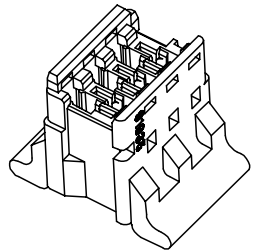
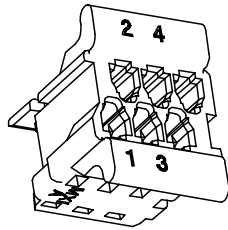


PART NO.	NO. OF CIRCUITS	DIM. A	DIM. B	DIM. C
91935-9004	4	7.54	3.81	6.54
91935-9006	6	10.08	6.35	9.08
91935-9008	8	12.62	8.89	11.62
91935-9010	10	15.16	11.43	14.16
91935-9012	12	17.70	13.97	16.70
91935-9014	14	20.24	16.51	19.24
91935-9016	16	22.78	19.05	21.78
91935-9018	18	25.32	21.59	24.32
91935-9020	20	27.86	24.13	26.86
91935-9022	22	30.40	26.67	29.40
91935-9024	24	32.94	29.21	31.94
91935-9026	26	35.48	31.75	34.48

91935-90\*\*  
 CIRCUIT SIZE  
 04 TO 26 (4 TO 26CKT)



SCALE 3:1

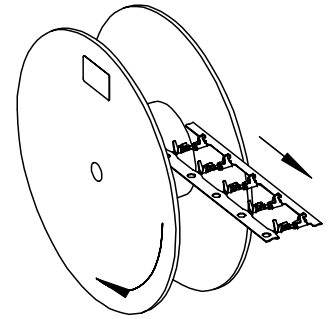
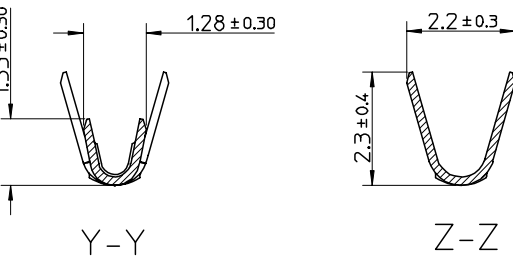
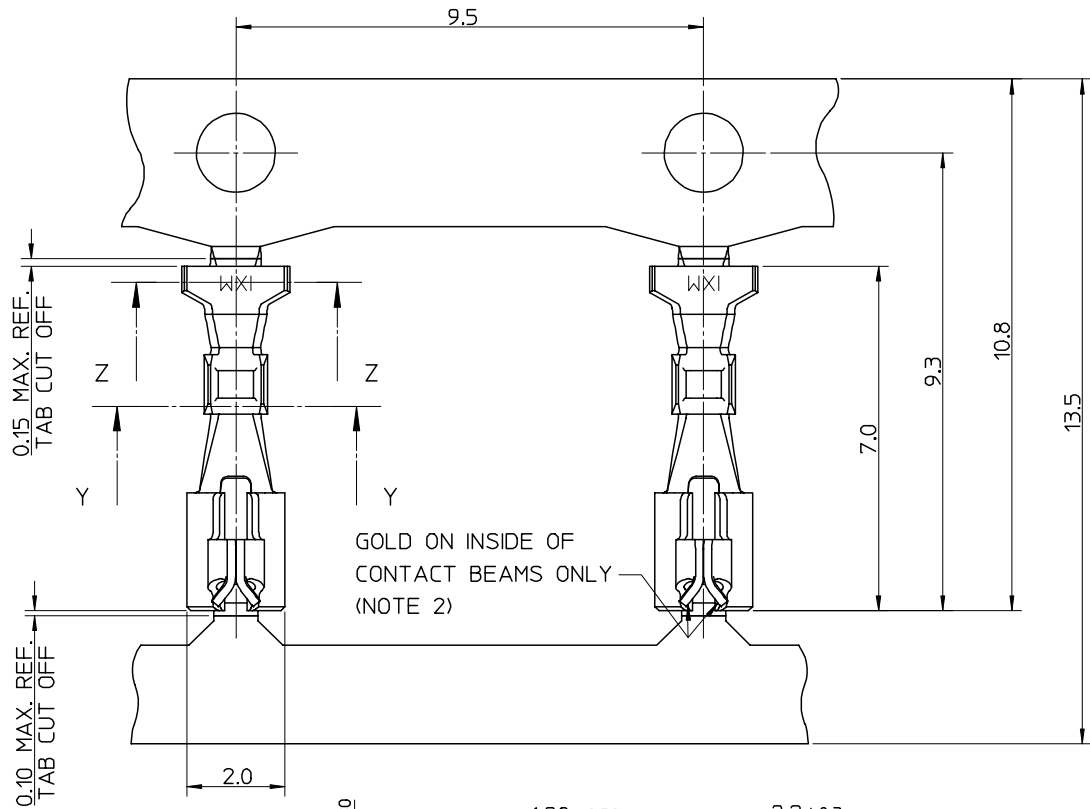
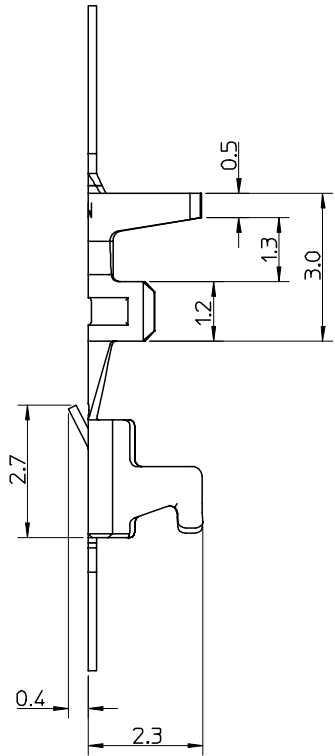


