

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0781271408

Status:

Active

Overview:

ffc_fpc_smt

Description:

0.50mm (.020") Pitch FFC/FPC Connector, SMT, Non ZIF, Vertical, Reverse, Gold Plating, 40 Circuits, Lead Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-78119-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

FFC/FPC Connectors

Series

78127

Overview

ffc_fpc_smt

Product Name

N/A

Physical

Circuits (Loaded)

40

Circuits (maximum)

40

Color - Resin

Natural

Contact Position

N/A

Durability (mating cycles max)

20

Entry Angle

Vertical

Flammability

94V-0

Mated Height (in)

0.161 In

Mated Height (mm)

4.10 mm

Material - Metal

Copper Alloy

Material - Plating Mating

Gold, Nickel

Number of Rows

1

Orientation

Vertical

PCB Locator

No

PCB Retention

None

Packaging Type

Embossed Tape on Reel

Pitch - Mating Interface (in)

0.020 In

Pitch - Mating Interface (mm)

0.50 mm

Pitch - Term. Interface (in)

0.020 In

Pitch - Term. Interface (mm)

0.50 mm

Polarized to PCB

No

Stackable

No

Temperature Range - Operating

-40°C to +85°C

Termination Interface: Style

Surface Mount

Wire/Cable Type

FFC/FPC

Electrical

Current - Maximum per Contact

0.5A

Voltage - Maximum

50V AC

Material Info

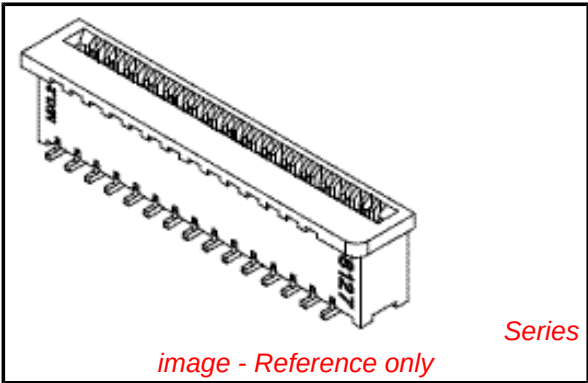
Reference - Drawing Numbers

Product Specification

PS-78119-001

Sales Drawing

SD-78127-001



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

78127Series

Mates With

Standard FFC/FPC Cables

This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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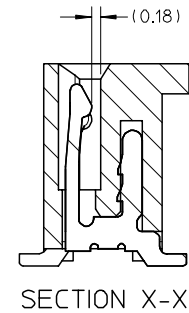
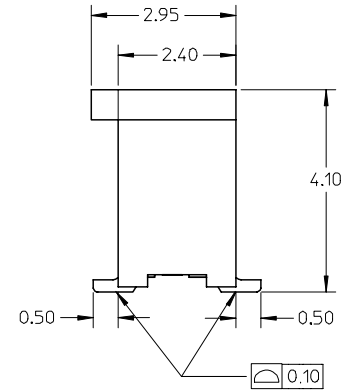
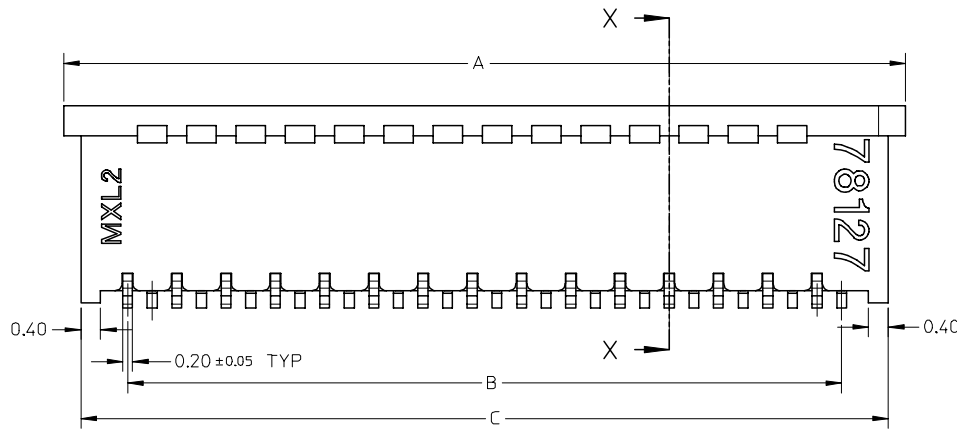
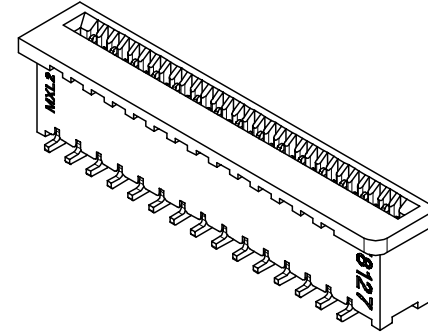
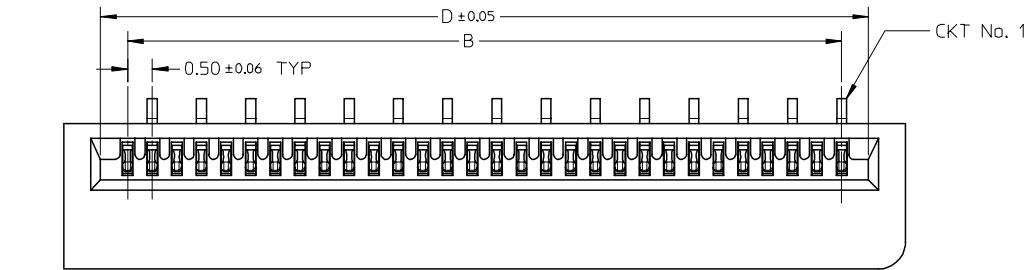
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C

