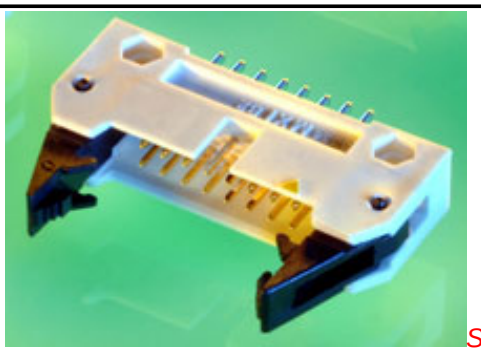
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Part Number: 0905712349
Status: Active
Description: 2.54mm (.100") Pitch QF-50™ Header, Vertical, Dual Row, Shrouded, DIN Keying, 34 Circuits, Tin



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)	34
Circuits (maximum)	34
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	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	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

Electrical

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

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

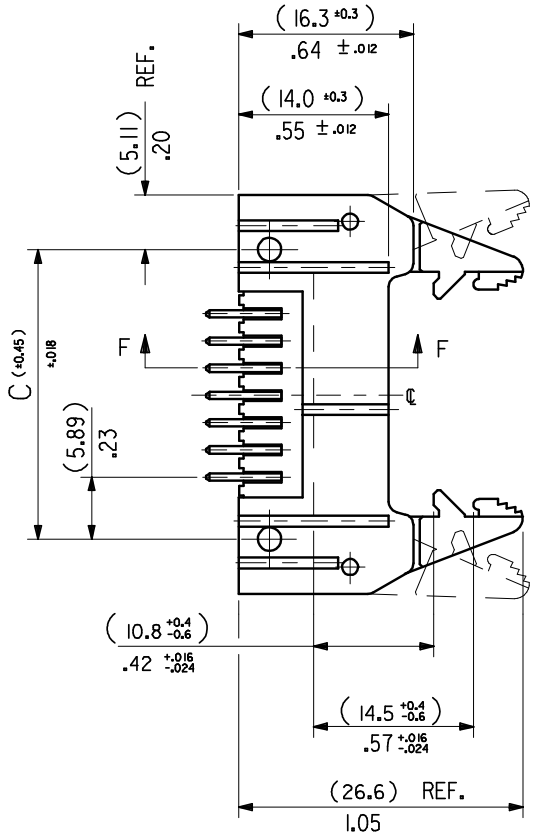
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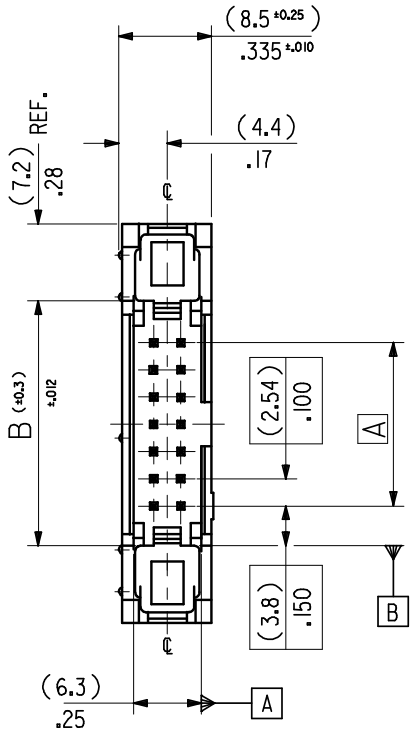
Reference - Drawing Numbers

