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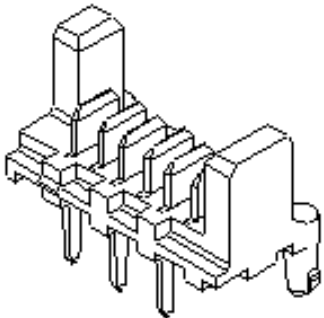
Part Number: [0907793003](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Picoflex® PF-50 Header, Vertical, Low Profile, High Temperature Surface Mount Compatible, 8 Circuits, Glow Wire Compatible

Documents:
[3D Model](#) [Product Specification PS-99020-0011 \(PDF\)](#)
[Drawing \(PDF\)](#) [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)	8
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	
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)



Series
image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
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
[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

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	230

Material Info

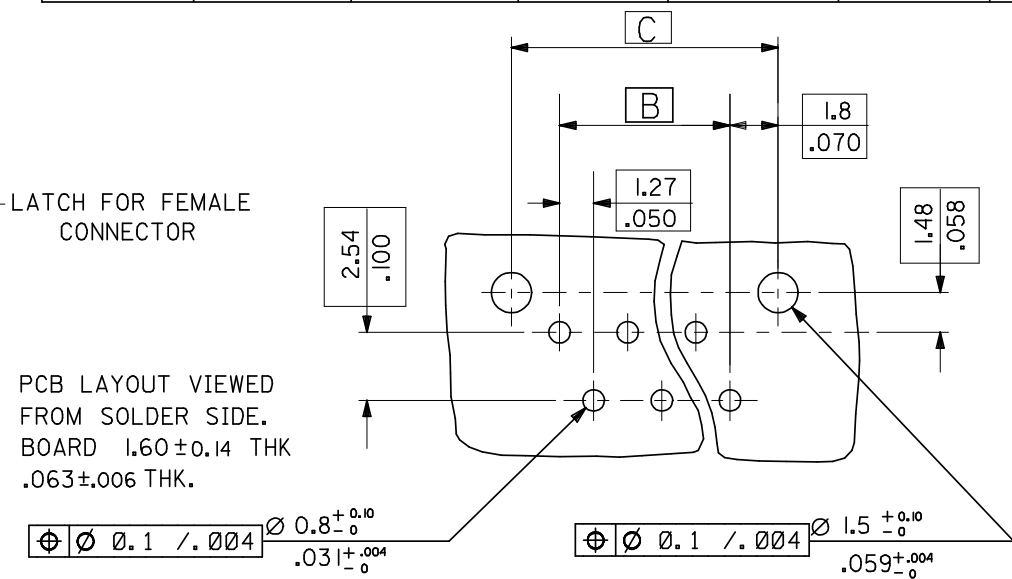
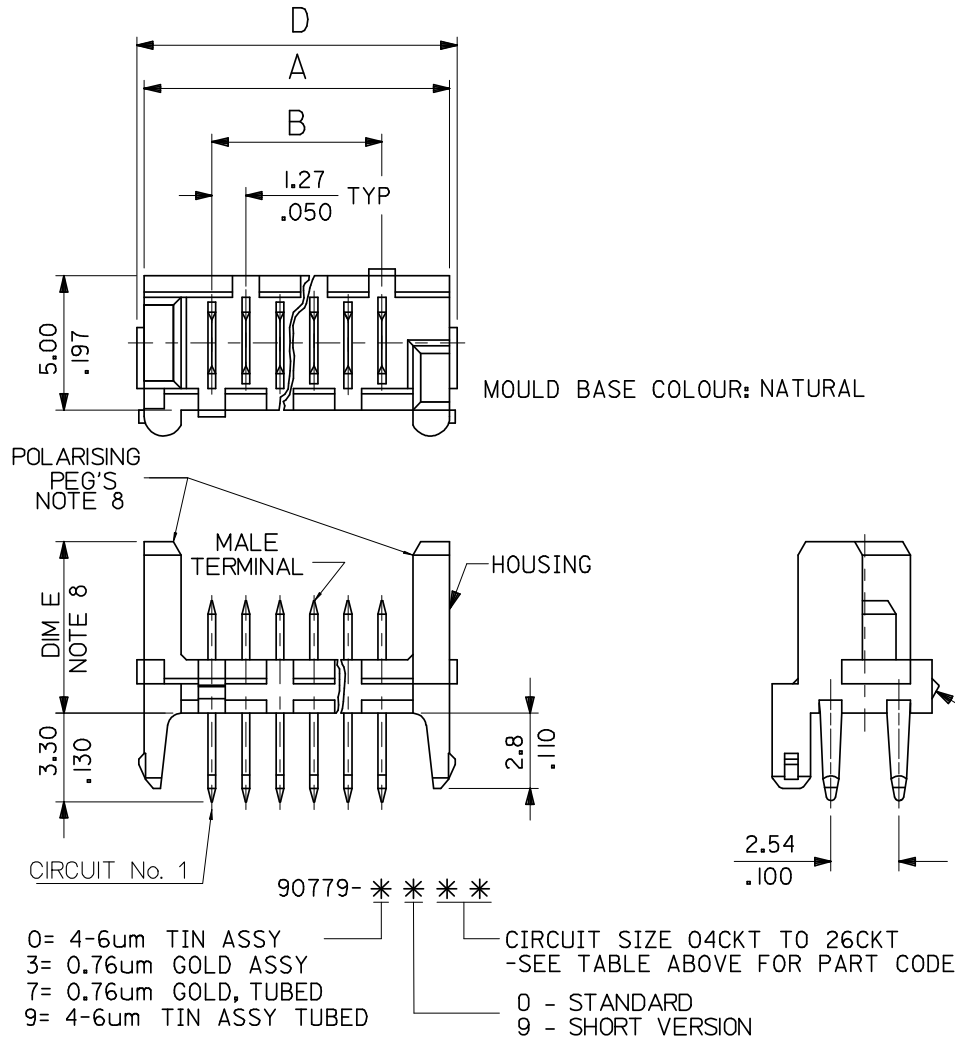
Reference - Drawing Numbers

