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Part Number: [0905841308](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Picoflex® PF-50 IDT Receptacle, Low Profile, Board-In, 8 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)	8
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

Duration at Max. Process Temperature (seconds)	5
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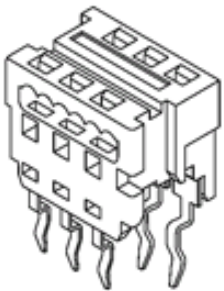


image - Reference only

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

Lead-free Process Capability	Wave Capable (TH only)	Connectors, 4-26
Max. Cycles at Max. Process Temperature	1	Circuit
Process Temperature max. C	230	Arbor Press Fixture <u>0690201908</u>
Material Info		for 91577 Picoflex®
Reference - Drawing Numbers		Connectors
Product Specification	ES-99033-0002, PS-99020-0011	
Sales Drawing	SDA-90584	

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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.

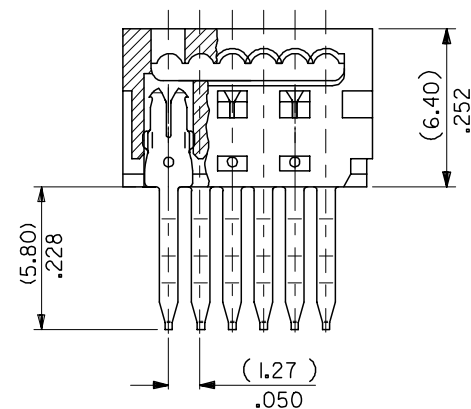
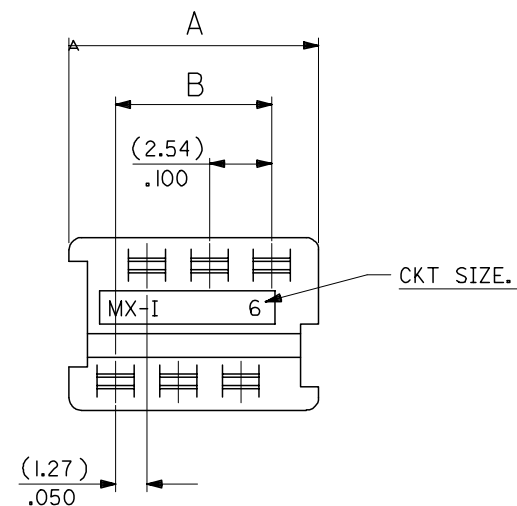
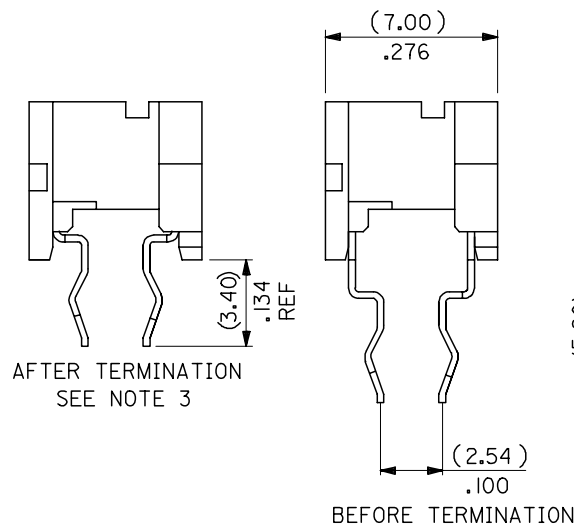
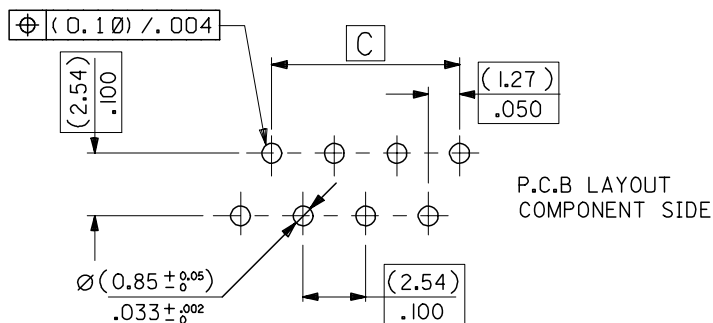
3= NO CIRCUITS VOIDED.

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	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			
		2 PLACES	± 0.10	± ---					
		1 PLACE	± 0.20	± ---					
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO. SDA-90584			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MOLEX INCORPORATED			
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 3			