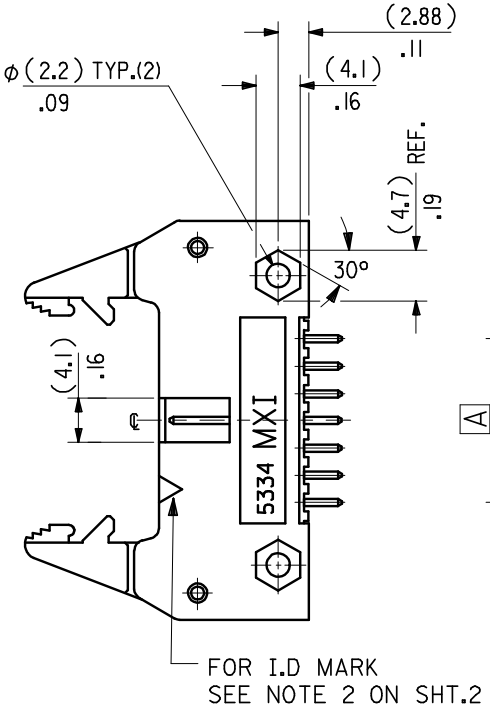
Sales Drawing	SDA-90571

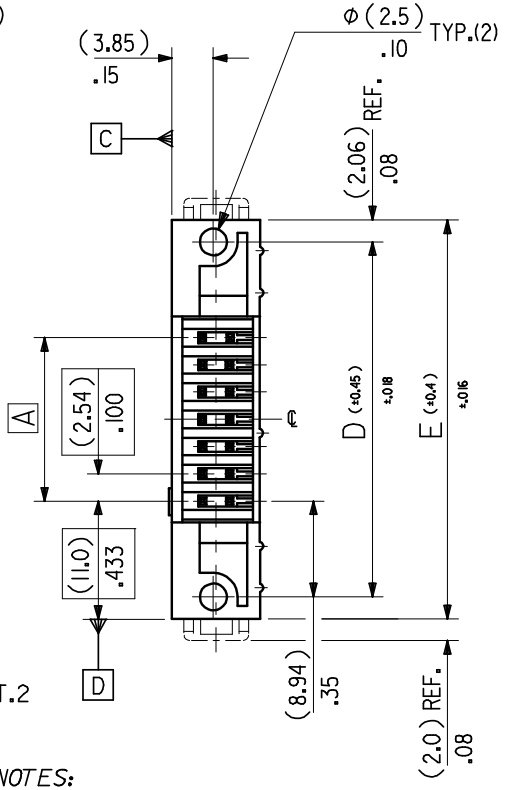
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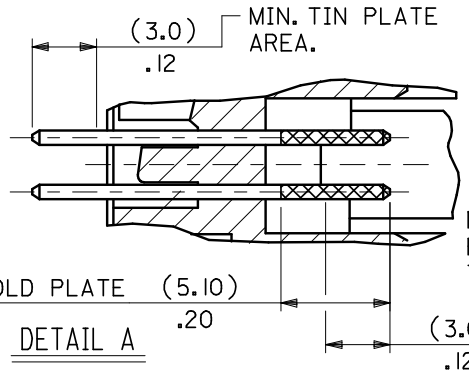
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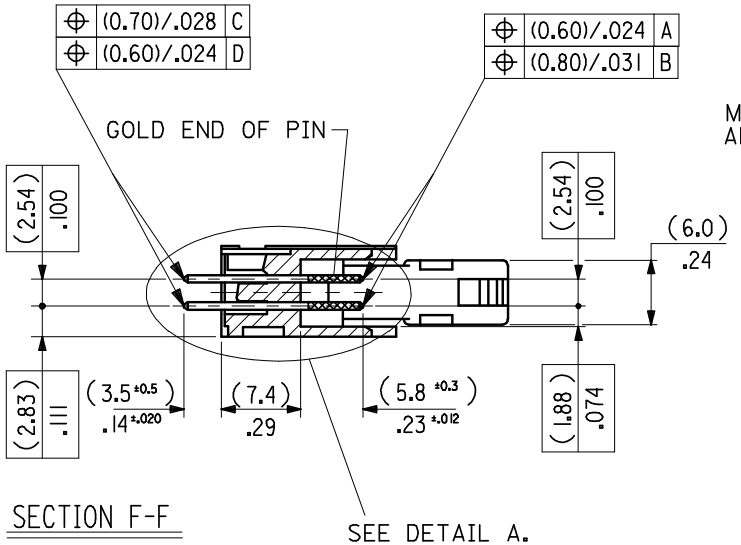






DETAIL A

DIMENSIONS FOR SELECTIVE PLATING'S, SCALE 4:1



SECTION F-F

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:KIERNAN 2008/03/05 CH'KD: 2008/03/06 APPR:BMAGUIRE 2008/03/06 DESCRIPTION REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