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NOTE:

1. MATERIAL:

HOUSING: PA46 GLASS FILLED, UL94V-0, COLOR: NATURAL
TERMINAL: COPPER ALLOY

2. PLATING:

- 1) 0.10 μ m MIN. GOLD PLATING OVER NICKEL PLATING OVERALL
- 2) 1-3 μ m TIN-BISMUTH PLATING OVER NICKEL PLATING OVERALL

3. PRODUCT SPECIFICATION: PS-78119-001

4. PRODUCT ARE PACKED IN TAPE & REEL.

REVISED	EC NO: S2007-0721	2007/03/05	2007/03/05
DRWN: BOKOK	CHKD: CGOH	2007/03/05	2007/03/05
APPR: KCLING			
A1			

QUALITY SYMBOLS
$\nabla=0$
$\nabla=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.15
3 PLACES	± 0.15
2 PLACES	± 0.15
1 PLACE	± 0.15
ANGULAR $\pm 3^\circ$	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
YLG1A0	2006/05/05
CHECKED BY	DATE
BOKOK	2006/06/06
APPROVED BY	DATE
PTL IM	2006/06/06
MATERIAL NO.	
SIZE	
A3	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	
0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-78127-001		1 OF 7

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7

6

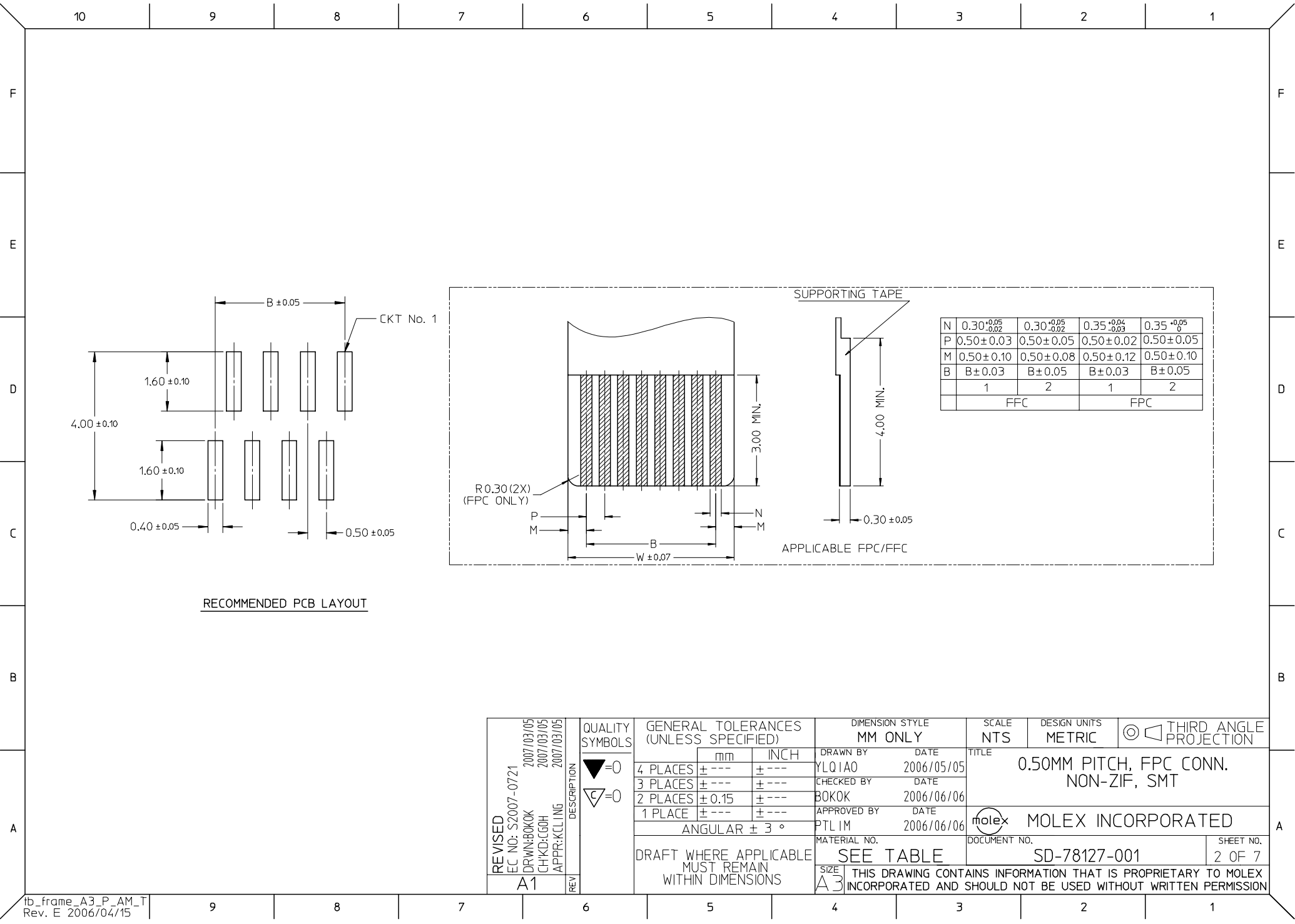
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1