SCALE 3:1

NOTES:

1. MATERIAL: PET 15% G.F., UL94 V-0, COLOUR BEIGE.
2. CONFORMS TO PRODUCT SPECIFICATION PS-99020-0011.
3. CIRCUIT 1 THRU 4 IDENTIFICATION ON ALL CIRCUIT SIZES.
4. PARTS PACKED LOOSE IN BAGS, SEE PACKAGING SPECIFICATION PK-91935-001.
5. ACCEPTS CRIMP TERMINAL SERIES 91821, SEE SD-91821-001.
6. MATES WITH ALL PICOFLEX STANDARD AND BLIND MATE HEADERS.
7. COLOUR VARIATION MAY BE VISIBLE ON THE HOUSING SURFACES.

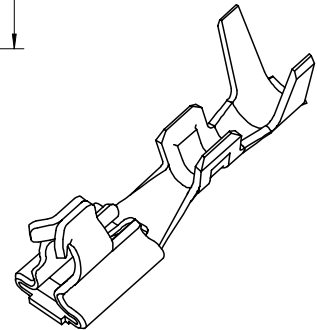
MOD TEXT ENGR POS EC NO: E2006-1109 DRWN: JDENNEHY 2007/04/04 CHKD: JDENNEHY 2007/04/04 APPR: JDENNEHY 2007/04/04	QUALITY SYMBOLS ▽=0 △=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 2 °	DRAWN BY DATE JDENNEHY 2006/02/27 CHECKED BY DATE DWASZKIEWICZ 2006/02/28 APPROVED BY DATE JDENNEHY 2006/02/28	TITLE PICOFLEX DISCRETE WIRE CRIMP HOUSING ROHS COMPLIANT		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	MATERIAL NO.	DOCUMENT NO. SD-91935-001	SHEET NO. 1 OF 1
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



