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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](#) [Product Specification PS-78119-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [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

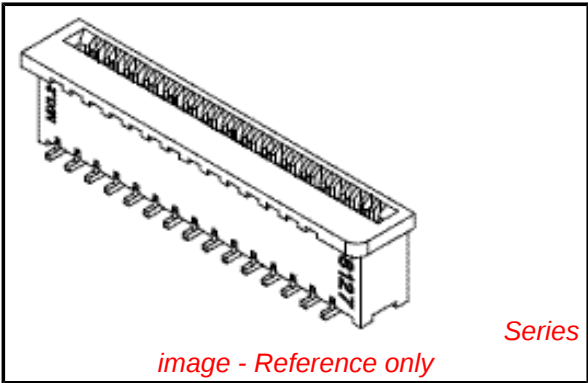
Electrical

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

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10 9 8 7 6 5 4 3 2 1

F

E

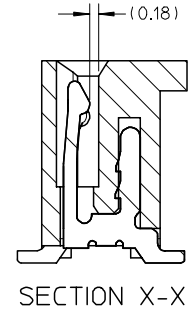
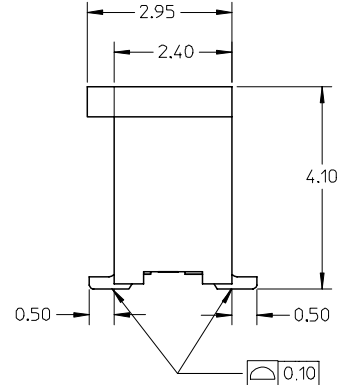
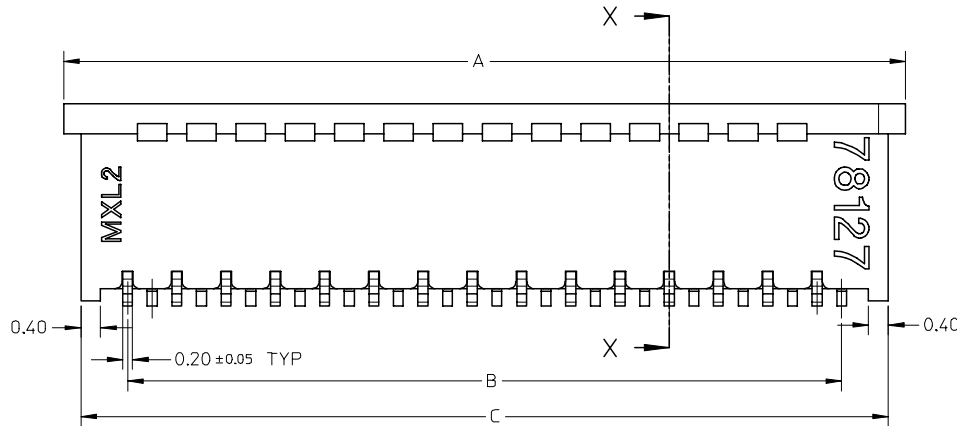
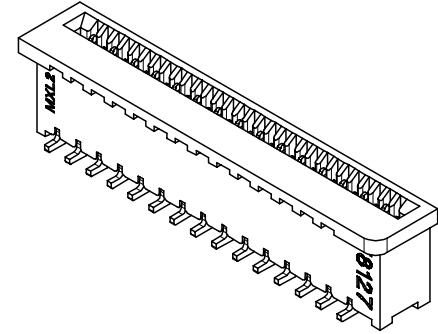
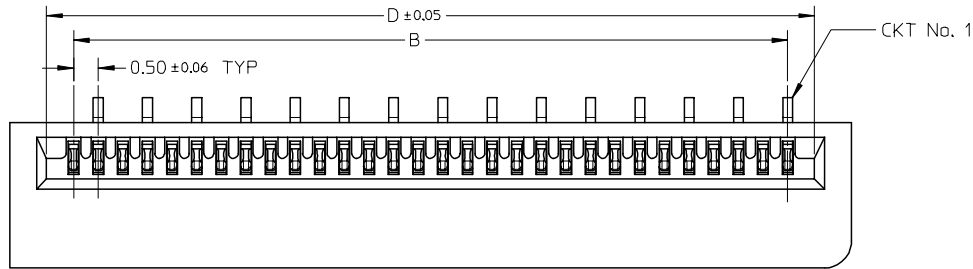
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C

