

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0903270393

Status:

Active

Description:

1.27mm (.050") Pitch Picoflex® PF-50, Low Profile, IDT Receptacle, 22 Circuits, Natural, Tin Plated, Tin Plated, Reeling Option C

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

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)	22
Circuits (maximum)	22
Color - Resin	Natural
Durability (mating cycles max)	100
Entry Angle	Vertical
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
PCB Thickness Recommended (in)	0.000 In
PCB Thickness Recommended (mm)	0.00 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 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
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
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 AC/DC

Material Info

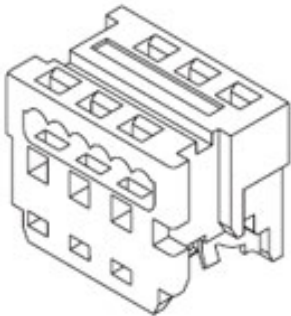


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

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

Reference - Drawing Numbers

Sales Drawing

SDA-90327

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

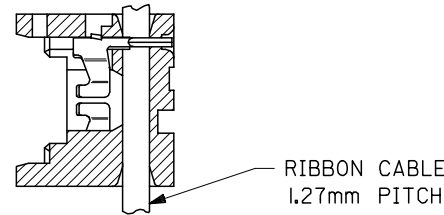
04 TO 26 = CCT SIZE, 51 TO 98
= ASSY ON REELS, SEE CHART.
COLOUR WHITE

HOUSING

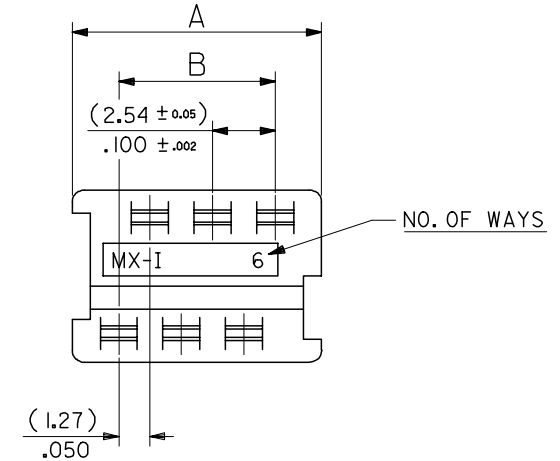
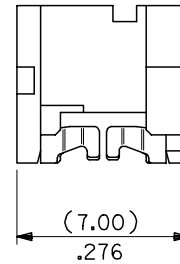
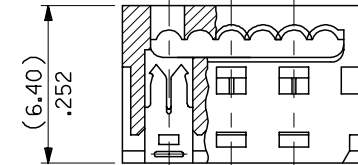
MATL: POLYESTER RATED AT UL 94 V-0,
COLOUR WHITE.