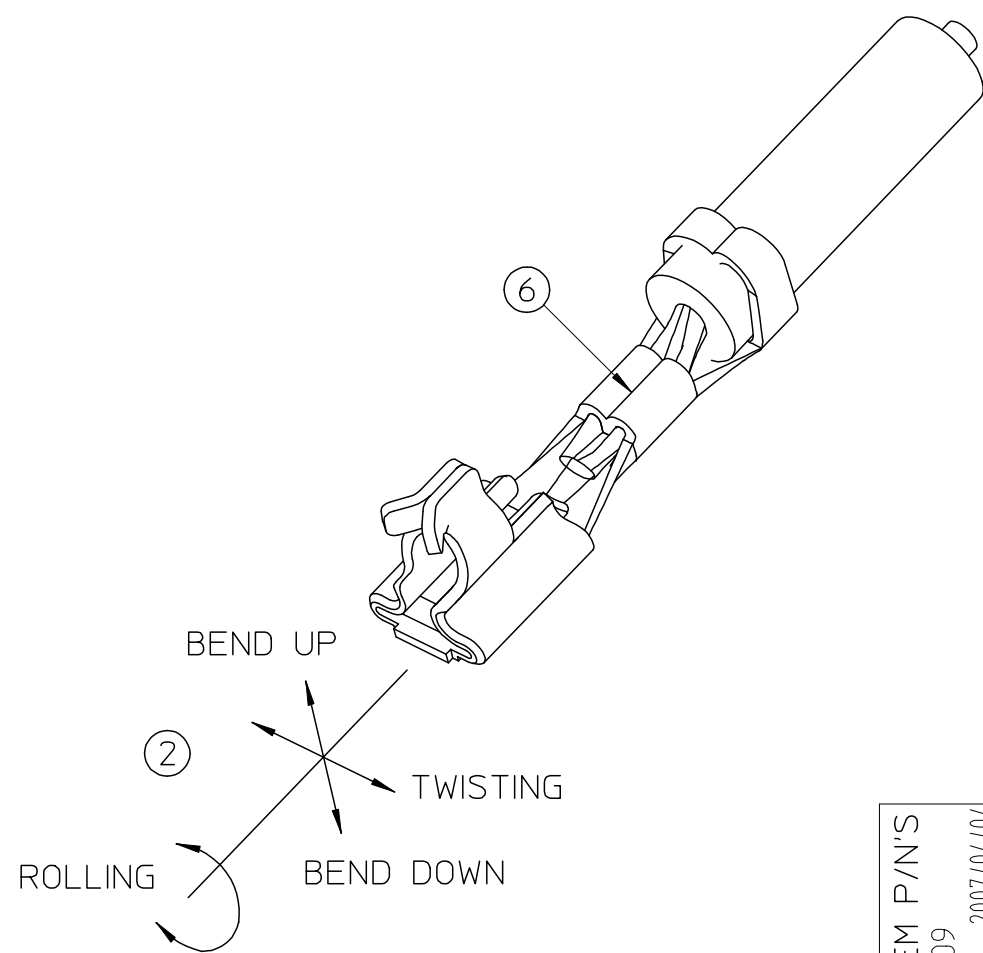
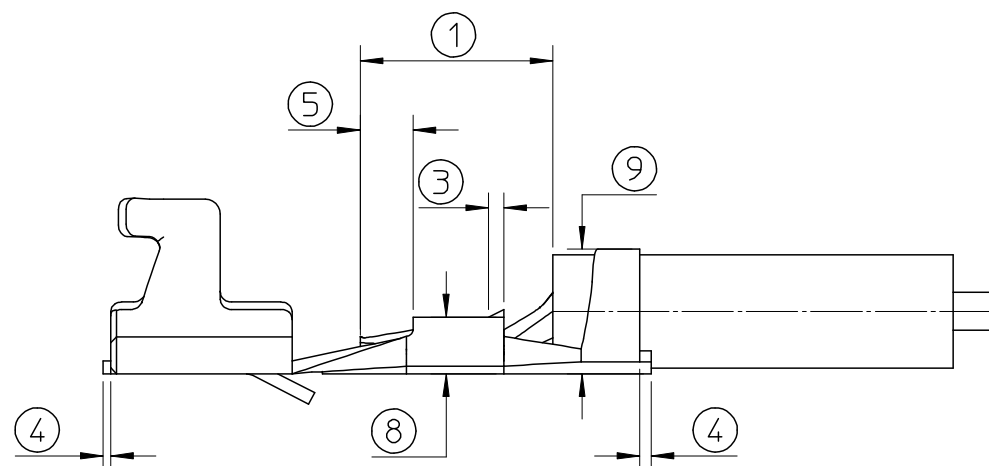
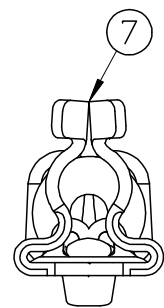
UN-REELING  
DIRECTION

