

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0903270379

Status:

Active

Description:

1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 18 Circuits, Natural, Tin Plated, Tin Plated, Reeling Option A

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 A
Component Type	Housing
Glow-Wire Compliant	No
Product Name	Picoflex®

Physical

Circuits (Loaded)	18
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

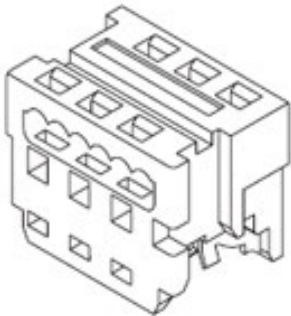


image - Reference only

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

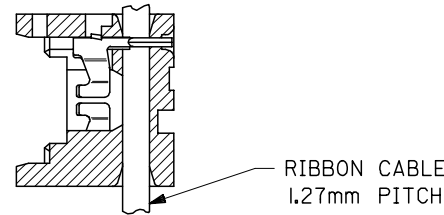
04 TO 26 = CCT SIZE, 51 TO 98
= ASSY ON REELS, SEE CHART.
COLOUR WHITE

HOUSING

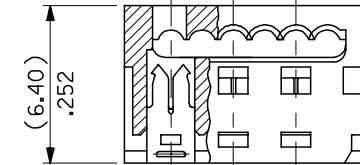
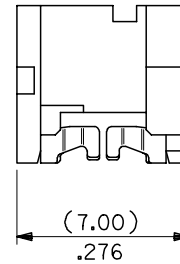
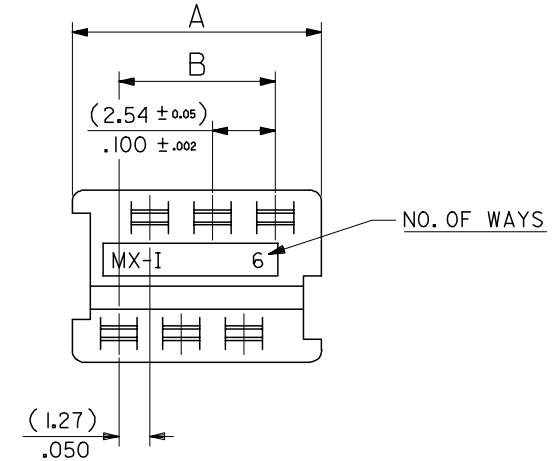
MATL: POLYESTER RATED AT UL 94 V-0,
COLOUR WHITE.

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



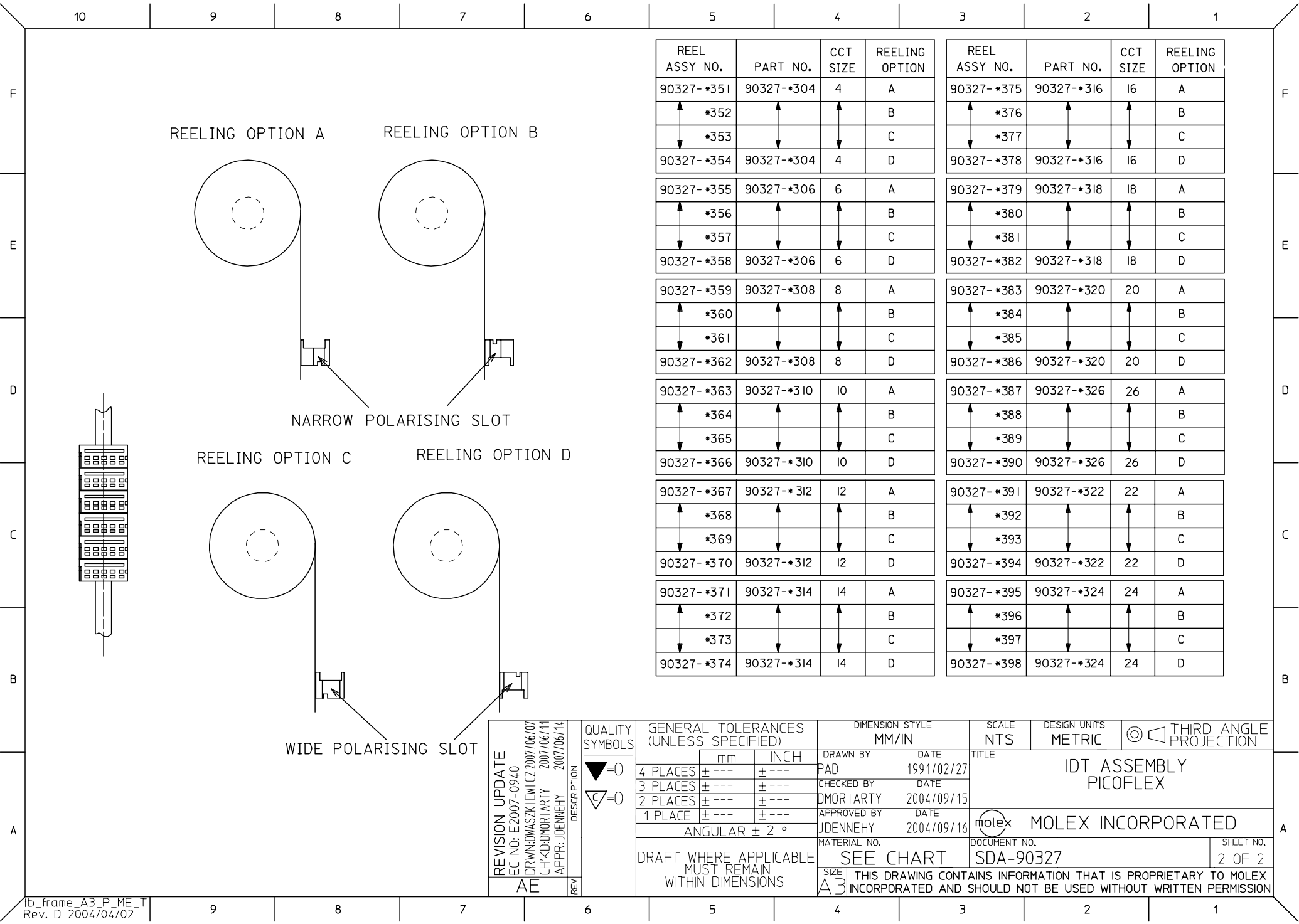
SECTION SHOWING
ASSY AFTER TERMINATION
SEE NOTE 6



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 ▽=0 ▽=0	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			4 PLACES 3 PLACES 2 PLACES 1 PLACE ANGULAR ± 2 °	mm	INCH	DRAWN BY NPC	DATE 1987/07/28	TITLE IDT ASSEMBLY PICO FLEX			
						CHECKED BY DMORIARTY	DATE 2004/09/15				
						APPROVED BY JDENNDHY	DATE 2004/09/16	MOLEX INCORPORATED			
						MATERIAL NO.					
REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART						
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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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:DMASZK/EMI CZ 2007/06/07
CHKD:DMORIARTY 2007/06/11
APPR: JDENNEHY 2007/06/14

AE

QUALITY SYMBOLS
▽=0
▽C=0

DESCRIPTION
REV

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
DRAWN BY DATE
PAD 1991/02/27
CHECKED BY DATE
DMORIARTY 2004/09/15
APPROVED BY DATE
JDENNEHY 2004/09/16

MATERIAL NO.

SIZE
A3

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

IDT ASSEMBLY
PICOFLEX

MOLEX INCORPORATED

DOCUMENT NO.
SDA-90327

SHEET NO.
2 OF 2

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