B

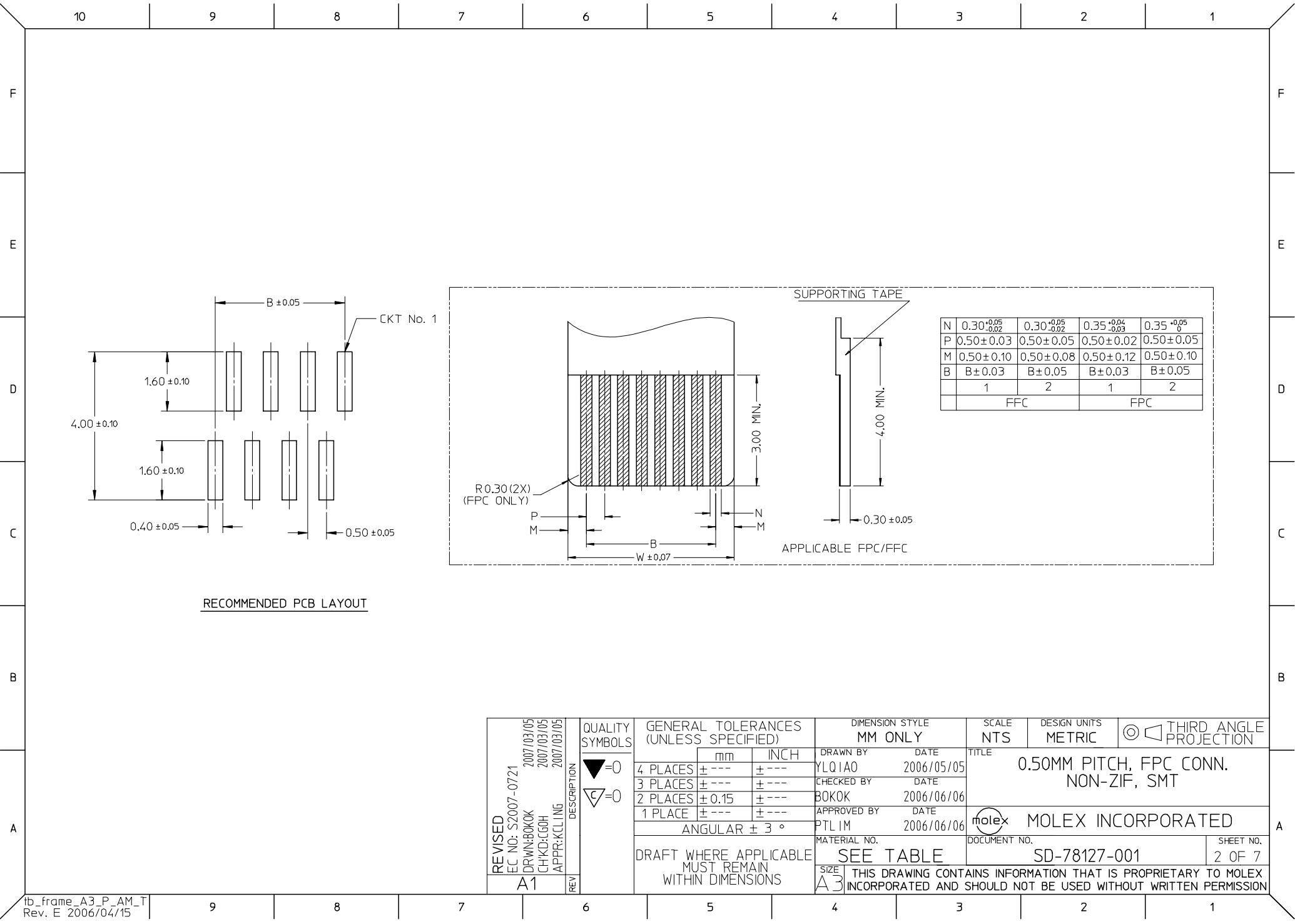
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ib_frame_A3_P_AM_T
Rev. E 2006/04/15

