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Part Number: [0905712102](#)
Status: **Active**
Description: 2.54mm (.100") Pitch QF-50™ Header, Vertical, Dual Row, Shrouded, DIN Keying, 10 Circuits, 0.76 µm Gold (Au)

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)	10
Circuits (maximum)	10
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	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



Series

image - Reference only

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

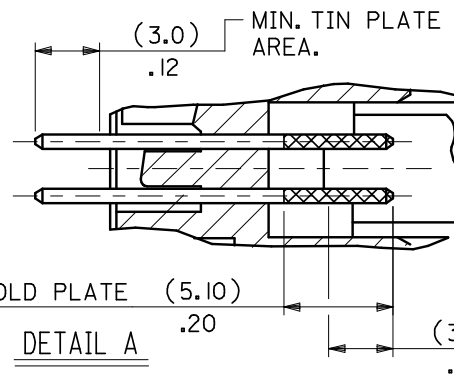
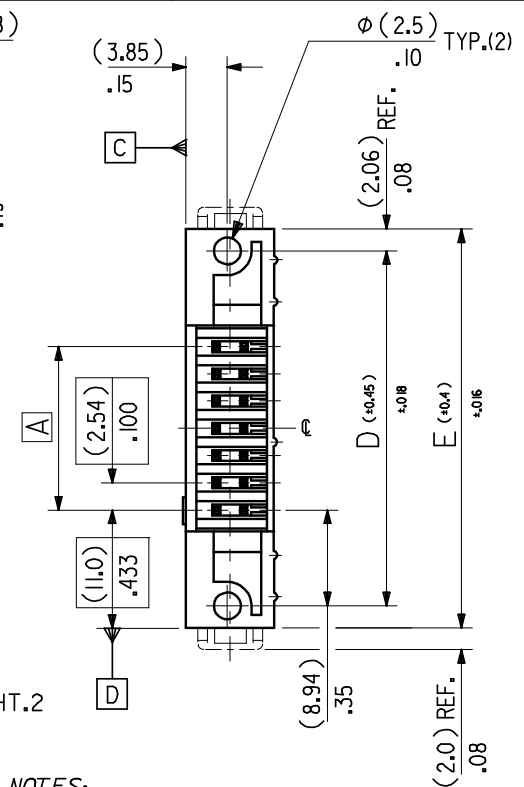
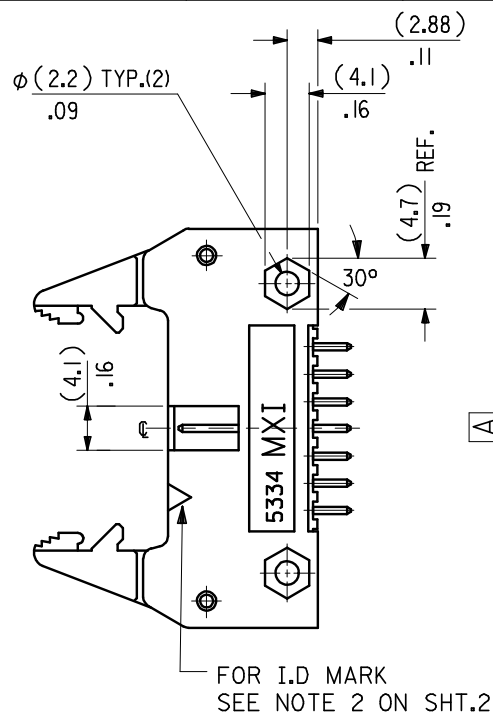
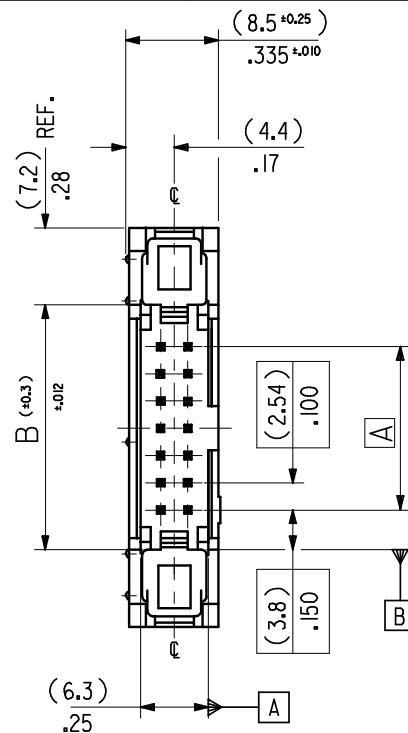
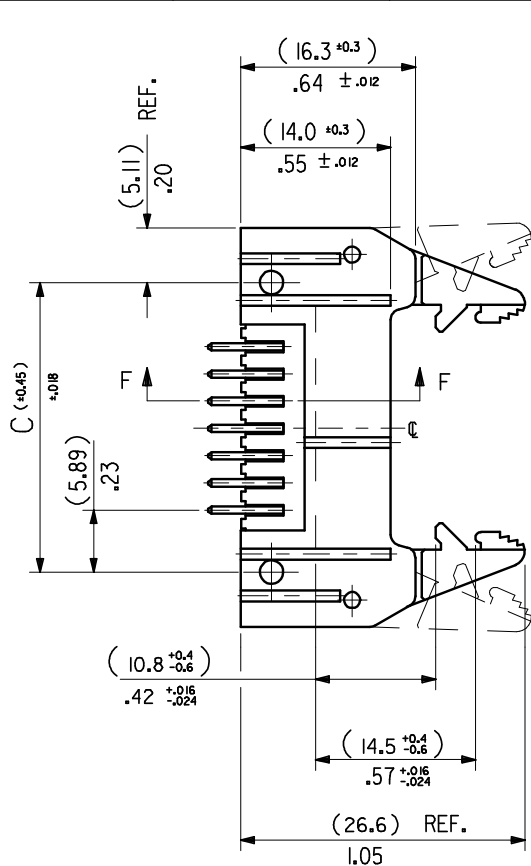
Material Info