REVISED EC NO: S2007-0721 DRWN:BOKOK CHKD:CGOH APPR:KCLING	DESCRIPTION 2007/03/05 2007/03/05 2007/03/05	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY YLQIAO	DATE 2006/05/05	0.50MM PITCH, FPC CONN. NON-ZIF, SMT					
			4 PLACES	± ---	± ---	CHECKED BY BOKOK	DATE 2006/06/06						
			3 PLACES	± ---	± ---	APPROVED BY PTL IM	DATE 2006/06/06						
A1	REV		2 PLACES ± 0.15		± ---		MOLEX MOLEX INCORPORATED						
			1 PLACE ± ---		± ---								
			ANGULAR ± 3 °		PTL IM		2006/06/06						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-78127-001		SHEET NO. 2 OF 7				
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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F	GOLD PLATING TERMINAL ASSEMBLY PART NUMBERS										F																																																																																																																																																														
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A	<table><tr><td rowspan="4">REVISED</td><td>EC NO: S2007-0721</td><td>2007/03/05</td><td rowspan="4">DESCRIPTION</td><td rowspan="4">QUALITY SYMBOLS</td><td colspan="2" rowspan="4">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2" rowspan="4">DIMENSION STYLE MM ONLY</td><td>SCALE</td><td>DESIGN UNITS</td><td rowspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td>DRWN:BOKOK</td><td>2007/03/05</td><td>NTS</td><td>METRIC</td></tr><tr><td>CHKD:CGOH</td><td>2007/03/05</td><td colspan="2">TITLE</td><td rowspan="2">0.50MM PITCH, FPC CONN. NON-ZIF, SMT</td></tr><tr><td>APPR:KCLING</td><td>2007/03/05</td><td colspan="3">DRAWN BY</td></tr><tr><td rowspan="4">A1</td><td rowspan="4">REV</td><td rowspan="4">SIZE</td><td rowspan="4">A3</td><td rowspan="4">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td rowspan="4">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td rowspan="4">SEE TABLE</td><td rowspan="4">MATERIAL NO.</td><td rowspan="4">PTL IM</td><td rowspan="4">DATE</td><td rowspan="4">2006/06/06</td><td rowspan="4">DOCUMENT NO.</td><td rowspan="4">SHEET NO. 3 OF 7</td></tr><tr></tr><tr></tr><tr></tr></table>										REVISED	EC NO: S2007-0721	2007/03/05	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	DRWN:BOKOK	2007/03/05	NTS	METRIC	CHKD:CGOH	2007/03/05	TITLE		0.50MM PITCH, FPC CONN. NON-ZIF, SMT	APPR:KCLING	2007/03/05	DRAWN BY			A1	REV	SIZE	A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	MATERIAL NO.	PTL IM	DATE	2006/06/06	DOCUMENT NO.	SHEET NO. 3 OF 7	A																																																																																																																							
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	DRWN:BOKOK	2007/03/05							NTS	METRIC																																																																																																																																																															
	CHKD:CGOH	2007/03/05							TITLE			0.50MM PITCH, FPC CONN. NON-ZIF, SMT																																																																																																																																																													
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A1	REV	SIZE	A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	MATERIAL NO.	PTL IM	DATE	2006/06/06	DOCUMENT NO.	SHEET NO. 3 OF 7																																																																																																																																																													

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Rev. E 2006/04/15

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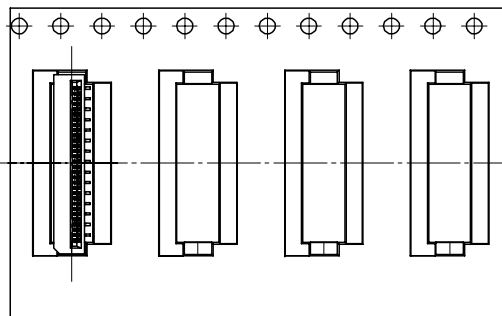
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78127-0069	6	5.10	2.50	4.40	3.60	2
78127-0079	7	5.60	3.00	4.90	4.10	
78127-0089	8	6.10	3.50	5.40	4.60	
78127-0099	9	6.60	4.00	5.90	5.10	
78127-0109	10	7.10	4.50	6.40	5.60	
78127-0119	11	7.60	5.00	6.90	6.10	
78127-0129	12	8.10	5.50	7.40	6.60	
78127-0139	13	8.60	6.00	7.90	7.10	
78127-0149	14	9.10	6.50	8.40	7.60	
78127-0159	15	9.60	7.00	8.90	8.10	
78127-0169	16	10.10	7.50	9.40	8.60	
78127-0179	17	10.60	8.00	9.90	9.10	
78127-0189	18	11.10	8.50	10.40	9.60	
78127-0199	19	11.60	9.00	10.90	10.10	
78127-0209	20	12.10	9.50	11.40	10.60	
78127-0219	21	12.60	10.00	11.90	11.10	
78127-0229	22	13.10	10.50	12.40	11.60	
78127-0239	23	13.60	11.00	12.90	12.10	
78127-0249	24	14.10	11.50	13.40	12.60	
78127-0259	25	14.60	12.00	13.90	13.10	
78127-0269	26	15.10	12.50	14.40	13.60	
78127-0279	27	15.60	13.00	14.90	14.10	
78127-0289	28	16.10	13.50	15.40	14.60	
78127-0299	29	16.60	14.00	15.90	15.10	
78127-0309	30	17.10	14.50	16.40	15.60	

ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78127-0319	31	17.60	15.00	16.90	16.10	2
78127-0329	32	18.10	15.50	17.40	16.60	
78127-0339	33	18.60	16.00	17.90	17.10	
78127-0349	34	19.10	16.50	18.40	17.60	
78127-0359	35	19.60	17.00	18.90	18.10	
78127-0369	36	20.10	17.50	19.40	18.60	
78127-0379	37	20.60	18.00	19.90	19.10	
78127-0389	38	21.10	18.50	20.40	19.60	
78127-0399	39	21.60	19.00	20.90	20.10	
78127-0409	40	22.10	19.50	21.40	20.60	
78127-0419	41	22.60	20.00	21.90	21.10	
78127-0429	42	23.10	20.50	22.40	21.60	

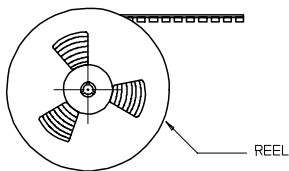
REVISED EC NO: S2007-0721 DRAWN:BOKOK CHKD:GGH APPR:KCLING A1	2007/03/05	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	2007/03/05								TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT			
	2007/03/05											
									</			

EMBOSSED TYPE A

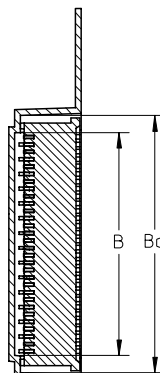
EMBOSSED TYPE B



CUSTOMER
PULL OUT DIRECTION

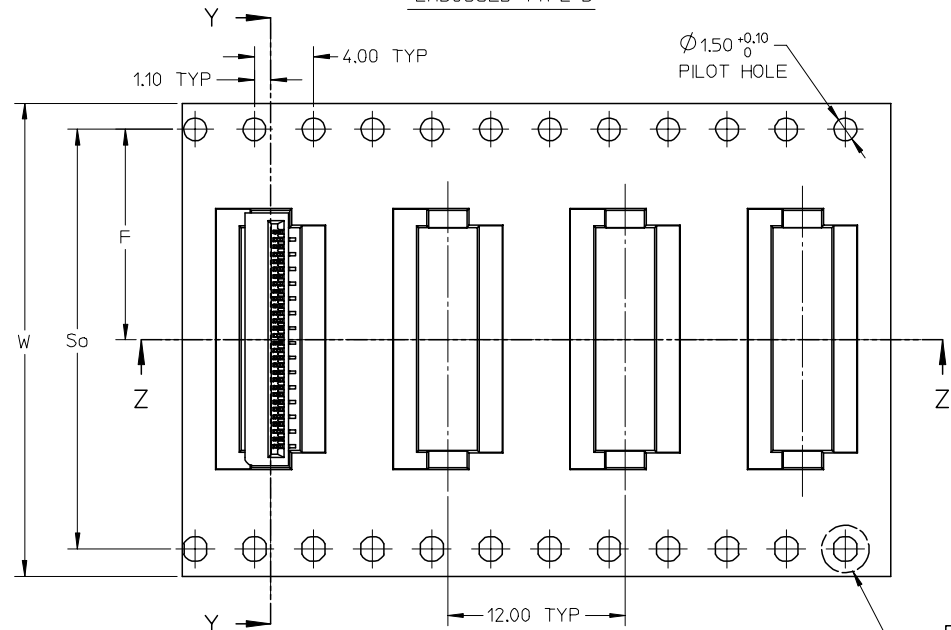


REEL

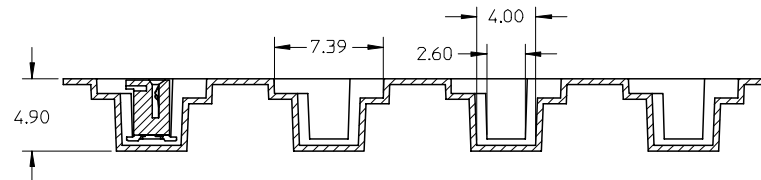


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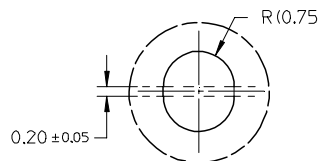
SECTION Y-Y



DETAIL 1



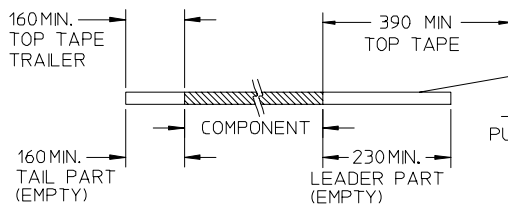
SECTION Z-Z



DETAIL 1

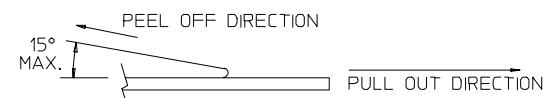
NOTES:

1. LEADER AND TRAILER TAPE



PULL OUT DIRECTION

2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. PACKAGING STANDARD IS AS PER EIA-481.