Product Specification	PS-99020-0011
Sales Drawing	SDA-90779

This document was generated on 04/23/2010

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90779-**-13	26	36.80 / 1.449	31.75 / 1.250	35.35 / 1.392	37.26 / 1.467	14
↑ -**-12	24	34.26 / 1.349	29.21 / 1.150	32.81 / 1.292	34.72 / 1.367	15
-**-11	22	31.72 / 1.249	26.67 / 1.050	30.27 / 1.192	32.18 / 1.267	16
-**-10	20	29.18 / 1.149	24.13 / .950	27.73 / 1.092	29.64 / 1.167	18
-**-08	18	26.64 / 1.049	21.59 / .850	25.19 / .992	27.10 / 1.067	19
-**-07	16	24.10 / .949	19.05 / .750	22.65 / .892	24.56 / .967	22
-**-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	32
-**-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	57
PART NO.	NO. OF CKTS	DIM. A	DIM. B	DIM. C	DIM. D	NO. ASSYS IN TUBE



NOTES
1. HOUSING. NYLON 46, GLASS FILLED UL 94 V-0, NATURAL (WHITE).
2. TERMINAL. BRASS
PLATING. TIN: 0.00127mm/.011" MIN NICKEL
UNDER 0.004-0.006mm/.160-.240" TIN
PLATING. GOLD: 0.00127mm/.050" MIN. NICKEL
UNDER 0.003-0.005mm/.120-.200" TIN SELECTIVE
AND 0.00076mm/.030" SELECTIVE GOLD

3. APPLICATION CLASS TO DIN 40040 HME (-25°C/+100°C)
4. PIN PUSH FORCE 7N
5. TEST VOLTAGE: 750V.A.C./1 MIN
6. COMPATIBLE WITH MOLEX PART 90327
7. PRODUCT SPECIFICATION: PS-99020-0011
8. POLARISING PEG AVAILABLE IN 2 OPTIONS
DIM E: STANDARD 6.40mm/.252"
DIM E: SHORT VERSION 4.10mm/.161"

ADDED PART NUMBERS SHORT POL PEG VERSION EC NO: E2008-0379	2008/02/28 2008/02/28 2008/02/28	DRWN:DBYRNES CHKD: APPR: J WALLACE	DESCRIPTION REV
QUALITY SYMBOLS =0 =0			

GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	mm	INCH	DRAWN BY	DATE	TITLE HEADER ASSEMBLY		
4 PLACES	± ---	± .008	BGB	1992/08/21			
3 PLACES	± 0.20	± .008	CHECKED BY	DATE			
2 PLACES	± 0.20	± ---	DMORIARTY	2004/12/03	MOLEX INCORPORATED		
1 PLACE	± ---	± ---	APPROVED BY	DATE			
ANGULAR ± ---°		JDENNEHY	2004/12/03				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.
			SEE CHART		SDA-90779		1 OF 1
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				