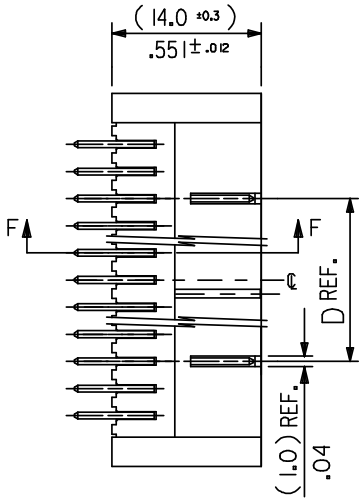
	mm	INCH
4 PLACES	± ---	±
3 PLACES	±	±
2 PLACES	± 0.15	± .005
1 PLACE	± 0.02	± .008
ANGULAR ±1/2°		

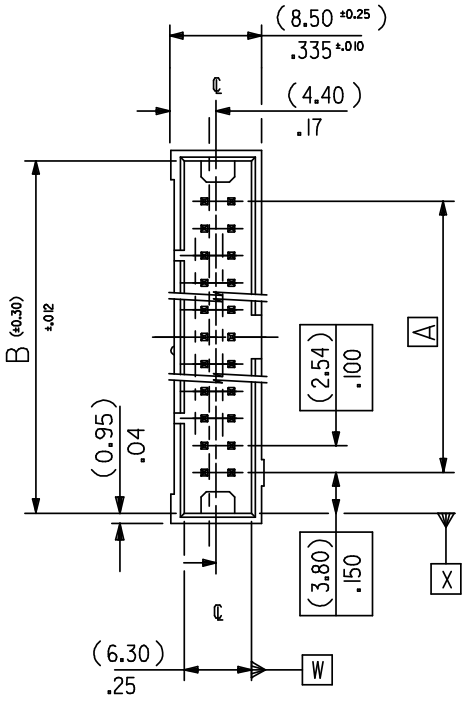
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

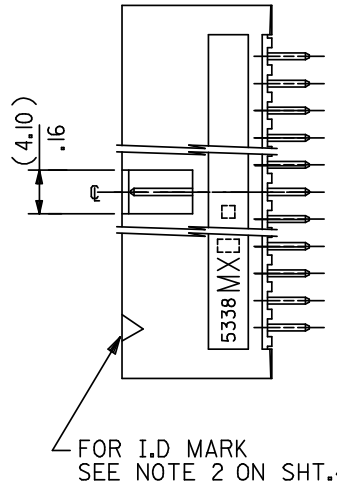
DIMENSION STYLE: IN/MM	SCALE: 2:1	DESIGN UNITS: INCH	THIRD ANGLE PROJECTION
DRAWN BY: SM DATE: 3 /8/90	TITLE: QIK FLECS WIPE FEMALE		
CHECKED BY: X DATE:			
APPROVED BY: X DATE:	MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO. SDA-90571	SHEET NO. 1 OF 4	