4. TAPE & REEL QUANTITY = 1000 PCS/REEL

REVISED	EC NO: S2007-0721	2007/03/05	2007/03/05	2007/03/05
DRWN: BOKOK	CHKD: CGOH	APPR: KCLING		
A1				

QUALITY SYMBOLS	DESCRIPTION
▽=0	
▽=0	

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	MM	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
YLQ1A0	2006/05/05
CHECKED BY	DATE
BOKOK	2006/06/06
APPROVED BY	DATE
PTL IM	2006/06/06
MATERIAL NO.	
SEE TABLE	
SIZE	A3

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	
TITLE		
0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-78127-001		5 OF 7

	10	9	8	7	6	5	4	3	2	1										
F	GOLD PLATING TERMINAL ASSEMBLY PART NUMBERS										F									
E	ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE	ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE	E	
	78127-1068	78127-0068	6	24.00	-	11.50	5.40	3.10	A	78127-1318	78127-0318	31	32.00	28.40	14.20	17.90	15.60	B		
	78127-1078	78127-0078	7	24.00	-	11.50	5.90	3.60		78127-1328	78127-0328	32	32.00	28.40	14.20	18.40	16.10			
	78127-1088	78127-0088	8	24.00	-	11.50	6.40	4.10		78127-1338	78127-0338	33	32.00	28.40	14.20	18.90	16.60			
	78127-1098	78127-0098	9	24.00	-	11.50	6.90	4.60		78127-1348	78127-0348	34	32.00	28.40	14.20	19.40	17.10			
	78127-1108	78127-0108	10	24.00	-	11.50	7.40	5.10		78127-1358	78127-0358	35	32.00	28.40	14.20	19.90	17.60			
	78127-1118	78127-0118	11	24.00	-	11.50	7.90	5.60		78127-1368	78127-0368	36	32.00	28.40	14.20	20.40	18.10			
	78127-1128	78127-0128	12	24.00	-	11.50	8.40	6.10		78127-1378	78127-0378	37	32.00	28.40	14.20	20.90	18.60			
	78127-1138	78127-0138	13	24.00	-	11.50	8.90	6.60		78127-1388	78127-0388	38	32.00	28.40	14.20	21.40	19.10			
	78127-1148	78127-0148	14	24.00	-	11.50	9.40	7.10		78127-1398	78127-0398	39	44.00	40.40	20.20	21.90	19.60			
78127-1158	78127-0158	15	24.00	-	11.50	9.90	7.60	78127-1408		78127-0408	40	44.00	40.40	20.20	22.40	20.10				
D	78127-1168	78127-0168	16	24.00	-	11.50	10.40	8.10	B	78127-1418	78127-0418	41	44.00	40.40	20.20	22.90	20.60	D		
	78127-1178	78127-0178	17	24.00	-	11.50	10.90	8.60		78127-1428	78127-0428	42	44.00	40.40	20.20	23.40	21.10			
	78127-1188	78127-0188	18	24.00	-	11.50	11.40	9.10												
	78127-1198	78127-0198	19	24.00	-	11.50	11.90	9.60												
	78127-1208	78127-0208	20	24.00	-	11.50	12.40	10.10												
C	78127-1218	78127-0218	21	32.00	28.40	14.20	12.90	10.60	B											
	78127-1228	78127-0228	22	32.00	28.40	14.20	13.40	11.10												
	78127-1238	78127-0238	23	32.00	28.40	14.20	13.90	11.60												
	78127-1248	78127-0248	24	32.00	28.40	14.20	14.40	12.10												
	78127-1258	78127-0258	25	32.00	28.40	14.20	14.90	12.60												
	78127-1268	78127-0268	26	32.00	28.40	14.20	15.40	13.10												
	78127-1278	78127-0278	27	32.00	28.40	14.20	15.90	13.60												
	78127-1288	78127-0288	28	32.00	28.40	14.20	16.40	14.10												
	78127-1298	78127-0298	29	32.00	28.40	14.20	16.90	14.60												
	78127-1308	78127-0308	30	32.00	28.40	14.20	17.40	15.10												
B																			B	
A																			A	

