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Part Number: [0917143018](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, High Temp, Gold (Au) Plating, 18 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)	18
Circuits (maximum)	18
Color - Resin	Natural
Durability (mating cycles max)	100
Entry Angle	90° Angle
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
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)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	4
Plating min: Termination (µm)	0.1
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

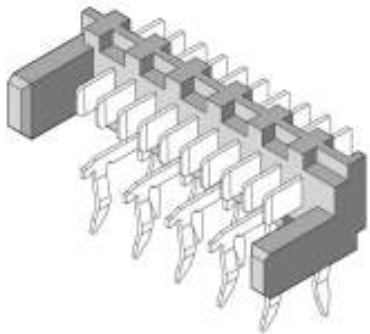


image - Reference only

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

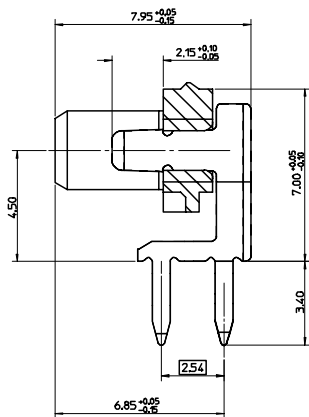
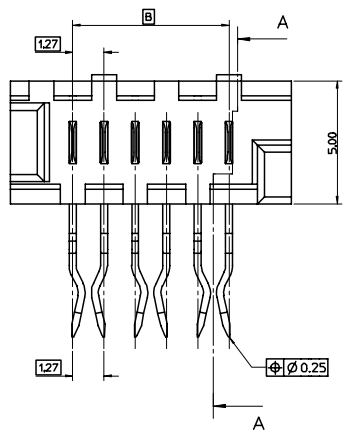
Material Info

Reference - Drawing Numbers

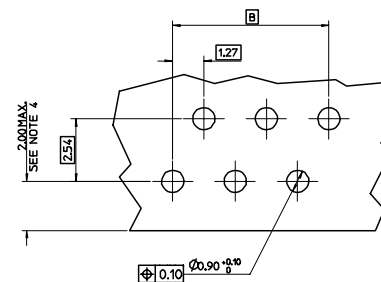
Product Specification	PS-99020-0011
Sales Drawing	SD-91714-001

This document was generated on 04/13/2010

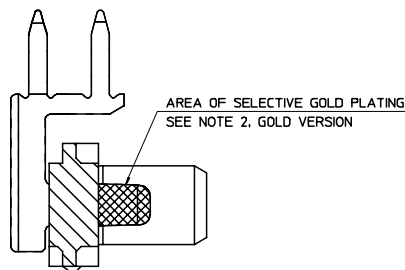
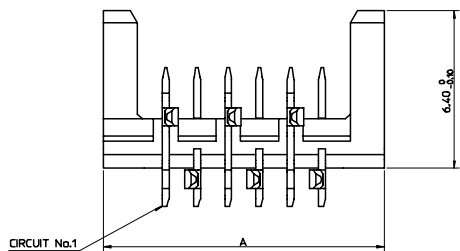
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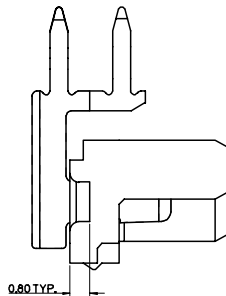
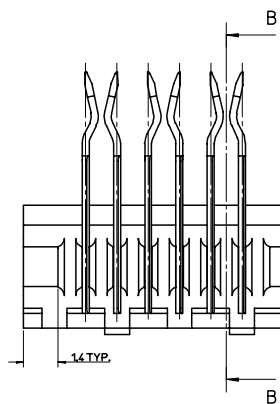
SECTION A-A



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 DRAWN BY: JENNEHY2006/09/11 CHKD: JENNEHY2006/09/11 APPR: JENNEHY2006/09/11	DESCRIPTION	QUALITY SYMBOLS ▽ - 0 ◻ - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 10:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
					DIMENSION STYLE MM ONLY		TITLE			
					DRAWN BY JDENNEHY		DATE 2004/02/17		RIGHT ANGLE HIGH TEMP PICO FLEX HEADER ASSEMBLY STAGGERED 1.27 PITCH	
					CHECKED BY JDENNEHY		DATE 2004/02/18		MOLEX MOLEX INCORPORATED	
					APPROVED BY BMAGUIRE		DATE 2004/02/20		MATERIAL NO. SD-91714-001	
D	REV		DRAFT WHERE APPLICABLE		DOCUMENT NO. SD-91714-001		SHEET NO. 1 OF 1			
			MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		A1			