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Part Number: [0905841304](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, Low Profile, Board-In, 4 Circuits

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification ES-99033-0002 \(PDF\)](#)
[Product Specification PS-99020-0011 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family Ribbon Cable / Wire Trap Connectors
Series [90584](#)
Comments Low Profile
Component Type One Piece
Glow-Wire Compliant No
MolexKits Yes
Product Name Board-In, Picoflex®

Physical

Circuits (Loaded) 4
Color - Resin Natural
Durability (mating cycles max) 30
Entry Angle 90° Angle
Lock to Mating Part None
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Polyester
Number of Rows 2
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 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
Plating min: Mating (µin) 80.00
Plating min: Mating (µm) 2.00
Plating min: Termination (µin) 80.00
Plating min: Termination (µm) 2.00
Polarized to Mating Part N/A
Polarized to PCB Yes
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 1.00mm (.039") max.
Wire Size AWG 26, 28
Wire/Cable Type Ribbon Cable

Electrical

Current - Maximum per Contact 1.2A
Voltage - Maximum 250V

Solder Process Data

Lead-free Process Capability Wave Capable (TH only)

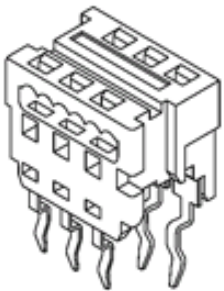


image - Reference only

Series

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

[90584Series](#)

Mates With

N/A

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 #
Arbor Press Fixture	0690201902
Semi-Automatic	0691271010
Bench Press PB16 with Auto De- tubing for 90854 Connectors	
Handtool for 90327, 90584 and 91577 Picoflex®	0690081090

Material Info

Reference - Drawing Numbers

Product Specification
Sales Drawing

ES-99033-0002, PS-99020-0011
SDA-90584

Connectors, 4-26
Circuit
Arbor Press Fixture 0690201908
for 91577 Picoflex®
Connectors

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10	9	8	7	6	5	4	3	2	1
90584 -**26	26	(35.53)/1.399	(31.75)/1.250	(30.48)/1.200	14	98	7		
↑ -**24	24	(32.99)/1.299	(29.21)/1.150	(27.94)/1.100	15	105	↑		
-**22	22	(30.45)/1.199	(26.67)/1.050	(25.40)/1.000	16	112			
-**20	20	(27.91)/1.099	(24.13)/.950	(22.86)/.900	18	126			
-**18	18	(25.37)/.999	(21.59)/.850	(20.32)/.800	20	140			
-**16	16	(22.83)/.899	(19.05)/.750	(17.78)/.700	23	161			
-**14	14	(20.29)/.799	(16.51)/.650	(15.24)/.600	26	182			
-**12	12	(17.75)/.699	(13.97)/.550	(12.70)/.500	30	210			
-**10	10	(15.21)/.599	(11.43)/.450	(10.16)/.400	34	238			
-**08	8	(12.67)/.499	(8.89)/.350	(7.62)/.300	42	294			
↓ -**06	6	(10.13)/.399	(6.35)/.250	(5.08)/.200	54	378	↓		
90584 -**04	4	(7.59)/.299	(3.81)/.150	(2.54)/.100	70	490	7		
PART NO.	CCT SIZE	DIMENSION A	DIMENSION B	DIMENSION C	TUBE QTY	STACK QTY	TUBES PER STACK		

HOUSING

MATL. POLYESTER, RATED UL 94V-0, COLOUR WHITE.

IDT CONTACT

MATL : PHOSPHOR BRONZE (0.28)/.011 REF THICK.