	10	9	8	7	6	5	4	3	2	1											
F	TIN-BISMUTH PLATING TERMINAL ASSEMBLY PART NUMBERS										F										
E	ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE	ASSY P/N PACKED IN T&R	ASSY P/N W/O PACKAGING	CKT	W	So	F	Bo	B	EMBOSSED TYPE			
	78127-1069	78127-0069	6	24.00	-	11.50	5.40	3.10	A	78127-1319	78127-0319	31	32.00	28.40	14.20	17.90	15.60	B			
	78127-1079	78127-0079	7	24.00	-	11.50	5.90	3.60		78127-1329	78127-0329	32	32.00	28.40	14.20	18.40	16.10				
	78127-1089	78127-0089	8	24.00	-	11.50	6.40	4.10		78127-1339	78127-0339	33	32.00	28.40	14.20	18.90	16.60				
	78127-1099	78127-0099	9	24.00	-	11.50	6.90	4.60		78127-1349	78127-0349	34	32.00	28.40	14.20	19.40	17.10				
	78127-1109	78127-0109	10	24.00	-	11.50	7.40	5.10		78127-1359	78127-0359	35	32.00	28.40	14.20	19.90	17.60				
	78127-1119	78127-0119	11	24.00	-	11.50	7.90	5.60		78127-1369	78127-0369	36	32.00	28.40	14.20	20.40	18.10				
	78127-1129	78127-0129	12	24.00	-	11.50	8.40	6.10		78127-1379	78127-0379	37	32.00	28.40	14.20	20.90	18.60				
	78127-1139	78127-0139	13	24.00	-	11.50	8.90	6.60		78127-1389	78127-0389	38	32.00	28.40	14.20	21.40	19.10				
	78127-1149	78127-0149	14	24.00	-	11.50	9.40	7.10		78127-1399	78127-0399	39	44.00	40.40	20.20	21.90	19.60				
78127-1159	78127-0159	15	24.00	-	11.50	9.90	7.60	78127-1409		78127-0409	40	44.00	40.40	20.20	22.40	20.10					
D	78127-1169	78127-0169	16	24.00	-	11.50	10.40	8.10	B	78127-1419	78127-0419	41	44.00	40.40	20.20	22.90	20.60	D			
	78127-1179	78127-0179	17	24.00	-	11.50	10.90	8.60		78127-1429	78127-0429	42	44.00	40.40	20.20	23.40	21.10				
	78127-1189	78127-0189	18	24.00	-	11.50	11.40	9.10													
	78127-1199	78127-0199	19	24.00	-	11.50	11.90	9.60													
C	78127-1209	78127-0209	20	24.00	-	11.50	12.40	10.10		B							C				
	78127-1219	78127-0219	21	32.00	28.40	14.20	12.90	10.60													
	78127-1229	78127-0229	22	32.00	28.40	14.20	13.40	11.10													
	78127-1239	78127-0239	23	32.00	28.40	14.20	13.90	11.60													
	78127-1249	78127-0249	24	32.00	28.40	14.20	14.40	12.10													
	78127-1259	78127-0259	25	32.00	28.40	14.20	14.90	12.60													
	78127-1269	78127-0269	26	32.00	28.40	14.20	15.40	13.10													
	78127-1279	78127-0279	27	32.00	28.40	14.20	15.90	13.60													
	78127-1289	78127-0289	28	32.00	28.40	14.20	16.40	14.10													
	78127-1299	78127-0299	29	32.00	28.40	14.20	16.90	14.60													
B	78127-1309	78127-0309	30	32.00	28.40	14.20	17.40	15.10		B							B				
A																					A

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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Email: org@lifeelectronics.ru

www.lifeelectronics.ru