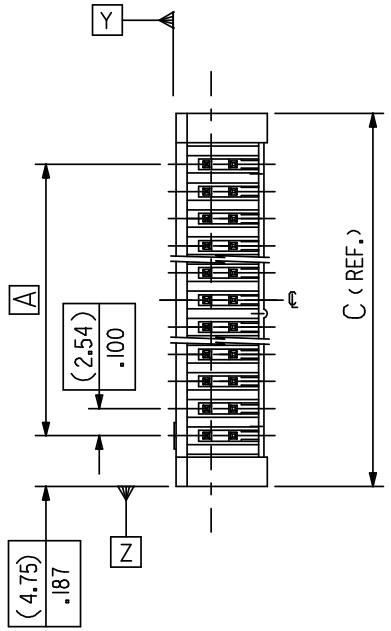
SIZE A3

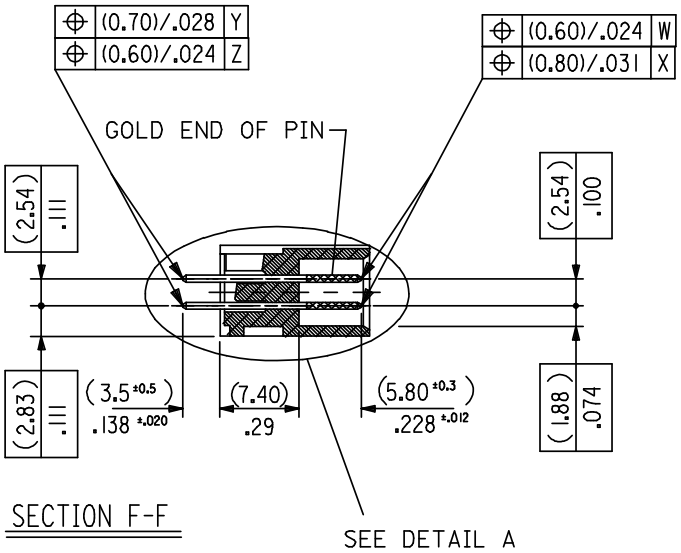
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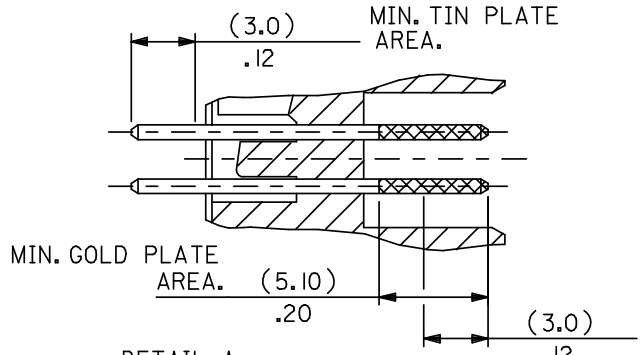








SECTION F-F



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

2:1

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.
EC NO: E2008-0461 2008/03/05
DRWN:LKIERNAN 2008/03/06
CH'KD: 2008/03/06
APPR:BMAGUIRE 2008/03/06
DESCRIPTION
REV

QUALITY SYMBOLS
▼ =
Ⓒ =

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	±
3 PLACES	±	±
2 PLACES	± 0.15	± .005
1 PLACE	± 0.20	± .008
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	IN/MM
SCALE	2:1
DESIGN UNITS	INCH
	THIRD ANGLE PROJECTION
DRAWN BY	SM
DATE	3/8/90
CHECKED BY	
DATE	
APPROVED BY	
DATE	
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SDA-90571
SHEET NO.	3 OF 4

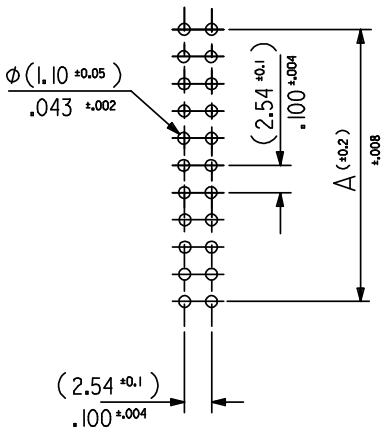
TITLE: QIK FLECS HEADER FOR IMPROVED WIPE FEMALE

molex MOLEX INCORPORATED

SIZE A3

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A	B	C	D	ENG. NO. GS1 PLATING	ENG. NO. GS2 PLATING	ENG. NO. GS3 PLATING	ENG. NO. PRE TIN	NO.OF CKTS.
(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



RECOMMENDED P.C.B.HOLE PATTERN.

NOTES

1.MATERIAL
HEADER : GLASS FILLED POLYESTER (UL 94V0), COLOUR - BLACK.
PINS : BRASS SIZE □ (0.635)/.025 .

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

3. RECOMMENDED PCB THICKNESS 1.6mm

CHANGED GEN TOL
EC NO: E2008-0461 2008/03/05
DRWN:LKIERNAN 2008/03/06
CH'KD:
APPR:BMAGUIRE 2008/03/06
DESCRIPTION
REV

QUALITY SYMBOLS
▼=
Ⓒ▽=

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	±
3 PLACES	±	±
2 PLACES	± 0.15	± .005
1 PLACE	± 0.20	± .008
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION
DRAWN BY: SM DATE: 3/8/90
CHECKED BY DATE
APPROVED BY DATE
TITLE: QIK FLECS HEADER FOR IMPROVED WIPE FEMALE
MOLEX INCORPORATED
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-90571
SHEET NO.: 4 OF 4
SIZE A3

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