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Part Number: [0905712501](#)
Status: **Active**
Description: 2.54mm (.100") Pitch QF-50™ Header, Vertical, Dual Row, Shrouded, DIN Keying, 50 Circuits, 0.1 µm Gold (Au)

Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

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) 50
Circuits (maximum) 50
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) 4
Plating min: Mating (µm) 0.1
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



image - Reference only

Series

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.

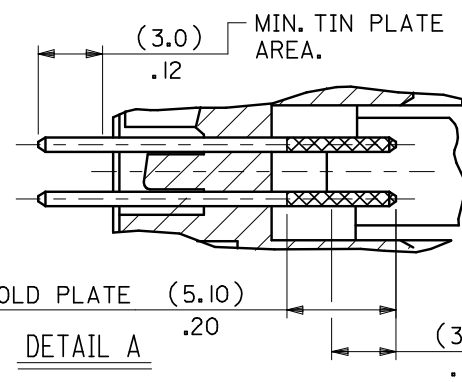
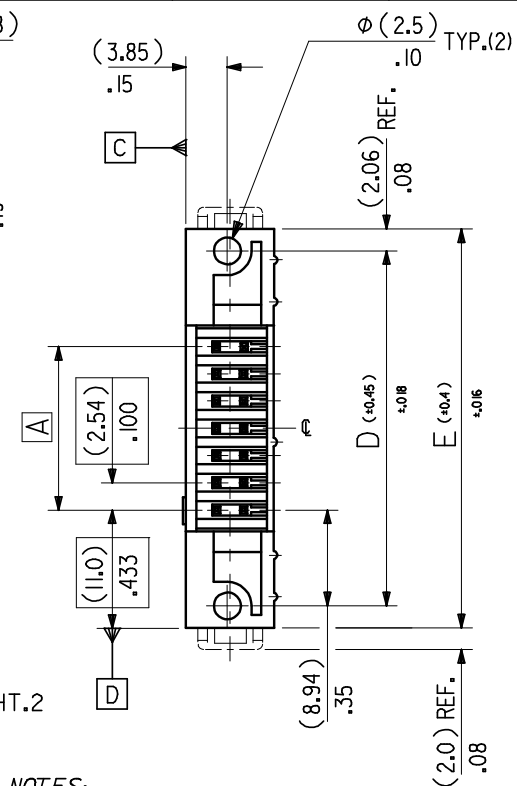
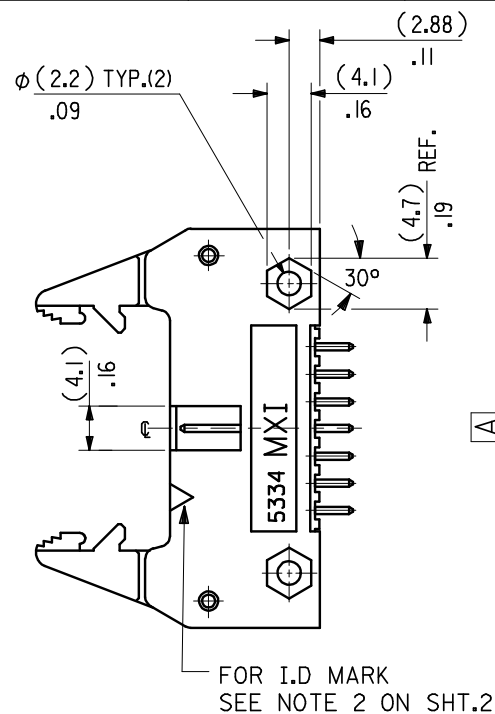
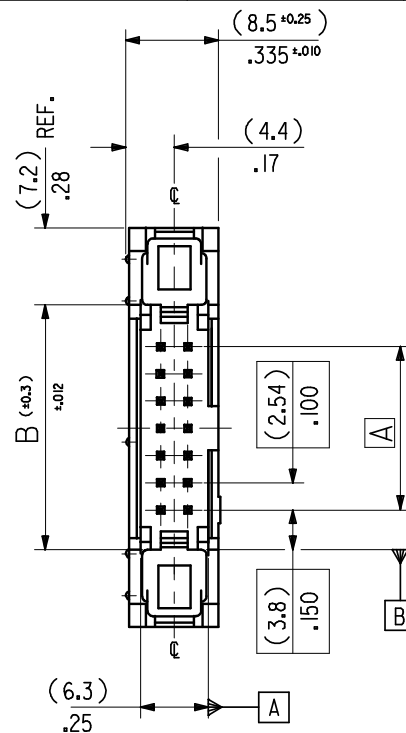
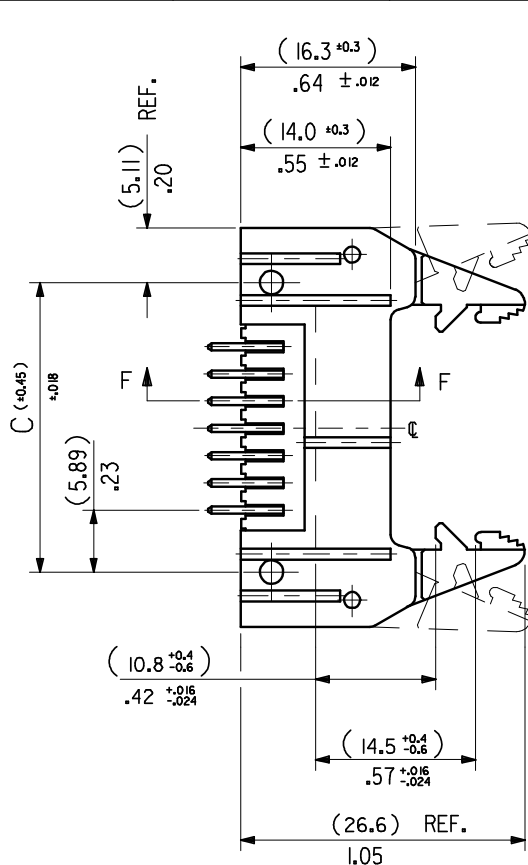
Search Parts in this Series
[90571Series](#)