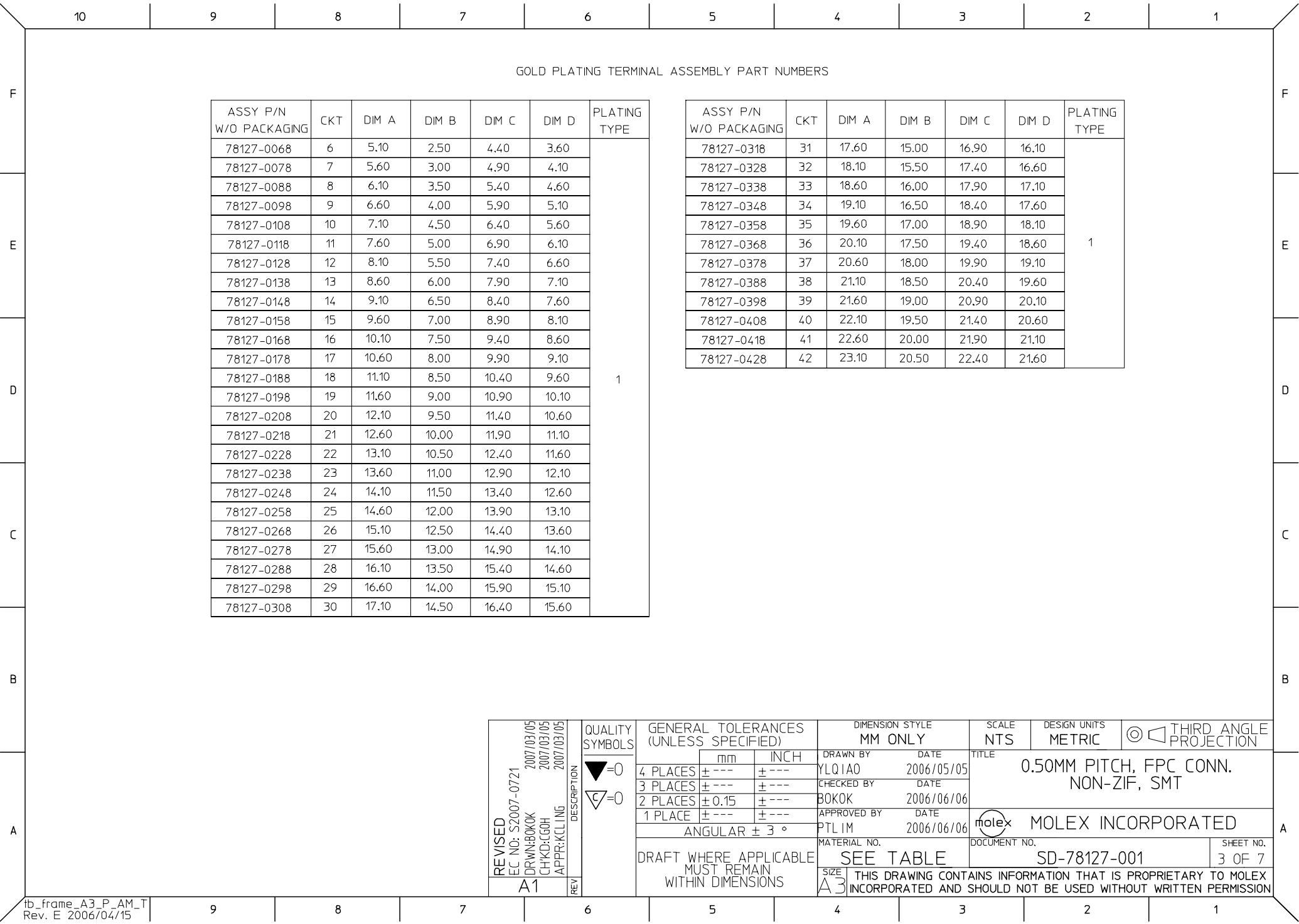


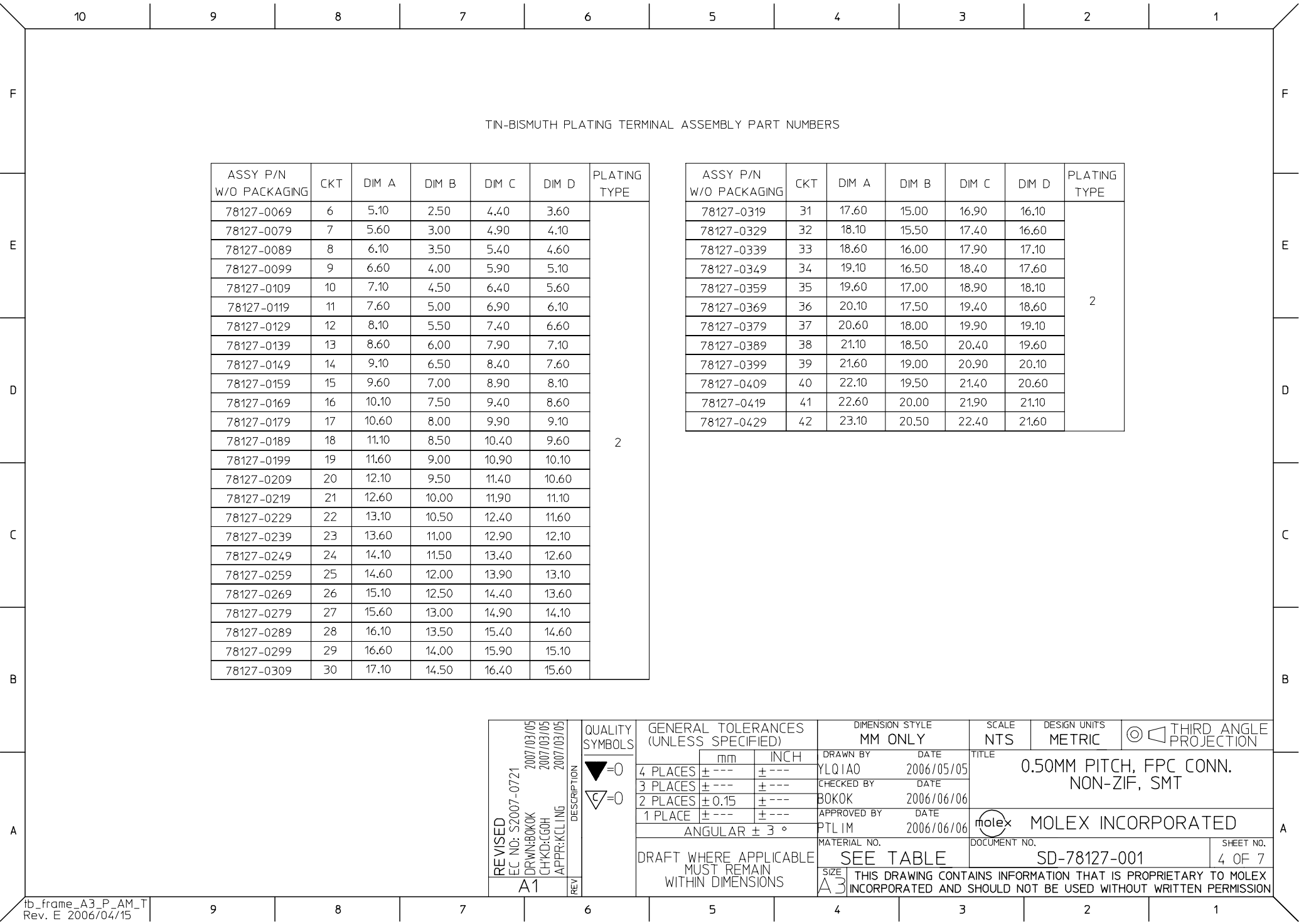
NOTE:
1. MATERIAL:
HOUSING: PA46 GLASS FILLED, UL94V-0, COLOR: NATURAL
TERMINAL: COPPER ALLOY
2. PLATING:
1) 0.10 μ m MIN. GOLD PLATING OVER NICKEL PLATING OVERALL
2) 1-3 μ m TIN-BISMUTH PLATING OVER NICKEL PLATING OVERALL
3. PRODUCT SPECIFICATION: PS-78119-001
4. PRODUCT ARE PACKED IN TAPE & REEL.