Reference - Drawing Numbers

Sales Drawing	SDA-90571
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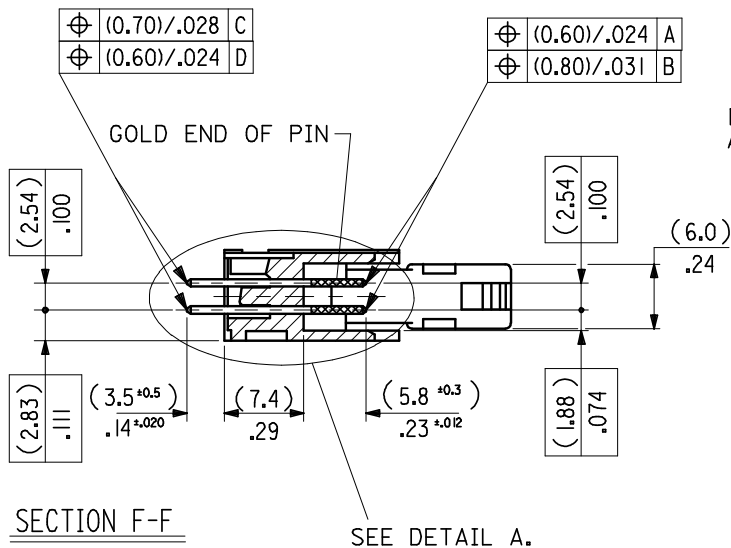
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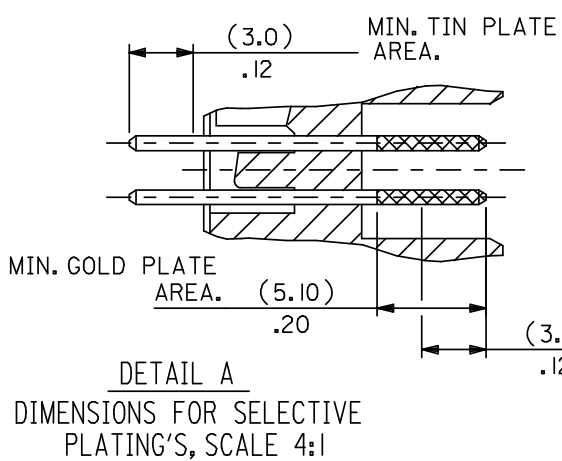
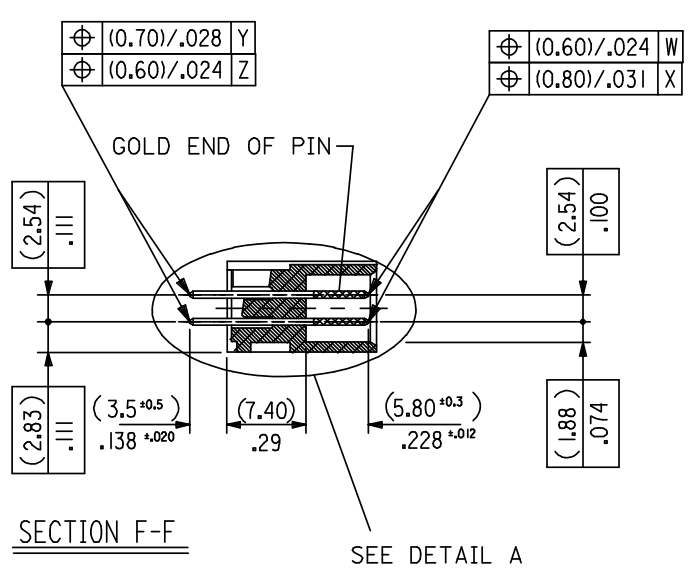
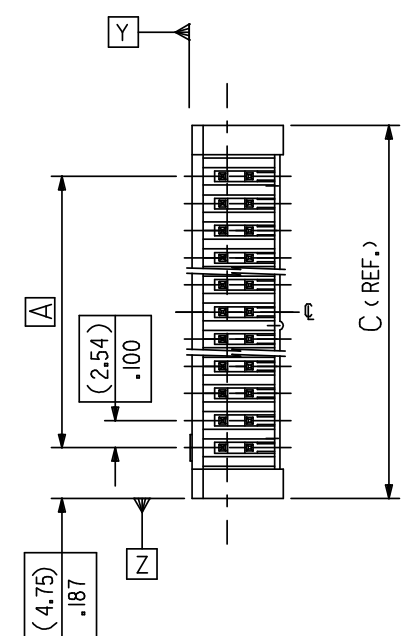
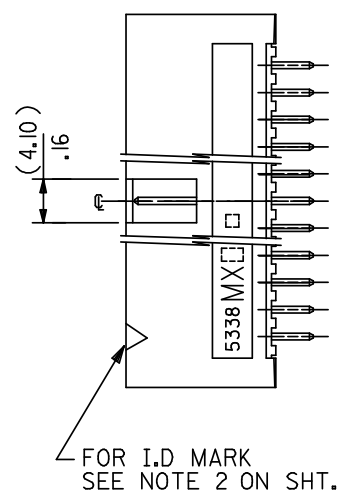
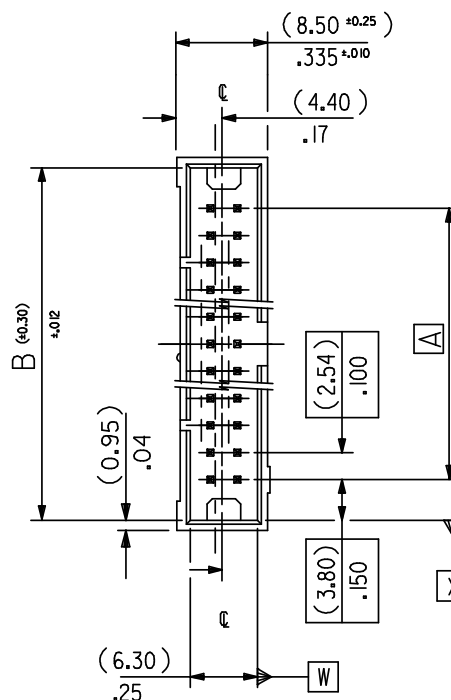
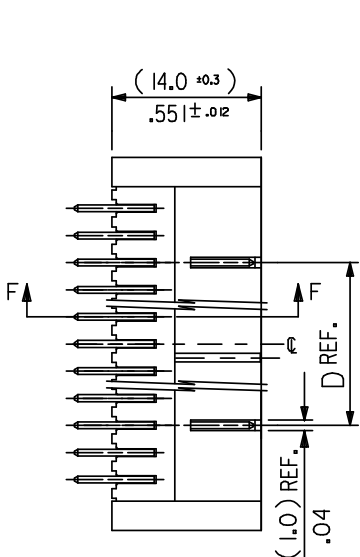
DIMENSIONS FOR SELECTIVE PLATING'S, SCALE 4:1

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.				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 CHKD: 2008/03/06 APPR: BMAGUIRE 2008/03/06				DESCRIPTION		mm			DATE			QIK FLECS				
				INCH			DATE									
				4 PLACES ± --- ±			SM 3 /8/90									
				3 PLACES ± ±			CHECKED BY DATE									
				2 PLACES ± 0.15 ± .005			X									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				1 PLACE ± 0.02 ± .008			APPROVED BY DATE			MOLEX MOLEX INCORPORATED						
				ANGULAR ±1/2°			X									
				MATERIAL NO.			DOCUMENT NO.					SHEET NO.				
				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 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				▽ = ▽ =		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											
REV				DESCRIPTION		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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	