Mates With
[90635 QF-50™ Female Housing](#)

Wire/Cable Type	Ribbon Cable
Electrical	
Current - Maximum per Contact	1A
Voltage - Maximum	250V
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SDA-90571

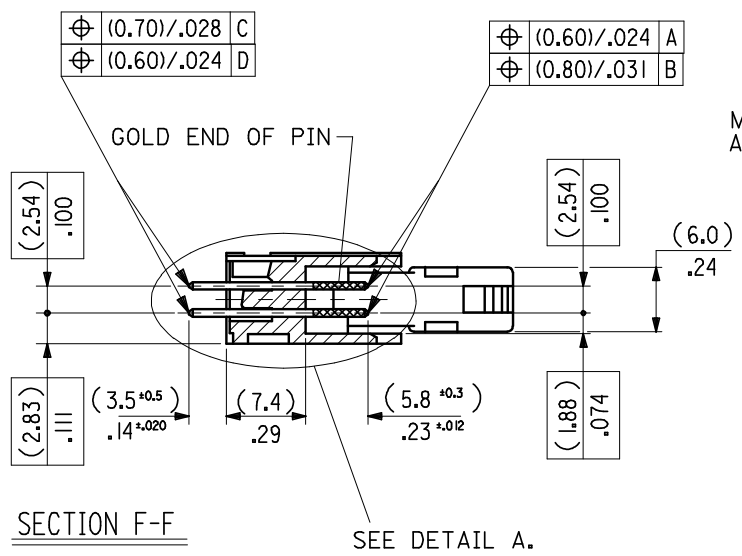
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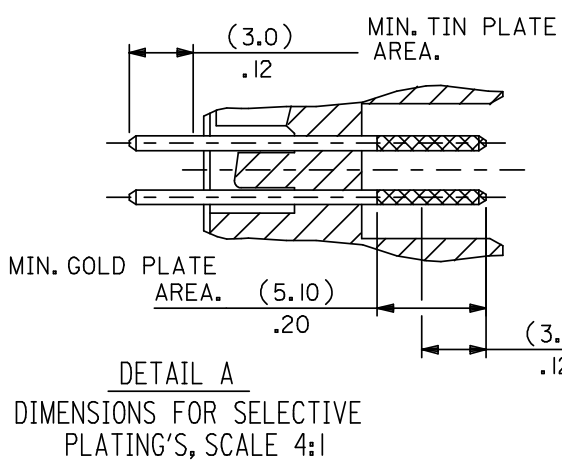
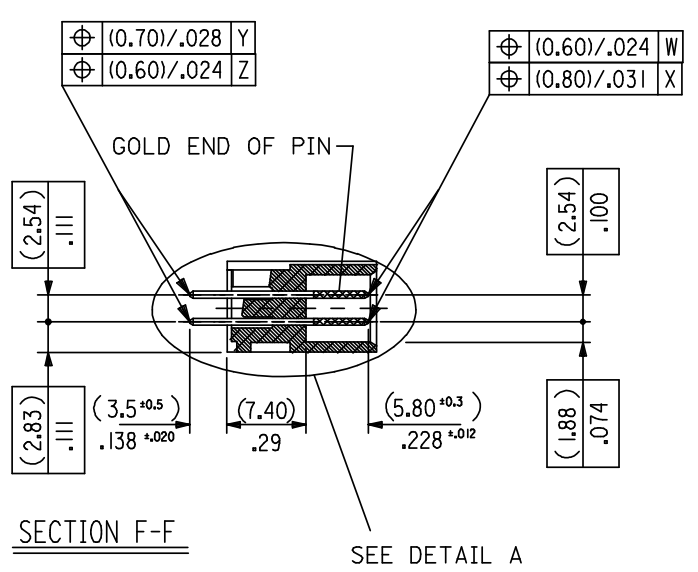
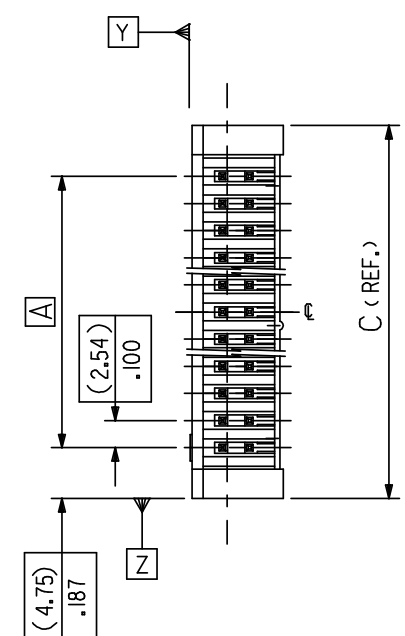
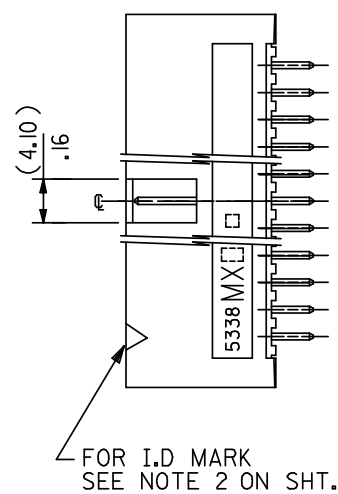
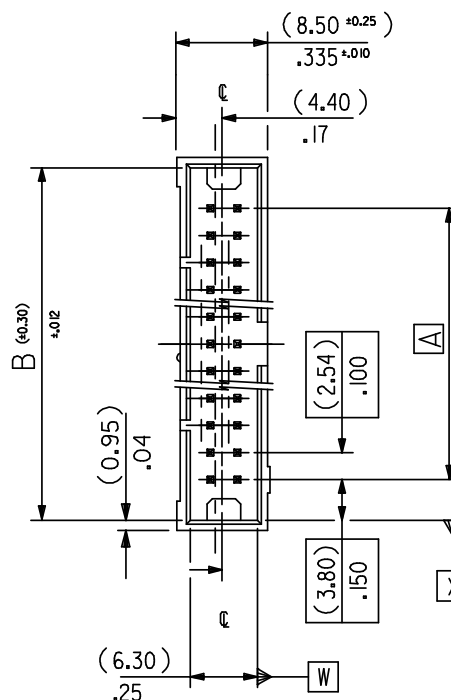
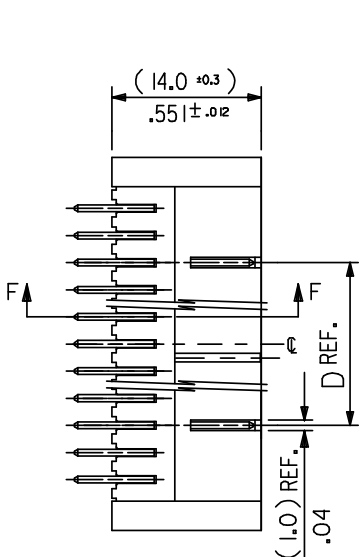


