF 4				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX 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	90572-2641	90572-2642	90572-2643		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	90572-2509	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	-1309	30
(30.48)/1.200	(38.08)/1.500	(39.98)/1.547	—————	-2261	-2262	-2263	-2269	26
(22.86)/.900	(30.46)/1.200	(32.36)/1.274	—————	-2201	-2202	-2203	-1209	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	—————	90572-2101	90572-2102	90572-2103	90572-2109	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

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.

SPRING PINS : STEEL

2.COLOUR IDENTIFICATION MARK FOR PLATING OPTIONS.

90572-2**1, (1um)/39uin MIN. NICKEL UNDERPLATE. CONTACT AREA
GS1 PLATING (0.1um)/4uin MIN. GOLD. SOLDER AREA (3um)/118uin MIN.
TIN. COLOUR MARK: YELLOW.

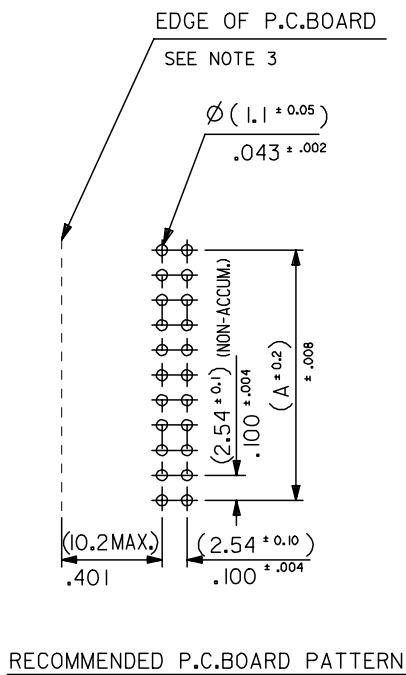
90572-2**2, (1um)/39uin MIN. NICKEL UNDERPLATE. CONTACT AREA
GS2 PLATING (0.76um)/30uin MIN. GOLD. SOLDER AREA (3um)/118uin MIN.
TIN. COLOUR MARK: BROWN.

90572-2**3, (1um)/39uin MIN. NICKEL UNDERPLATE. CONTACT AREA
GS3 PLATING (0.25um)/10uin MIN. GOLD. SOLDER AREA (3um)/118uin MIN.
TIN. COLOUR MARK: BLUE.

90572-2**9, (0.5-1um)/20-40uin NICKEL UNDER (1.0-3.0um)/39-118uin TIN.
PRE-TIN COLOUR MARK: BLACK, (NO MARK).

3. 10.2mm MAX. TO EDGE OF PCB FOR DAISY CHAIN APPLICATIONS.

4. RECOMMENDED PCB THICKNESS 1.6mm



RECOMMENDED P.C. BOARD PATTERN

ADDED NOTE 4 EC NO: E2008-0129 DRWN:DBYRNES CHKD: APPR:EOMAHONY 2007/09/13 2007/09/13 2007/09/14	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY POB	DATE 1990/07/17	TITLE QIK FLECS RIGHT ANGLE HEADER FOR IMPROVED WIPE FEMALE		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± .008					
			2 PLACES	± 0.20	± .008					
			1 PLACE	± 0.20	± ---					
			ANGULAR ±1/2°		APPROVED BY	DATE	MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-90572		SHEET NO. 4 OF 4	
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								