PART NO.	FORM	PLATING (NOTE 2)
91821-0001	REEL	TIN
91821-0003	REEL	GOLD

- NOTES:
- MATERIAL:  
PHOSPHOR BRONZE, THICKNESS 0.17 REF.
  - PLATING:  
TIN: 3µm MIN PURE TIN.  
GOLD: 1.27 MIN NICKEL UNDERCOAT AND 0.76µm MIN GOLD IN CONTACT AREA.
  - CONFORMS TO PRODUCT SPECIFICATION PS-99020-0011.
  - SEE CRIMP SPECIFICATION CS-91821-001.
  - APPLICABLE WIRE 24, 26 AND 28AWG.
  - INSULATION DIAMETER 1.5mm MAX.
  - USE WITH HOUSING SERIES 91935, SEE SD-91935-001.
  - SEE PACKAGING SPECIFICATION PK-91821-001.



REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
REV DSGN/REM P/N'S	EC NO: E2006-1109	▽=0 ∇=0	mm INCH	MM ONLY	10:1	METRIC	THIRD ANGLE PROJECTION
DRWN: JDENNEHY 2007/04/04	CHKD: DWASZKIEWICZ 2007/04/04		4 PLACES ± --- ± ---	DRAWN BY DATE			TITLE
APPR: JDENNEHY 2007/04/04			3 PLACES ± --- ± ---	CHECKED BY DATE			PICOFLEX DISCRETE WIRE CRIMP TERMINAL ROHS COMPLIANT
			2 PLACES ± 0.15 ± ---	APPROVED BY DATE			MOLEX INCORPORATED
			1 PLACE ± 0.25 ± ---	JDENNEHY 2006/02/28			DOCUMENT NO.
			ANGULAR ± 2 °	MATERIAL NO.			SD-91821-001
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART			SHEET NO.
				SIZE A3			1 OF 1
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



SCOPE	PART NUMBERS	WIRE SIZE		INSULATION DIAMETER (mm)
		AWG	SQ.mm	
	91821-0001	28 - 24	0.09 - 0.2	0.9 - 1.5
	91821-0003			

SPECIFICATIONS	ITEM NO.	ITEM DESCRIPTION	REQUIREMENT
	①	INSULATION STRIP LENGTH	2.0mm - 2.5mm
	②	BEND UP	3° MAX.
		BEND DOWN	3° MAX.
		TWISTING	3° MAX.
		ROLLING	8° MAX.
	③	BELL MOUTH (FLARE)	0.2mm - 0.4mm
	④	TAB CUT-OFF LENGTH	0.15mm MAX. ON CRIMP SIDE (NO BURR) 0.10mm MAX. ON CONTACT SIDE (NO BURR)
	⑤	WIRE PROTRUSION	0.2mm - 0.7mm
⑥	SEAM	SEAM SHALL BE CLOSED WITH NO WIRES PROTRUDING	
⑦	CONTACT TIP	NO GAP ALLOWED BETWEEN CONTACTS	

CONDITIONS	WIRE SIZE (AWG)	ITEM NO. ⑧ WIRE CRIMP HEIGHT	ITEM NO. ⑨ INSULATION CRIMP HEIGHT	CRIMP STRENGTH (N)
	24	0.76 - 0.81	1.65 MAX.	30 MIN.
	26	0.69 - 0.74	1.65 MAX.	20 MIN.
	28	0.66 - 0.71	1.65 MAX.	10 MIN.

