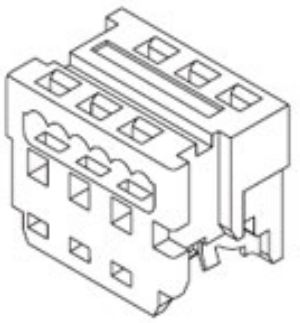
This document was generated on 03/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0903270354
Status: Active
Description: 1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 4 Circuits, Natural, Tin Plated, Reeling Option D



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Ribbon Cable / Wire Trap Connectors
Series	90327
Comments	Low Profile|Reeling Option D
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

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
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
Semi-Automatic PB14 Bench Press with Auto De-	0691271004

Sales Drawing	SDA-90327	reeling for 90327 Connectors Semi-Automatic Bench Press PB14 with Auto De-reeling for 90327 Connectors (110V) 0691271024 Semi-Automatic Bench Press PB14 with Auto De-reeling and Foot Pedal (110V) 0691271027 Extrator Tool for Picoflex™ Connectors 0621006000

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

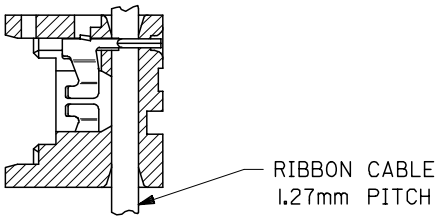
MATL: POLYESTER RATED AT UL 94 V-0, COLOUR WHITE.

IDT CONTACT

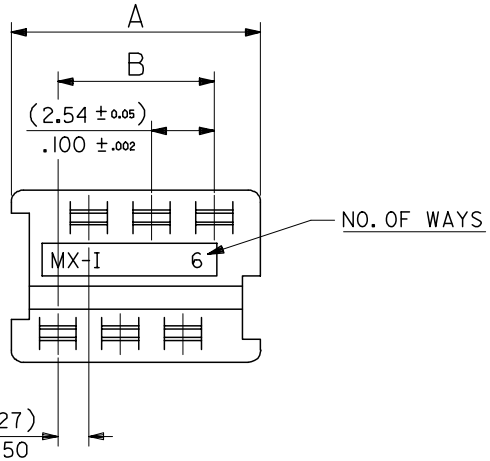
MATL. PHOS BRONZE (0.17)/.0066 THK HV 180-200

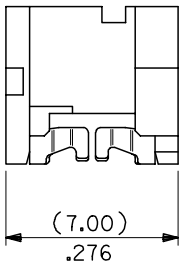
PLATING. TIN: (2-4um)/80-160u" PURE TIN

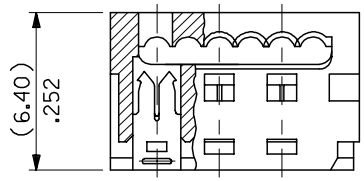
PLATING. GOLD: (1.3um)/50u" MIN. NICKEL UNDER (0.76um)/30u" SELECTIVE GOLD



SECTION SHOWING ASSY AFTER TERMINATION SEE NOTE 6







PART NO.	CCT SIZE	DIMENSION A	DIMENSION B
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

REMOVE COLOUR CODE
EC NO: E2007-0940
DRWN:DWASZKIEWICZ 2007/06/07
CHKD:DMORIARTY 2007/06/11
APPR: JDENNEHY 2007/06/14
DESCRIPTION
AF
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .004
2 PLACES	± 0.10	± ---
1 PLACE	± ---	± ---

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: NPC DATE: 1987/07/28
CHECKED BY: DMORIARTY DATE: 2004/09/15
APPROVED BY: JDENNDHY DATE: 2004/09/16
MATERIAL NO.: SEE CHART

TITLE: IDT ASSEMBLY PICOFLEX

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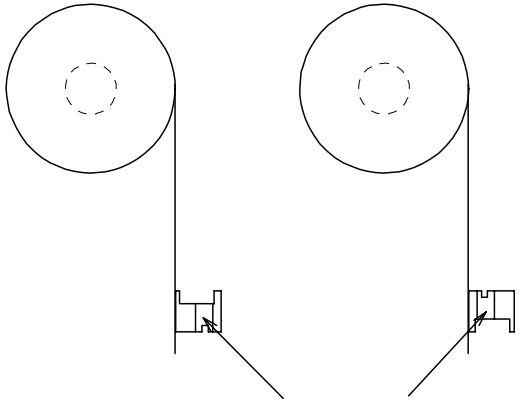
DOCUMENT NO.: SDA-90327
SHEET NO.: 1 OF 2

SIZE A3

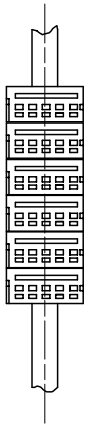
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REELING OPTION A

REELING OPTION B

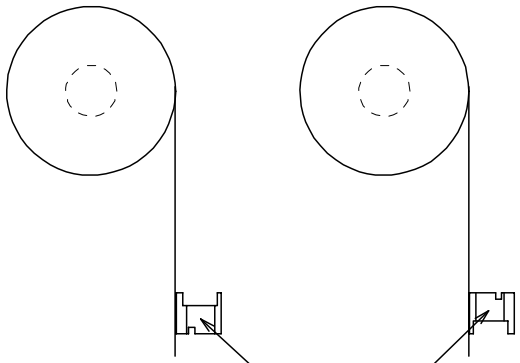


NARROW POLARISING SLOT



REELING OPTION C

REELING OPTION D



WIDE POLARISING SLOT

REEL ASSY NO.	PART NO.	CCT SIZE	REELING OPTION
90327-*351	90327-*304	4	A
*352			B
*353			C
90327-*354	90327-*304	4	D
90327-*355	90327-*306	6	A
*356			B
*357			C
90327-*358	90327-*306	6	D
90327-*359	90327-*308	8	A
*360			B
*361			C
90327-*362	90327-*308	8	D
90327-*363	90327-*310	10	A
*364			B
*365			C
90327-*366	90327-*310	10	D
90327-*367	90327-*312	12	A
*368			B
*369			C
90327-*370	90327-*312	12	D
90327-*371	90327-*314	14	A
*372			B
*373			C
90327-*374	90327-*314	14	D

REEL ASSY NO.	PART NO.	CCT SIZE	REELING OPTION
90327-*375	90327-*316	16	A
*376			B
*377			C
90327-*378	90327-*316	16	D
90327-*379	90327-*318	18	A
*380			B
*381			C
90327-*382	90327-*318	18	D
90327-*383	90327-*320	20	A
*384			B
*385			C
90327-*386	90327-*320	20	D
90327-*387	90327-*326	26	A
*388			B
*389			C
90327-*390	90327-*326	26	D
90327-*391	90327-*322	22	A
*392			B
*393			C
90327-*394	90327-*322	22	D
90327-*395	90327-*324	24	A
*396			B
*397			C
90327-*398	90327-*324	24	D

REVISION UPDATE
EC NO: E2007-0940
DRWN:DWASZKIEWI(CZ 2007/06/07
CHKD:DMORIARTY 2007/06/11
APPR: JDENNEHY 2007/06/14
DESCRIPTION

REV AE

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 DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

TITLE: IDT ASSEMBLY PICOFLEX

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DOCUMENT NO.: SDA-90327
SHEET NO.: 2 OF 2

SIZE A3

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