REVISED EC NO: S2007-0721 DRWN:BOKOK CHKD:CGH APPR:KCLING A1	2007/03/05 2007/03/05 2007/03/05	DESCRIPTION REV	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	TITLE 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				
				2 PLACES	± 0.15	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-78127-001		SHEET NO. 1 OF 7	
				1 PLACE	± ---	± ---						
				ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



REVISED EC NO: S2007-0721 DRWN:BOKOK CHKD:CGOH APPR:KCLING A1	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	TITLE 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	MOLEX MOLEX INCORPORATED					
			2 PLACES	± 0.15	± ---	MATERIAL NO. SEE TABLE						DOCUMENT NO. SD-78127-001	
		1 PLACE		± ---	± ---	ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	





TIN-BISMUTH PLATING TERMINAL ASSEMBLY PART NUMBERS

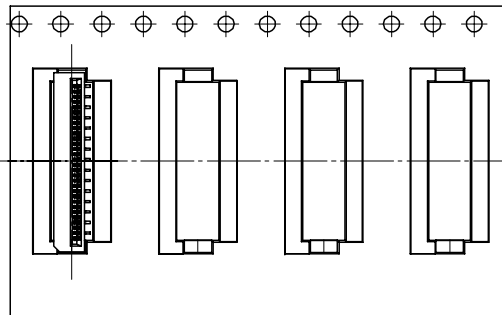
ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78127-0069	6	5.10	2.50	4.40	3.60	2
78127-0079	7	5.60	3.00	4.90	4.10	
78127-0089	8	6.10	3.50	5.40	4.60	
78127-0099	9	6.60	4.00	5.90	5.10	
78127-0109	10	7.10	4.50	6.40	5.60	
78127-0119	11	7.60	5.00	6.90	6.10	
78127-0129	12	8.10	5.50	7.40	6.60	
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	

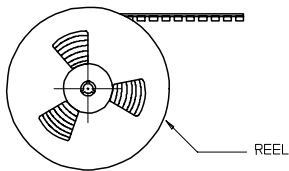
REVISED EC NO: S2007-0721 DRWN: BOKOK CHKD: CGOH APPR: KCLING A1	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± ---	± ---	mm	INCH	DRAWN BY YLQIAO	DATE 2006/05/05	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
		3 PLACES ± ---	± ---	mm	INCH	CHECKED BY BOKOK	DATE 2006/06/06			
		2 PLACES ± 0.15	± ---	mm	INCH	APPROVED BY PTL IM	DATE 2006/06/06	MOLEX INCORPORATED		
1 PLACE ± ---		± ---	mm	INCH	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
ANGULAR ± 3 °				SEE TABLE		SD-78127-001		4 OF 7		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

