

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0907793002

Status:

Active

Description:

1.27mm (.050") Pitch Picoflex® PF-50 Header, Vertical, Low Profile, High Temperature Surface Mount Compatible, 6 Circuits, Glow Wire Compatible

Documents:

3D Model

Drawing (PDF)

Product Specification PS-99020-0011 (PDF)

RoHS Certificate of Compliance (PDF)

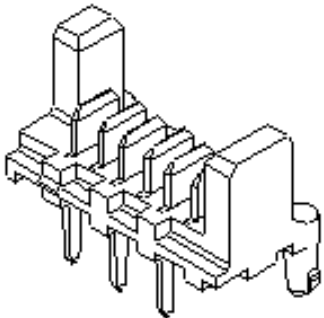
General	
Product Family	PCB Headers
Series	90779
Application	Wire-to-Board
Application Tooling Part Link	690081070
Product Name	Picoflex®
Physical	
Breakaway	No
Circuits (Loaded)	6
Color - Resin	Natural
Durability (mating cycles max)	100
First Mate / Last Break	No
Glow-Wire Compliant	Yes
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	120
Plating min: Termination (µm)	3
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1.2A
Voltage - Maximum	250V

Solder Process Data

Lead-free Process Capability

Wave Capable (TH only)

Material Info



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

90779Series

Mates With

90327 IDT Connector

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
Extraction Tool (Plastic) for 90327 Connector, 4-26 Circuit	0690081070

Reference - Drawing Numbers

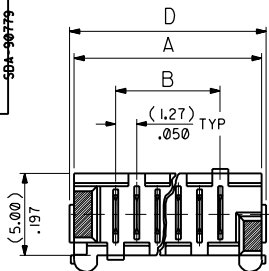
Product Specification

PS-99020-0011

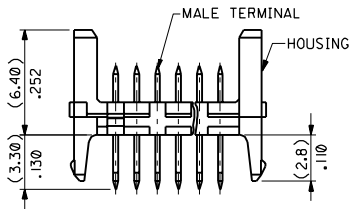
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SEE CHART
SDA-90779



SHADED AREA DENOTES
POSITION OF COLOUR
CODED HOT STAMP
MOULD BASE COLOUR:
NATURAL



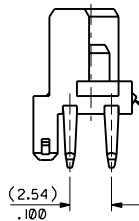
90779-***

- 0= 4-6um TIN ASSY
2= 0.38um GOLD ASSY
3= 0.76um GOLD ASSY
7= 0.76um GOLD, TUBED
8= 0.38um GOLD, TUBED
9= 4-6um TIN ASSY TUBED
- CIRCUIT 04 TO 20
COLOUR 0 NONE
2 RED
4 BLUE

NOTES:

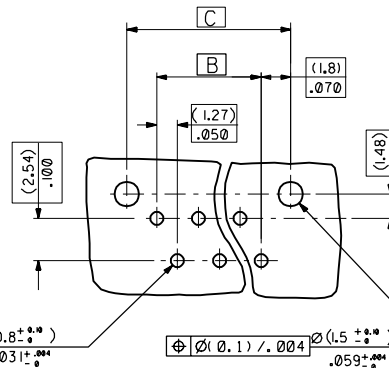
- HOUSING MATL. NYLON 46, 30% GLASS FILLED TO UL 94 V-0, NATURAL.
- TERMINAL MATL. BRASS (0.28) / (0.1) THK
PLATING, TIN: (1.27um) / 50u" MIN NICKEL
UNDER (4-6um) / 160-240u" 90°/10° TIN LEAD
PLATING, GOLD: (1.27um) / 50u" MIN. NICKEL
UNDER (3-5um) / 120-200u" TIN LEAD SELECTIVE
AND (0.38um) / 15u" OR (0.76um) / 30u" SELECTIVE GOLD
- APPL. CLASS TO DIN 40040 HME (-25°C / +100°C)
- PIN PUSH FORCE MIN 7N
- TEST VOLTAGE: 750 V.A.C. / 1MIN
- COMPATIBLE WITH MOLEX PT 90327

90779-**-10	20	(29.18) / .149	(24.13) / .950	(27.73) / .1092	(29.64) / .1167	18
-**08	18	(26.64) / .1049	(21.59) / .850	(25.19) / .992	(27.10) / .1067	19
-**07	16	(24.10) / .949	(19.05) / .750	(22.65) / .892	(24.56) / .967	21
-**06	14	(21.56) / .849	(16.51) / .650	(20.11) / .792	(22.02) / .867	24
-**05	12	(19.02) / .749	(13.97) / .550	(17.57) / .692	(19.48) / .767	27
-**04	10	(16.48) / .649	(11.43) / .450	(15.03) / .592	(16.94) / .667	31
-**03	8	(13.94) / .549	(8.89) / .350	(12.49) / .492	(14.40) / .567	36
-**02	6	(11.40) / .449	(6.35) / .250	(9.95) / .392	(11.86) / .467	44
90779-**-01	4	(8.86) / .349	(3.81) / .150	(7.41) / .292	(9.32) / .367	56
PART NO.	NO. OF CKTS	DIMN. A	DIMN. B	DIMN. C	DIM. D	NO. ASSYS IN TUBE



LATCH FOR FEMALE
CONNECTOR

PCB LAYOUT
FROM SOLDER SIDE.
BOARD (1.60 ± 0.14) THK
.063 ± .006 THK.



Ø(0.1) / .004 Ø(0.8) / .031 Ø(0.1) / .004 Ø(1.5) / .059

FOR PREVIOUS
DRAWING ISSUES
SEE MRL.

ADDED SHEET 2 E2000-0520 1 PLACE IN MOLEX	REVISIONS	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 5° INCH (METRIC) 3 PLACE ± .000 2 PLACE ± .000 1 PLACE ± .020 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DESIGN DIMENSION (MM) (PRIMARY) IN. EQUIVALENT DIMENSION (SECONDARY) (MM) IN.	DRWG BY BGB CHKD BY APPRD BY SCALE 5:1
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REVISE ONLY ON CAD SYSTEM		SH. REV.
CAD/CAM FILENAME SAS9779.D3X		
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MOLEX EUROPE		SHEET NO. / DATE 10F2 92/08/21
PART NO. SEE CHART	DRG NO. SDA-90779	SIZE B