NOTES:

- 1. SEE SALES DRAWING SD-91821-001.
- 2. CONFORMS TO PRODUCT SPECIFICATION PS-99020-0011.

REV DSGN/REM P/N'S EC NO: E2006-1109 DRWN: JDENNEHY 2007/04/04 CHKD: DWASZKIEWICZ 2007/04/04 APPR: JDENNEHY 2007/04/04	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY	10:1	METRIC		
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE PICOFLEX DISCRETE WIRE CRIMP SPECIFICATION	
		3 PLACES	± ---	± ---	JDENNEHY	2006/03/08		
		2 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED	
1 PLACE	± ---	± ---	DWASZKIEWICZ	2006/03/10				
ANGULAR ± ---°		APPROVED BY		DATE	DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		JDENNEHY		2006/03/10	CS-91821-001		1 OF 1	
		MATERIAL NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		SEE CHART						



# PACKAGING SPECIFICATION

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2.0 PURPOSE.....	2
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5.0 LABELING.....	4

<b>REVISION:</b>	<b>ECR/ECN INFORMATION:</b>	<b>TITLE:</b>	<b>SHEET No.</b>
<b>A</b>	<u>EC No:</u> <b>E2006-0072</b> <u>DATE:</u> <b>08/12/2006</b>	<b>91935 PICOFLEX DISCRETE WIRE CRIMP HOUSING</b>	<b>1 of 4</b>
<b>DOCUMENT NUMBER:</b>		<b>CREATED / REVISED BY:</b>	<b>CHECKED BY:</b>
<b>PK-91935-001</b>		<b>J. Dennehy</b>	<b>D. Waszkiewicz</b>
		<b>APPROVED BY:</b>	
		<b>J. Dennehy</b>	



# PACKAGING SPECIFICATION

## 1.0 SCOPE

This standard specifies the general requirements for the packaging of Picoflex crimp housings, series 91935.

## 2.0 PURPOSE

The purpose of this specification is to assure that all 91935 product shipped from Molex arrives damage free and in a manner that allows ease of handling, storage and distribution.

## 3.0 GENERAL

The shipping weight for a box from Molex should not exceed 15 kgs.  
The recommended carton closure is tape.  
Bubble wrap may be used to fill up excess space in a carton.

REVISION: <b>A</b>	ECR/ECN INFORMATION: EC No: <b>E2006-0072</b> DATE: <b>08/12/2006</b>	TITLE: <b>91935 PICO FLEX DISCRETE WIRE CRIMP HOUSING</b>	SHEET No. <b>2 of 4</b>
DOCUMENT NUMBER: <b>PK-91935-001</b>	CREATED / REVISED BY: <b>J. Dennehy</b>	CHECKED BY: <b>D. Waszkiewicz</b>	APPROVED BY: <b>J. Dennehy</b>



# PACKAGING SPECIFICATION

## 4.0 PACKAGING OF HOUSINGS

The housings are packaged in a polyethylene bag, part no. 9999-0136, and the bag heat-sealed at both ends.

The full bags are placed in a cardboard carton, part no. 96707-0007. The carton is closed with tape.

Partial bag quantities are not allowed. Partial box quantities are allowed to the nearest number of full bags.

See Table 1 for packaging quantities of each circuit size.

See Table 2 for Bill Of Materials.

