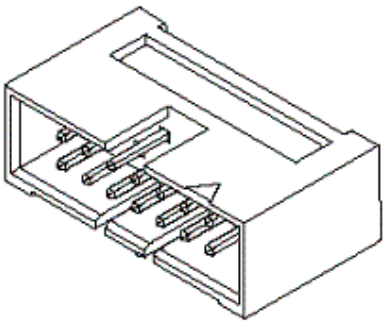
This document was generated on 05/20/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0908971643

Status: Active

Description: 2.54mm (.100) Pitch QF-50™, Right Angle, Dual Row with Eject Levers, Shrouded Header, 64 Circuits, Without Strain Relief



Series image - Reference only

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	Ribbon Cable / Wire Trap Connectors
Series	90897
Comments	Din Eject Levers
Component Type	PCB Header
Glow-Wire Compliant	No
Product Name	QF-50™

Physical

Circuits (Loaded)	64
Circuits (maximum)	64
Color - Resin	Black
Durability (mating cycles max)	30
Entry Angle	90° Angle
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester Alloy
Number of Rows	2
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
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Wire Insulation Diameter	N/A
Wire Size AWG	N/A
Wire/Cable Type	Ribbon Cable

Electrical

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

Material Info

Reference - Drawing Numbers

Sales Drawing	SDA-90897

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.

