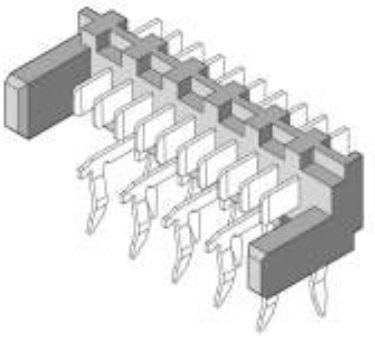
This document was generated on 04/13/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0917140016

Status: Active

Description: 1.27mm (.050") Pitch Picoflex® PF-50 Header, Right Angle, High Temp, Tin (Sn) Plating, 16 Circuits, Glow Wire Compatible



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-99020-0011 (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)	16
Circuits (maximum)	16
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

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Reviewed

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

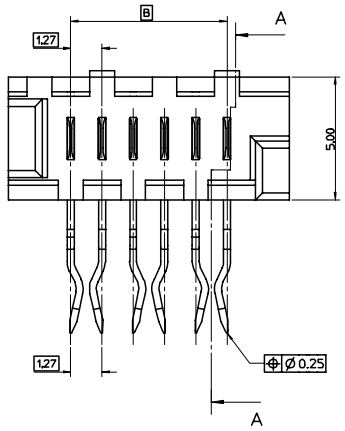
Material Info

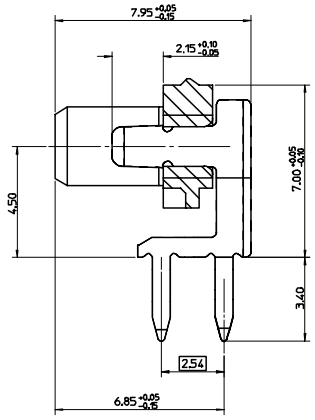
Reference - Drawing Numbers

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

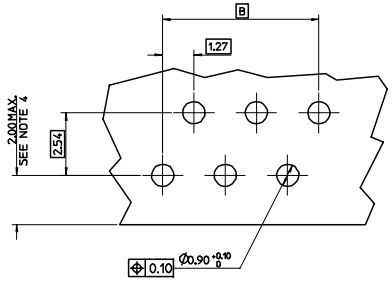
This document was generated on 04/13/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

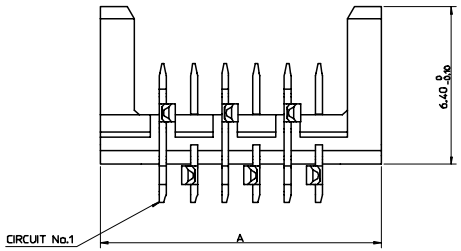


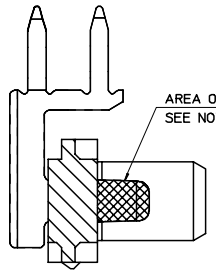


SECTION A-A

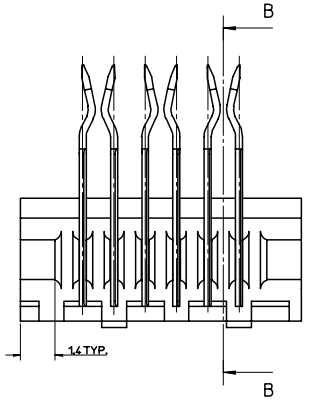


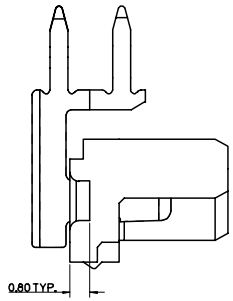
RECOMMENDED P.C.B. LAYOUT VIEWED FROM COMPONENT SIDE
(P.C.B THICKNESS 1.60±0.20)





SECTION B-B





91714 - * 0 **

- CIRCUIT SIZE (SEE CHART)
- 0= 3-5um TIN VERSION
- 3= 0.76um GOLD VERSION

PART No.	No. OF CKTS	DIMN. A	DIMN. B	QTY PER TUBE
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

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 1.27um NICKEL UNDERCOAT.
   GOLD VERSION: 0.76um SELECTIVE GOLD AND 0.10-0.20um GOLD FLASH ALLOVER 1.27um 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
DRWN:DWASZKIEW2006/09/11
CHKD: JDENNEHY2006/09/11
APPR: JDENNEHY2006/09/13
DESCRIPTION
REV D

QUALITY SYMBOLS
▼- 0
▽- 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	±0.10	± ---
1 PLACE	±0.20	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE 10:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY
DRAWN BY JDENNEHY DATE 2004/02/17
CHECKED BY JDENNEHY DATE 2004/02/18
APPROVED BY BMAGUIRE DATE 2004/02/20

TITLE
RIGHT ANGLE HIGH TEMP PICOFLEX HEADER ASSEMBLY STAGGERED 1.27 PITCH

molex MOLEX INCORPORATED

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

tb_frame_A1_P_AM_T
rev. B1 2000/08/01