PLATING : (2-4um) / 80-160u" TIN

NOTES:

1. APPL. CLASS TO DIN 40040 HME (-25°C/+100°C)
2. SEE PRODUCT SPECIFICATION PS-99020-0011
3. WIRE TERMINATION SPEC : ES-99033-0002

90584- * * * *

04 TO 26 = CKT SIZE.

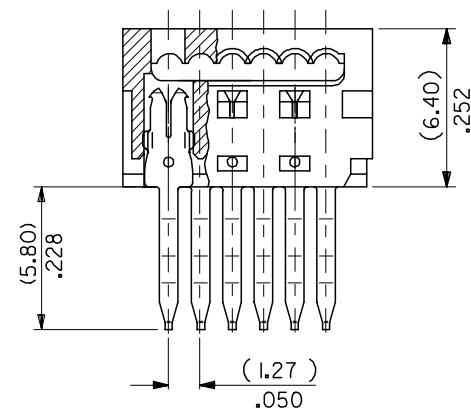
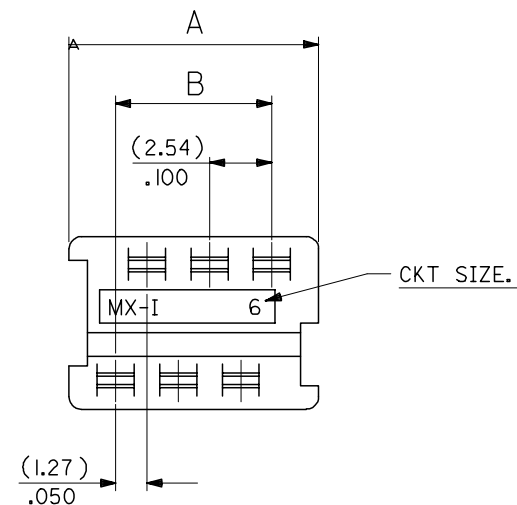
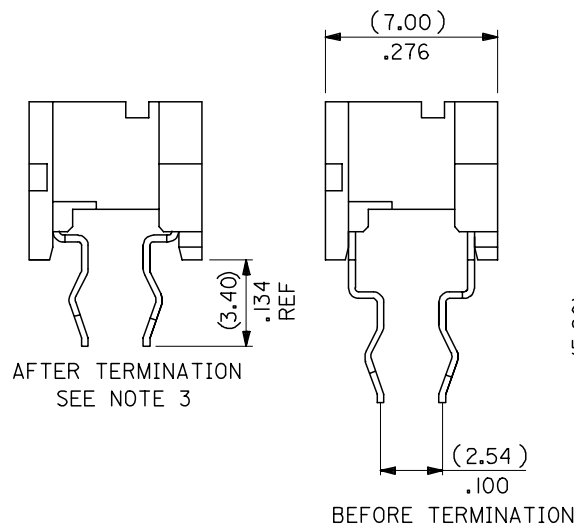
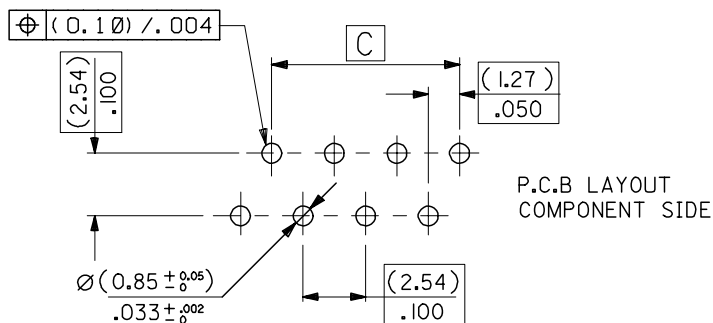
3= NO CIRCUITS VOIDED.

4= CIRCUITS 4 & 5 VOIDED.

1= INDIVIDUAL TUBED ASSY

2= STACKED TUBED ASSY - SEE SHEET 2

9= NON STANDARD OPTION - SEE SHEET 3



ADD VOIDED OPTION EC NO: E2005-1027 DRAWN: GMSWEN 2005/05/10 CHKD: JMR/LARTY 2005/05/10 APPR: DENNEHY 2005/05/26 M	DESCRIPTION	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 DMCNAMAR	DATE 2003/09/01	TITLE 1.27MM PF LOW PRO IDT BOARD-IN CONNECTOR		
			4 PLACES	± ---	± ---	CHECKED BY BMAGUIRE	DATE 2003/09/01			
			3 PLACES	± ---	± ---	APPROVED BY MWILHITE	DATE 2003/09/01	molex MOLEX INCORPORATED		
			2 PLACES	± 0.10	± ---	MATERIAL NO. SEE CHART				
			1 PLACE	± 0.20	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
			ANGULAR ±1/2°							



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Rev. D 2004/04/02