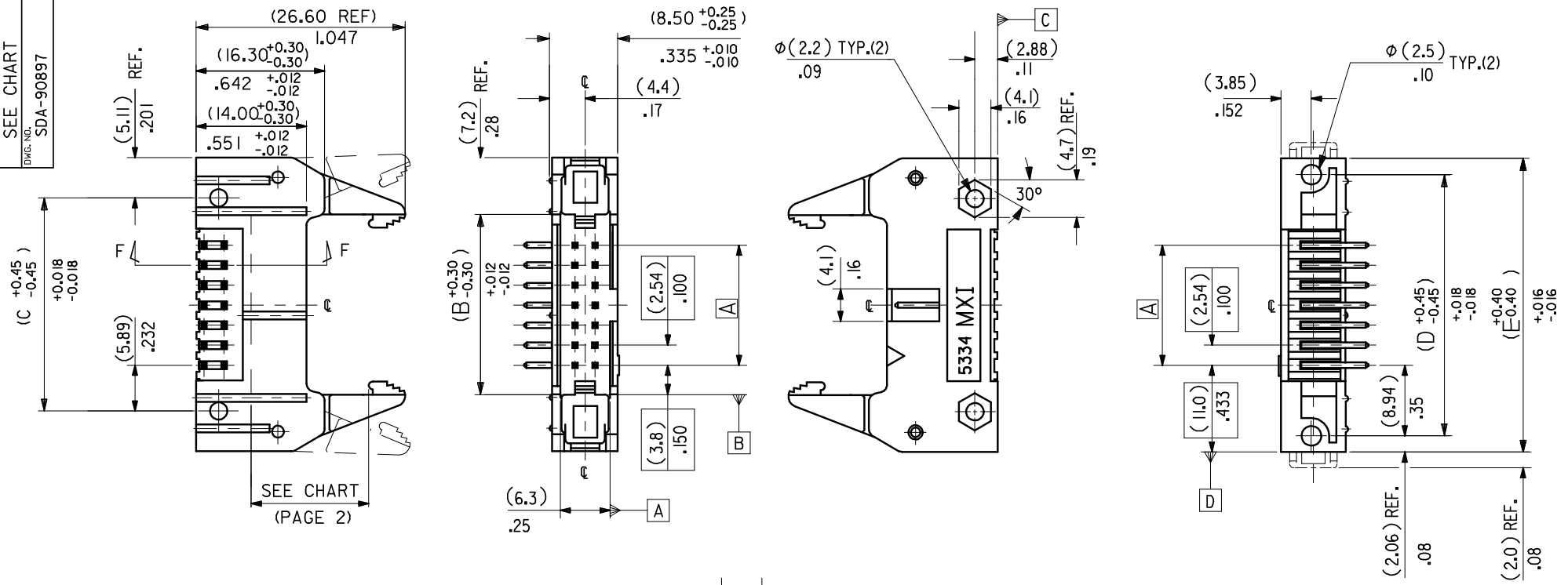
Search Parts in this Series

90897Series

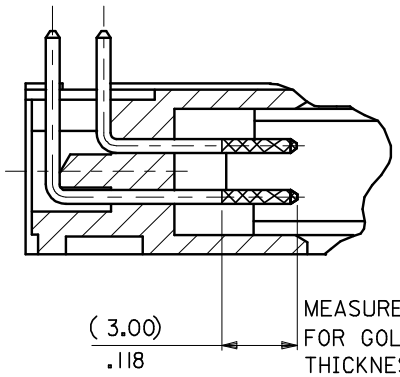
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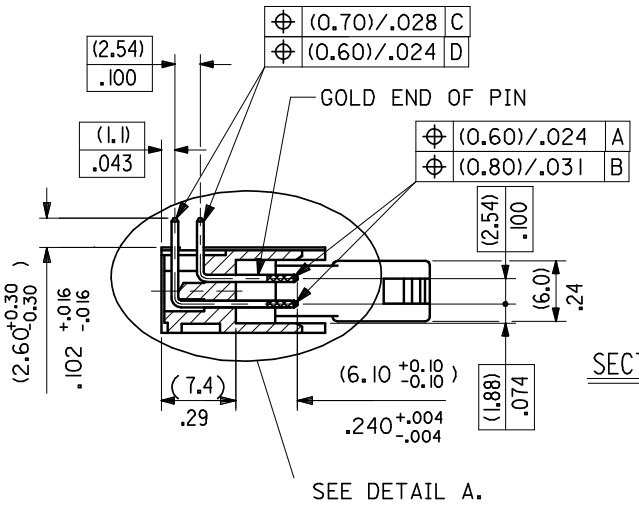
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

PART NO. SEE CHART
DWG. NO. SDA-90897



DETAIL A
DIM'S FOR SELECTIVE GOLD PLATING





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.: ES 99030-0004*

PRE-RELEASE REFERENCE USE ONLY

SH.	REV.
2	E
1	E

FOR PREVIOUS DRAWING ISSUES SEE MRI.

REVISIONS

LTR	EC.No.	DRWN	CHK'd	APPR'd	DATE
F	E2004-0792	PSHEAHAN			04/02/17

REVISION UP-DATE

THIRD ANGLE PROJECTION

REVISE ONLY ON CAD SYSTEM

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°

	INCH	(METRIC)
3 PLACE	± .008	
2 PLACE	± .008	± 0.20
1 PLACE		± 0.20

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION (PRIMARY) ☒ (MM) ☐ IN.

EQUIVALENT DIMENSION (SECONDARY) ☐ (MM) ☒ IN.

DRWG BY: PW

CHK'D BY:

APP'D BY:

SCALE: 2:1

CADCAM FILENAME S90897X1 DGN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TITLE

