

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0903270353

Status:

Active

Description:

1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 4 Circuits, Natural, Tin Plated, Reeling Option C

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Ribbon Cable / Wire Trap Connectors

Series

90327

Comments

Low Profile|Reeling Option C

Component Type

Housing

Glow-Wire Compliant

No

Product Name

Picoflex®

Physical

Circuits (Loaded)

4

Color - Resin

Natural

Durability (mating cycles max)

30

Entry Angle

90° Angle

Flammability

94V-0

Lock to Mating Part

Yes

Material - Metal

Phosphor Bronze

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

Polyester

Number of Rows

2

PCB Retention

None

Packaging Type

Embossed Tape on Reel

Pitch - Mating Interface (in)

0.050 In

Pitch - Mating Interface (mm)

1.27 mm

Plating min: Mating (µin)

80.00

Plating min: Mating (µm)

2.000

Plating min: Termination (µin)

80.00

Plating min: Termination (µm)

2.00

Polarized to Mating Part

Yes

Stackable

No

Surface Mount Compatible (SMC)

N/A

Temperature Range - Operating

-40°C to +105°C

Termination Interface: Style

IDT or Pierce

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

Material Info

Reference - Drawing Numbers

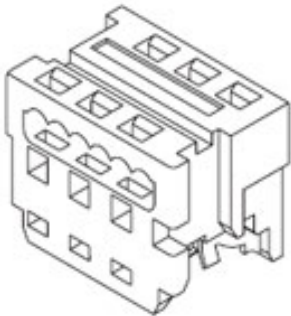


image - Reference only

Series

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

90327Series

Mates With

Low Profile Vertical 90325 , Low Profile Right Angle 90800 , 90715 , 90814 , 90779 Vertical

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
Extrator Tool for Picoflex™ Connectors	0621006000

This document was generated on 03/17/2010

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NOTES:

1. APPL. CLASS TO DIN 40040 HME (-25°C/+100°C).
2. COMPATIBLE WITH MOLEX PT 90325.
3. USE WITH CABLES 28AWG STD. 26AWG STD. AND 26AWG (69 STRANDS) SUPERFLEX.
4. TERMINATION SPECIFICATION: ES-99033-0001.
5. PRODUCT SPECIFICATION: PS-99020-0011.

90 27- * 3 * *

0= 2um PRE TIN ASSY

3= 0.76um GOLD ASSY

SEE CONTACT PLATING NOTE

04 TO 26 = CCT SIZE, 51 TO 98
= ASSY ON REELS, SEE CHART.

COLOUR WHITE

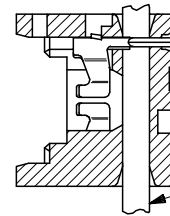
HOUSING

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

IDT CONTACT

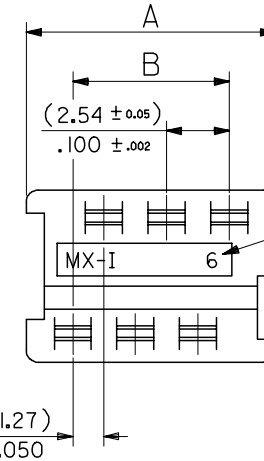
MATL. PHOS BRONZE (0.17)/.0066
THK HV 180-200

PLATING. TIN: (2-4um)/80-160u" PURE TIN
PLATING. GOLD: (1.3um)/50u" MIN. NICKEL
UNDER (0.76um)/30u" SELECTIVE GOLD



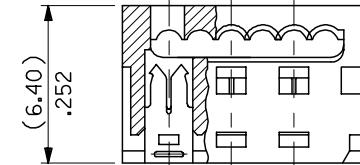
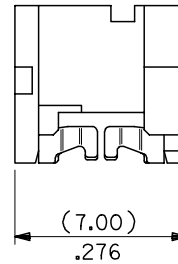
RIBBON CABLE
1.27mm PITCH

SECTION SHOWING
ASSY AFTER TERMINATION
SEE NOTE 6



NO. OF WAYS

(1.27)
.050



90327 - *326	26	(35.53)/1.399	(31.75)/ 1.250
- *324	24	(32.99)/1.299	(29.21)/1.150
- *322	22	(30.45)/1.199	(26.67)/1.050
- *320	20	(27.91)/1.099	(24.13)/ .950
- *318	18	(25.37)/ .999	(21.59)/ .850
- *316	16	(22.83)/ .899	(19.05)/ .750
- *314	14	(20.29)/ .799	(16.51)/ .650
- *312	12	(17.75)/ .699	(13.97)/ .550
- *310	10	(15.21)/ .599	(11.43)/ .450
- *308	8	(12.67)/ .499	(8.89)/ .350
- *306	6	(10.13)/ .399	(6.35)/ .250
90327 - *304	4	(7.59)/ .299	(3.81)/ .150
PART NO.	CCT SIZE	DIMENSION A	DIMENSION B

REMOVE COLOUR CODE EC NO: E2007-0940 DRWN:DMASZK/EMI CZ 2007/06/07 CHKD:DMORIARTY 2007/06/11 APPR: JDENNEY 2007/06/14 AF	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		 =0 =0		mm	INCH	DRAWN BY NPC	DATE 1987/07/28	IDT ASSEMBLY PICOFLEX			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± .004	DMORIARTY	2004/09/15				
			2 PLACES	± 0.10	± ---	APPROVED BY	DATE	MOLEX INCORPORATED			
			1 PLACE	± ---	± ---	JDENNDHY	2004/09/16				
		ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-90327		1 OF 2					
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

9 8 7 6 5 4 3 2 1

REELING OPTION A

REELING OPTION B

NARROW POLARISING SLOT

REELING OPTION C

REELING OPTION D

WIDE POLARISING SLOT

REV	DESCRIPTION
AE	REVISION UPDATE EC NO: E2007-0940 DRWN:DMASZK/EMI CZ 2007/06/07 CHKD:DMORIARTY 2007/06/11 APPR: JDENNEHY 2007/06/14

QUALITY SYMBOLS
 = 0
 = 0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSDIMENSION STYLE
MM/IN

DRAWN BY	DATE
PAD	1991/02/27
CHECKED BY	DATE
DMORIARTY	2004/09/15
APPROVED BY	DATE
JDENNEHY	2004/09/16
MATERIAL NO.	

SEE CHART

SCALE
NTSDESIGN UNITS
METRIC THIRD ANGLE
PROJECTIONIDT ASSEMBLY
PICOFLEX

MOLEX INCORPORATED

DOCUMENT NO.
SDA-90327SHEET NO.
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