EMBOSSED TYPE A

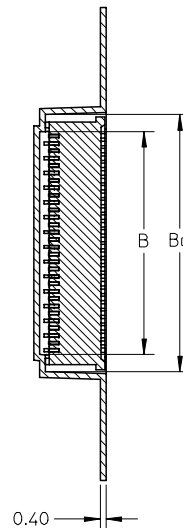
EMBOSSED TYPE B



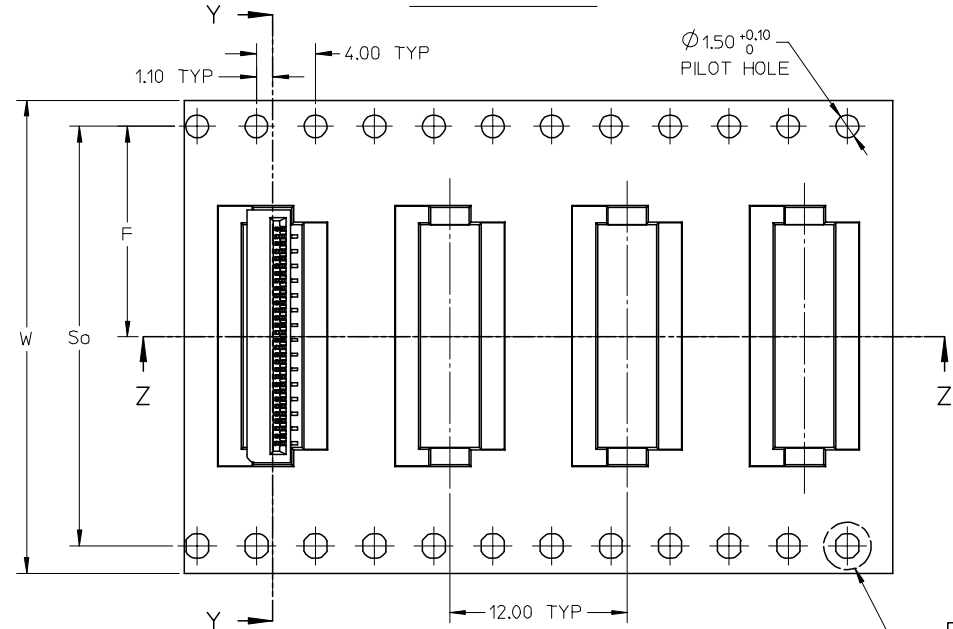
CUSTOMER
PULL OUT DIRECTION



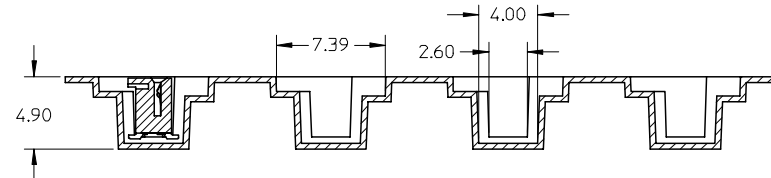
REEL



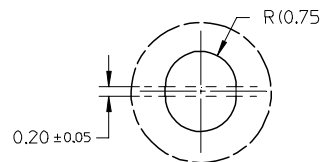
SECTION Y-Y



DETAIL 1



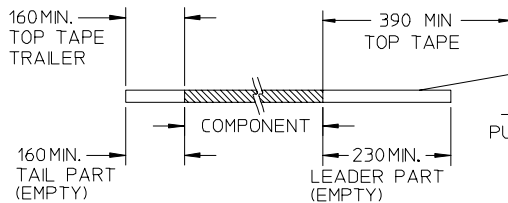
SECTION Z-Z



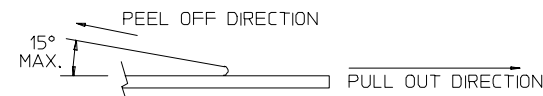
DETAIL 1

NOTES:

1. LEADER AND TRAILER TAPE



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
YLQIAO	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
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

	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												
	78127-1218	78127-0218	21	32.00	28.40	14.20	12.90	10.60												
	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												
C	78127-1268	78127-0268	26	32.00	28.40	14.20	15.40	13.10	B											
	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																				

	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	B		
	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				
	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													
	78127-1209	78127-0209	20	24.00	-	11.50	12.40	10.10													
C	78127-1219	78127-0219	21	32.00	28.40	14.20	12.90	10.60		B								C			
	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													
	78127-1309	78127-0309	30	32.00	28.40	14.20	17.40	15.10													
B											B										
A																					A

REVISED
EC NO: S2007-0721
DRWN:BOKOK
CHKD:CGH
APPR:KCLING
A1

2007/03/05
2007/03/05
2007/03/05

QUALITY
SYMBOLS
▽=0
▽C=0

DESCRIPTION
REV

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
YLQIAO 2006/05/05
CHECKED BY DATE
BOKOK 2006/06/06
APPROVED BY DATE
PTL IM 2006/06/06
MATERIAL NO.
SEE TABLE

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

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Данный компонент на территории Российской Федерации

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Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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