QF-50 R/A HEADER WITH DIN EJECT LEVERS TO MATE WITH MX-50 FEMALE

molex MOLEX EUROPE

SHEET NO. 10F2

DATE 94/11/07

PART NO. SEE CHART

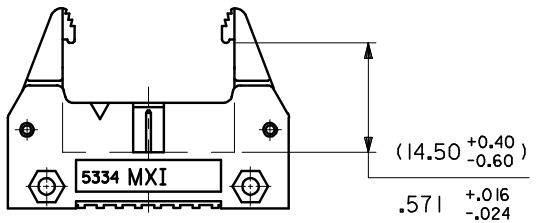
DWG NO. SDA-90897

SIZE B

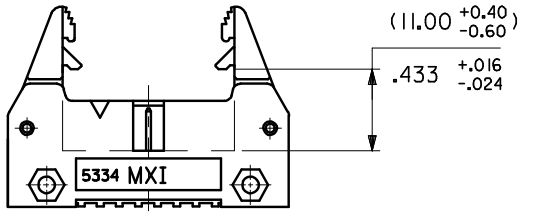
7132-1283

PART NO. SEE CHART
DWG. NO. SDA-90897

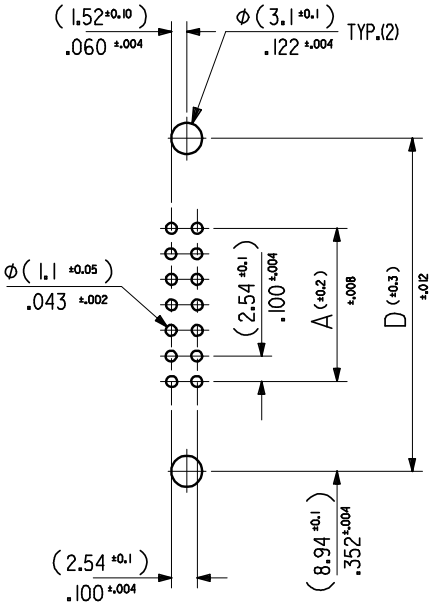
A	B	C	D	E	ENG. NO.	NO.OF CKTS.
(78.74)/3.100	(86.34)/3.400	(90.52)/3.564	(96.62)/3.804	(100.74)/3.966	90897-*64*	64
(73.66)/2.900	(81.26)/3.200	(85.44)/3.364	(91.54)/3.604	(95.66)/3.766	-*60*	60
(60.96)/2.400	(68.56)/2.700	(72.74)/2.864	(78.84)/3.104	(82.96)/3.266	-*50*	50
(48.26)/1.900	(55.86)/2.200	(60.04)/2.364	(66.14)/2.604	(70.26)/2.766	-*40*	40
(40.64)/1.600	(48.24)/1.900	(52.42)/2.064	(58.52)/1.304	(62.64)/2.466	-*34*	34
(35.56)/1.400	(43.16)/1.700	(47.34)/1.864	(53.44)/2.104	(57.56)/2.266	-*30*	30
(30.48)/1.200	(38.08)/1.500	(42.26)/1.664	(48.36)/1.904	(52.48)/2.066	-*26*	26
(22.86)/.900	(30.46)/1.200	(34.64)/1.364	(40.74)/1.604	(44.86)/1.766	-*20*	20
(17.78)/.700	(25.38)/1.000	(29.56)/1.164	(35.66)/1.404	(39.78)/1.566	-*16*	16
(15.24)/.600	(22.84)/.900	(27.02)/1.064	(33.12)/1.304	(37.24)/1.466	-*14*	14
(10.16)/.400	(17.76)/.700	(21.94)/.864	(28.04)/1.104	(32.16)/1.266	90897-*10*	10



90897-2*** STRAIN RELIEF VERSION



90897-1*** NON STRAIN RELIEF VERSION



RECOMMENDED P.C.B.HOLE PATTERN.

90897-****

-1*** LATCH FOR FEMALE WITH NO STRAIN RELIEF

-2*** LATCH FOR FEMALE WITH STRAIN RELIEF

PLATING TYPE

CCT SIZE

NOTES

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

2.PLATING TYPE
UNDERPLATE FOR ALL PLATING TYPES, (1um)/39uin MIN. NICKEL OVERALL.
-***1 PLATING (0.1um)/4uin MIN GOLD. SOLDER AREA (3um)/118uin MIN TIN
-***2 PLATING (0.76um)/30uin MIN GOLD. SOLDER AREA (3um)/118uin MIN TIN
-***3 PLATING (0.25um)/10uin MIN GOLD. SOLDER AREA (3um)/118uin MIN TIN

PRE-RELEASE REFERENCE USE ONLY

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LEAD FREE CONVERSION E2004-0792 04/02/17 PSHEAHAN

LTR	REVISIONS
E	

THIRD ANGLE PROJECTION

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°

	INCH	(METRIC)
3 PLACE	± .008	
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION ☒ (MM) (PRIMARY) ☐ IN.
EQUIVALENT DIMENSION ☐ (MM) (SECONDARY) ☒ IN.

DRWG BY PW
CHK'D BY
APP'D BY
SCALE 2:1

REVISE ONLY ON CAD SYSTEM SH. REV.

CADCAM FILENAME S90897X2 DGN

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TITLE
QF-50 R/A HEADER WITH DIN EJECT LEVERS TO MATE WITH MX-50 FEMALE

MOLEX EUROPE

SHEET NO. 20F
DATE 94/11/07

PART NO. SEE CHART
DWG NO. SDA-90897
SIZE B

7132-1283