

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0917140010](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, High Temp, Tin (Sn)
Plating, 10 Circuits, Glow Wire Compatible

Documents:

[3D Model](#) [Product Specification PS-99020-0011 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family Ribbon Cable / Wire Trap Connectors
Series [91714](#)
Component Type PCB Header
Glow-Wire Compliant Yes
Product Name Picoflex®

Physical

Circuits (Loaded) 10
Circuits (maximum) 10
Color - Resin Natural
Durability (mating cycles max) 30
Entry Angle 90° Angle
Lock to Mating Part Yes
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 1
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.063 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tube
Pitch - Mating Interface (in) 0.050 In
Pitch - Mating Interface (mm) 1.27 mm
Pitch - Term. Interface (in) 0.050 In
Pitch - Term. Interface (mm) 1.27 mm
Plating min: Mating (µin) 120
Plating min: Mating (µm) 3
Plating min: Termination (µin) 120
Plating min: Termination (µm) 3
Polarized to Mating Part Yes
Polarized to PCB No
Shrouded Open Ends
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole - Kinked Pin
Wire Insulation Diameter N/A
Wire Size AWG N/A
Wire/Cable Type Ribbon Cable

Electrical

Current - Maximum per Contact 2.4A
Voltage - Maximum 250V AC/DC

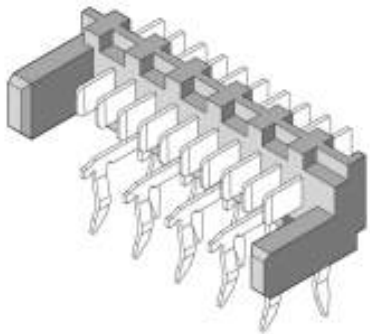


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

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
[91714Series](#)

Mates With
[90327](#) IDT Connector

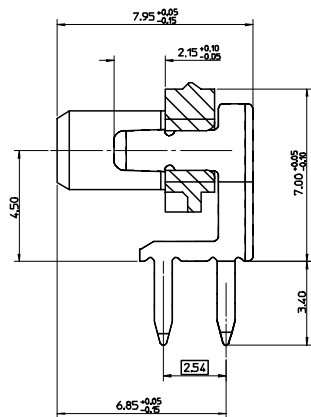
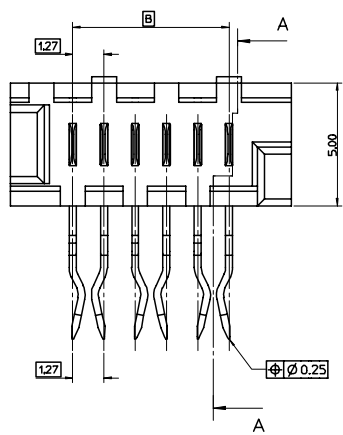
Material Info

Reference - Drawing Numbers

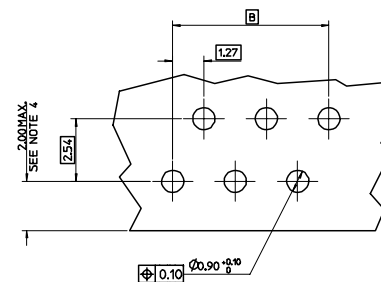
Product Specification	PS-99020-0011
Sales Drawing	SD-91714-001

This document was generated on 04/13/2010

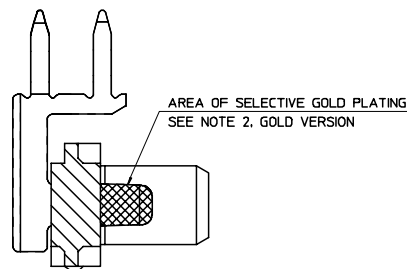
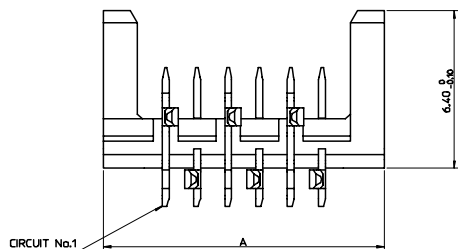
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



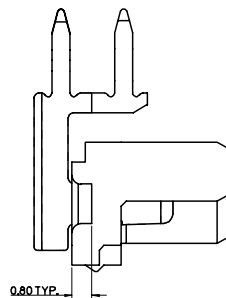
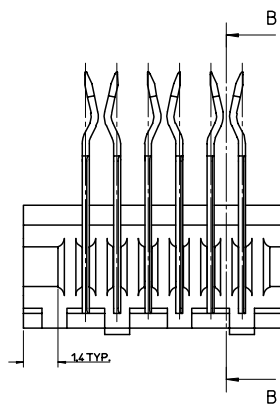
SECTION A-A



RECOMMENDED P.C.B. LAYOUT VIEWED FROM COMPONENT SIDE
(P.C.B THICKNESS 1.60±0.20)



SECTION B-B



91714 - * 0 **

CIRCUIT SIZE
(SEE CHART)

0= 3-5um TIN VERSION
3= 0.76um GOLD VERSION

91714--*026	26	36.80	31.75	14
91714--*024	24	34.26	29.21	15
91714--*022	22	31.72	26.67	16
91714--*020	20	29.18	24.13	18
91714--*018	18	26.64	21.59	20
91714--*016	16	24.10	19.05	22
91714--*014	14	21.56	16.51	24
91714--*012	12	19.02	13.97	28
91714--*010	10	16.48	11.43	32
91714--*008	08	13.94	8.89	38
91714--*006	06	11.40	6.35	46
91714--*004	04	8.86	3.81	59
PART No.	No. OF CKTS	DIMN. A	DIMN. B	QTY PER TUBE

NOTES:

1. MATERIAL:

HOUSING: NYLON 46, 30% GLASS FILLED TO UL 94 V-0, NATURAL.
TERMINAL: CARTRIDGE BRASS 0.28 THICK REF.

2. PLATING:

TIN VERSION: 3-5um TIN ALLOVER 127um NICKEL UNDERCOAT.
GOLD VERSION: 0.76um SELECTIVE GOLD AND 0.10-0.20um GOLD FLASH ALLOVER 127um NICKEL UNDERCOAT.

3. MATES WITH MOLEX 90327 SERIES.

4. DIMENSION APPLIES ONLY WHEN MATED TO A 90327 CONNECTOR WHOSE CABLE EXTENDS TOWARDS THE P.C.B.

5. SEE PRODUCT SPECIFICATION PS-99020-0011.

REVISION UPDATE EC NO: E2007-0083 DRW: DWASZKAE2006/09/11 CHKD: JDENNEHY2006/09/11 APPR: JDENNEHY2006/09/13	QUALITY SYMBOLS ▽ 0 ▽ 0	GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- ANGULAR ± 2 °	SCALE 10:1 DESIGN UNITS METRIC MM ONLY	THIRD ANGLE PROJECTION TITLE RIGHT ANGLE HIGH TEMP PICO FLEX HEADER ASSEMBLY STAGGERED 1.27 PITCH MOLEX MOLEX INCORPORATED	REVISE ON CAD ONLY
D	DESCRIPTION DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY JDENNEHY DATE 2004/02/17 CHECKED BY JDENNEHY DATE 2004/02/18 APPROVED BY BMAGUIRE DATE 2004/02/20	MATERIAL NO. SEE CHART DOCUMENT NO. SD-91714-001 SHEET NO. 1 OF 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	A1