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



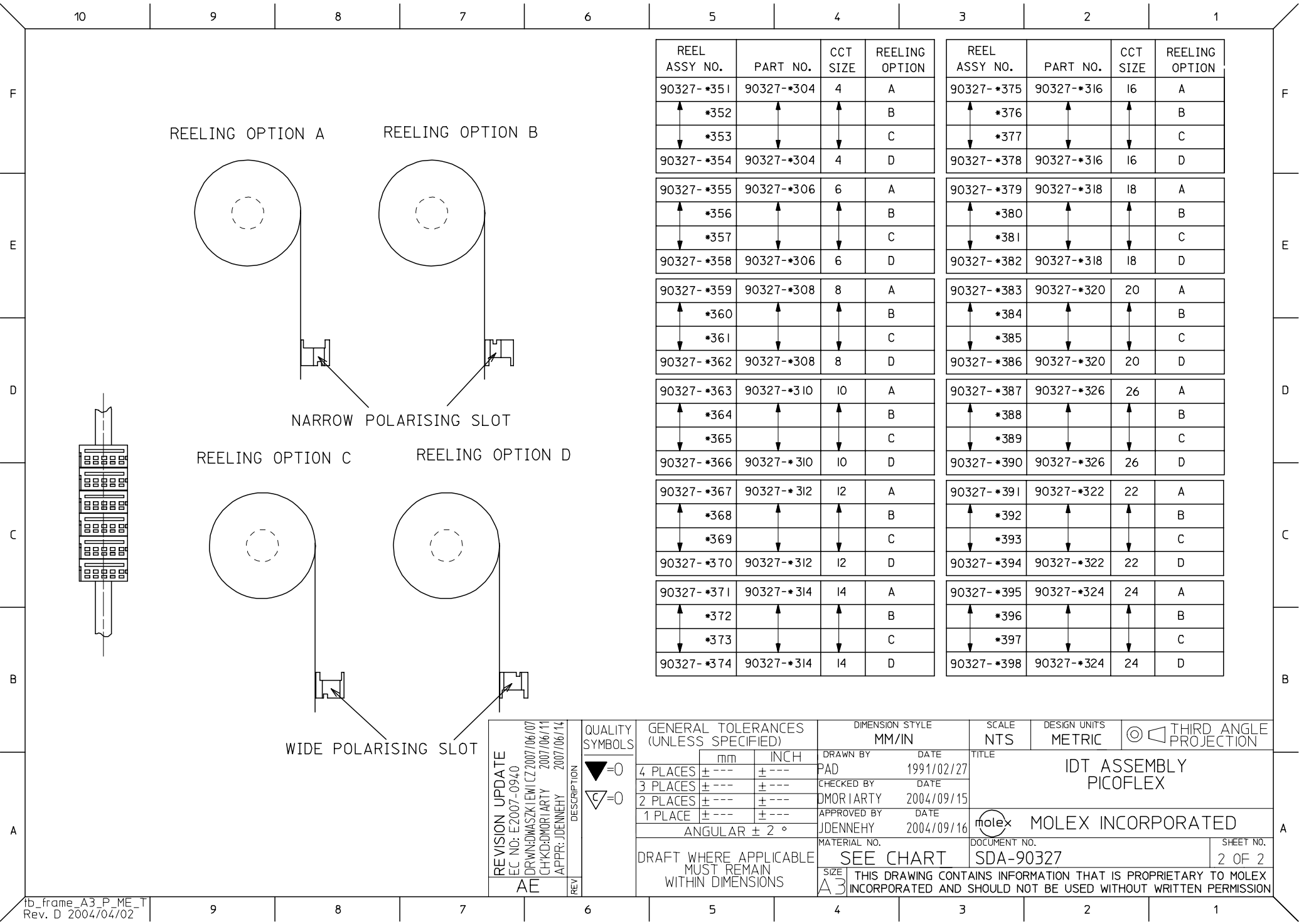
SECTION SHOWING
ASSY AFTER TERMINATION
SEE NOTE 6



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 REV	QUALITY SYMBOLS <div>▽=0</div> <div>▽=0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					DRAWN BY NPC	DATE 1987/07/28	IDT ASSEMBLY PICOFLEX					
					CHECKED BY DMORIARTY	DATE 2004/09/15						
					APPROVED BY JDENNDHY	DATE 2004/09/16						MOLEX INCORPORATED
					MATERIAL NO.		DOCUMENT NO.					SHEET NO.
					SEE CHART		SDA-90327					1 OF 2
		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								

9 8 7 6 5 4 3 2 1



REEL ASSY NO.	PART NO.	CCT SIZE	REELING OPTION	REEL ASSY NO.	PART NO.	CCT SIZE	REELING OPTION
90327- *351	90327- *304	4	A	90327- *375	90327- *316	16	A
↑ *352	↑	↑	B	↑ *376	↑	↑	B
↓ *353	↓	↓	C	↓ *377	↓	↓	C
90327- *354	90327- *304	4	D	90327- *378	90327- *316	16	D
90327- *355	90327- *306	6	A	90327- *379	90327- *318	18	A
↑ *356	↑	↑	B	↑ *380	↑	↑	B
↓ *357	↓	↓	C	↓ *381	↓	↓	C
90327- *358	90327- *306	6	D	90327- *382	90327- *318	18	D
90327- *359	90327- *308	8	A	90327- *383	90327- *320	20	A
↑ *360	↑	↑	B	↑ *384	↑	↑	B
↓ *361	↓	↓	C	↓ *385	↓	↓	C
90327- *362	90327- *308	8	D	90327- *386	90327- *320	20	D
90327- *363	90327- *310	10	A	90327- *387	90327- *326	26	A
↑ *364	↑	↑	B	↑ *388	↑	↑	B
↓ *365	↓	↓	C	↓ *389	↓	↓	C
90327- *366	90327- *310	10	D	90327- *390	90327- *326	26	D
90327- *367	90327- *312	12	A	90327- *391	90327- *322	22	A
↑ *368	↑	↑	B	↑ *392	↑	↑	B
↓ *369	↓	↓	C	↓ *393	↓	↓	C
90327- *370	90327- *312	12	D	90327- *394	90327- *322	22	D
90327- *371	90327- *314	14	A	90327- *395	90327- *324	24	A
↑ *372	↑	↑	B	↑ *396	↑	↑	B
↓ *373	↓	↓	C	↓ *397	↓	↓	C
90327- *374	90327- *314	14	D	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

DESCRIPTION
REV

QUALITY SYMBOLS
▽=0
▽C=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
DRAWN BY DATE
PAD 1991/02/27
CHECKED BY DATE
DMORIARTY 2004/09/15
APPROVED BY DATE
JDENNEHY 2004/09/16
MATERIAL NO.
DOCUMENT NO.
SDA-90327

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

IDT ASSEMBLY
PICOFLEX

MOLEX INCORPORATED

SHEET NO.
2 OF 2

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Rev. D 2004/04/02