DIMENSIONS FOR SELECTIVE PLATING'S, SCALE 4:1

- 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:LK/ERNAN CHKD: 2008/03/06 APPR:BMAGUIRE 2008/03/06	DESCRIPTION	QUALITY SYMBOLS ▽ = ▽ =	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY SM	DATE 3 /8/90	TITLE QIK FLECS WIPE FEMALE				
			4 PLACES	± ---	±	CHECKED BY X	DATE					
			3 PLACES	±	±	APPROVED BY X	DATE	MOLEX MOLEX INCORPORATED				
			2 PLACES	± 0.15	± .005	MATERIAL NO.	DOCUMENT NO. SDA-90571					
			1 PLACE	± 0.02	± .008	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				
			ANGULAR ±1/2°			SIZE A3						



- 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

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 CH'KD: 2008/03/06 APPR:BWAGUIRE 2008/03/06				▽ = ▽C =		mm INCH		DRAWN BY DATE		TITLE QIK FLECS HEADER FOR IMPROVED WIPE FEMALE					
						4 PLACES ± --- ±		SM 3/8/90							
						3 PLACES ± ±		CHECKED BY DATE							
						2 PLACES ± 0.15 ± .005		APPROVED BY DATE		molex MOLEX INCORPORATED					
						1 PLACE ± 0.20 ± .008									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.				SHEET NO.			
				SEE CHART		SDA-90571				3 OF 4					
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

QIK FLECS HEADER FOR IMPROVED WIPE FEMALE

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(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.