**TABLE 1**

Housing Part No.	Quantity of Housings per Bag	Quantity of Bags per Box	Quantity of Housings per Box
91935-9004	1,000	12	12,000
91935-9006	750	12	12,000
91935-9008	750	12	9,000
91935-9010	750	12	9,000
91935-9012	750	12	9,000
91935-9014	500	12	6,000
91935-9016	500	12	6,000
91935-9018	250	12	3,000
91935-9020	250	12	3,000
91935-9022	250	12	3,000
91935-9024	250	12	3,000
91935-9026	250	12	3,000

**TABLE 2**

Item	Description	Part Number	Quantity
1	CARTON	96707-0007	1
2	POLYETHYLENE BAG	9999-0136	12
3	HOUSING	91935-90**	See TABLE 1

<b>REVISION:</b> <b>A</b>	<b>ECR/ECN INFORMATION:</b> EC No: <b>E2006-0072</b> DATE: <b>08/12/2006</b>	<b>TITLE:</b> <b>91935 PICO FLEX DISCRETE WIRE CRIMP HOUSING</b>	<b>SHEET No.</b> <b>3 of 4</b>
<b>DOCUMENT NUMBER:</b> <b>PK-91935-001</b>	<b>CREATED / REVISED BY:</b> <b>J. Dennehy</b>	<b>CHECKED BY:</b> <b>D. Waszkiewicz</b>	<b>APPROVED BY:</b> <b>J. Dennehy</b>



# PACKAGING SPECIFICATION

## 5.0 LABELLING

The labels used are standard Molex Ireland labels and measure 127.0 x 76.2 mm, see Fig.1.

Labels are placed on the bags and cartons.

Fig.1



REVISION: <b>A</b>	ECR/ECN INFORMATION: EC No: <b>E2006-0072</b> DATE: <b>08/12/2006</b>	TITLE: <b>91935 PICO FLEX DISCRETE WIRE CRIMP HOUSING</b>	SHEET No. <b>4 of 4</b>
DOCUMENT NUMBER: <b>PK-91935-001</b>	CREATED / REVISED BY: <b>J. Dennehy</b>	CHECKED BY: <b>D. Waszkiewicz</b>	APPROVED BY: <b>J. Dennehy</b>



# PACKAGING SPECIFICATION

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REVISION: <b>A</b>	ECR/ECN INFORMATION: EC No: <b>E2006-0072</b> DATE: <b>08/12/2006</b>	TITLE: <b>91821 PICOFLEX DISCRETE WIRE CRIMP TERMINAL</b>	SHEET No. <b>1 of 5</b>
DOCUMENT NUMBER: <b>PK-91821-001</b>	CREATED / REVISED BY: <b>J. Dennehy</b>	CHECKED BY: <b>D. Waszkiewicz</b>	APPROVED BY: <b>J. Dennehy</b>





# PACKAGING SPECIFICATION

## 1.0 SCOPE

This standard specifies the general requirements for the packaging of Picoflex crimp terminals, series 91821.

## 2.0 PURPOSE

The purpose of this specification is to assure that all 91821 product shipped from Molex arrives damage free and in a manner that allows ease of handling, storage and distribution.

## 3.0 GENERAL

The shipping weight for a box from Molex should not exceed 15 kgs.  
The recommended carton closure is tape.  
Bubble wrap may be used to fill up excess space in a carton.

REVISION: <b>A</b>	ECR/ECN INFORMATION: EC No: <b>E2006-0072</b> DATE: <b>08/12/2006</b>	TITLE: <b>91821 PICO FLEX DISCRETE WIRE CRIMP TERMINAL</b>	SHEET No. <b>2 of 5</b>
DOCUMENT NUMBER: <b>PK-91821-001</b>	CREATED / REVISED BY: <b>J. Dennehy</b>	CHECKED BY: <b>D. Waszkiewicz</b>	APPROVED BY: <b>J. Dennehy</b>



# PACKAGING SPECIFICATION

## 4.0 PACKAGING OF TERMINALS

The terminals are on a dual carrier strip with a pitch of 9.5mm between terminals and are packaged in 17mm wide cardboard reels, part no. 9999-0219.

The terminal layers are separated from each other with 17/AF100 interleaf paper, part no. 9999-4436. See Fig.1.

**No splices are permitted.**

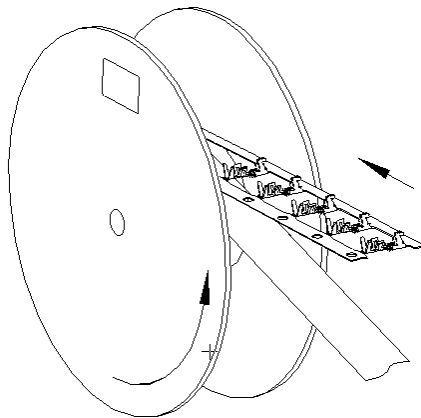
Adhesive tape is used to secure the two flanges of the full reel together.

The full reels are placed in a cardboard carton, part no. 9999-0073, and this is closed with tape. See Fig.2.

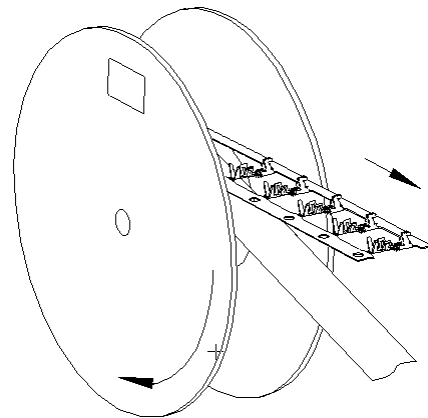
See Table 1 for packaging quantities.

See Table 2 for bill of materials.

Fig.1



Direction of Reeling  
From Die



Direction of Un-Reeling  
To Application Tooling

REVISION: <b>A</b>	ECR/ECN INFORMATION: EC No: <b>E2006-0072</b> DATE: <b>08/12/2006</b>	TITLE: <b>91821 PICO FLEX DISCRETE WIRE CRIMP TERMINAL</b>	SHEET No. <b>3 of 5</b>
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# PACKAGING SPECIFICATION



Fig.2

**TABLE 1**

Terminal Part No.	Quantity of Terminals per Reel	Quantity of Reels per Carton	Quantity of Terminals per Carton
91821-0001	10,000	5	50,000
91821-0003	10,000	5	50,000

**TABLE 2**

Item	Description	Part Number	Quantity
1	CARTON	9999-0073	1
2	REEL	9999-0219	5
3	INTERLEAF PAPER	9999-4436	5
4	TERMINAL	91821-0001/3	50,000

REVISION: <b>A</b>	ECR/ECN INFORMATION: EC No: E2006-0072 DATE: 08/12/2006	TITLE: <b>91821 PICO FLEX DISCRETE WIRE CRIMP TERMINAL</b>	SHEET No. <b>4 of 5</b>
DOCUMENT NUMBER: <b>PK-91821-001</b>	CREATED / REVISED BY: <b>J. Dennehy</b>	CHECKED BY: <b>D. Waszkiewicz</b>	APPROVED BY: <b>J. Dennehy</b>



# PACKAGING SPECIFICATION

## 5.0 LABELLING

The labels used are standard Molex Ireland labels and measure 127.0 x 76.2 mm, see Fig.4.

Labels are placed on the reels and cartons.

Fig.4



REVISION: <b>A</b>	ECR/ECN INFORMATION: EC No: <b>E2006-0072</b> DATE: <b>08/12/2006</b>	TITLE: <b>91821 PICO FLEX DISCRETE WIRE CRIMP TERMINAL</b>	SHEET No. <b>5 of 5</b>
DOCUMENT NUMBER: <b>PK-91821-001</b>	CREATED / REVISED BY: <b>J. Dennehy</b>	CHECKED BY: <b>D. Waszkiewicz</b>	APPROVED BY: <b>J. Dennehy</b>