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Part Number: [0781191378](#)
Status: **Active**
Overview: [ffc_fpc_smt](#)
Description: 0.50mm (.020") Pitch FFC/FPC Connector, SMT, Non ZIF, Vertical, Gold Plating, 37 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	78119
Overview	ffc_fpc_smt
Product Name	N/A

Physical

Circuits (Loaded)	37
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

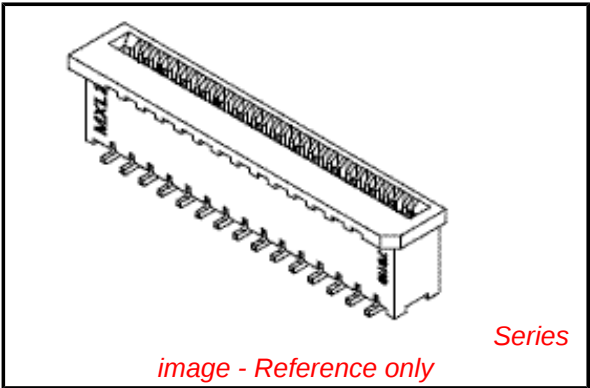
Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V AC

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-78119-001
Product Specification	PS-78119-001
Sales Drawing	SD-78119-001



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

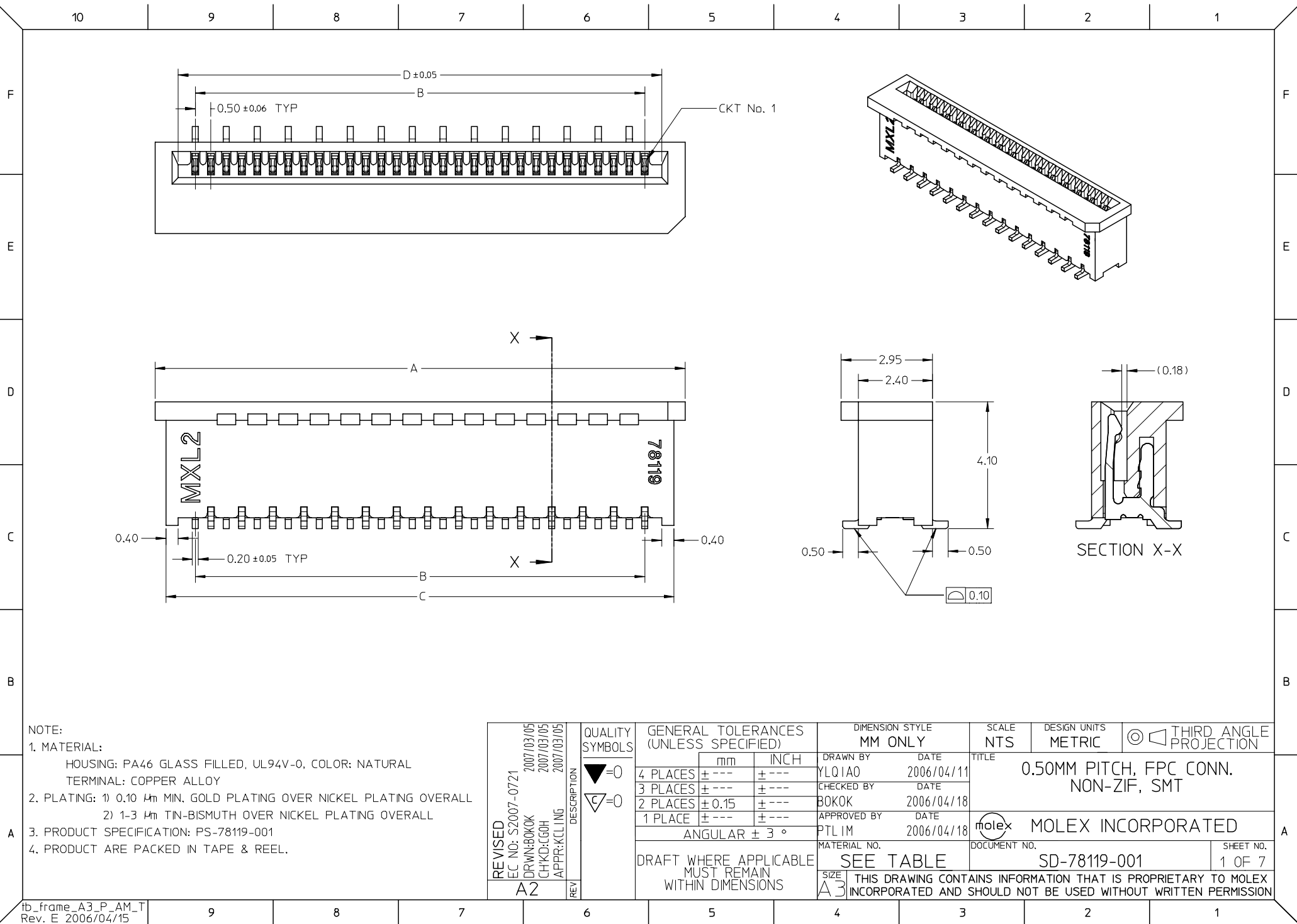
[78119Series](#)

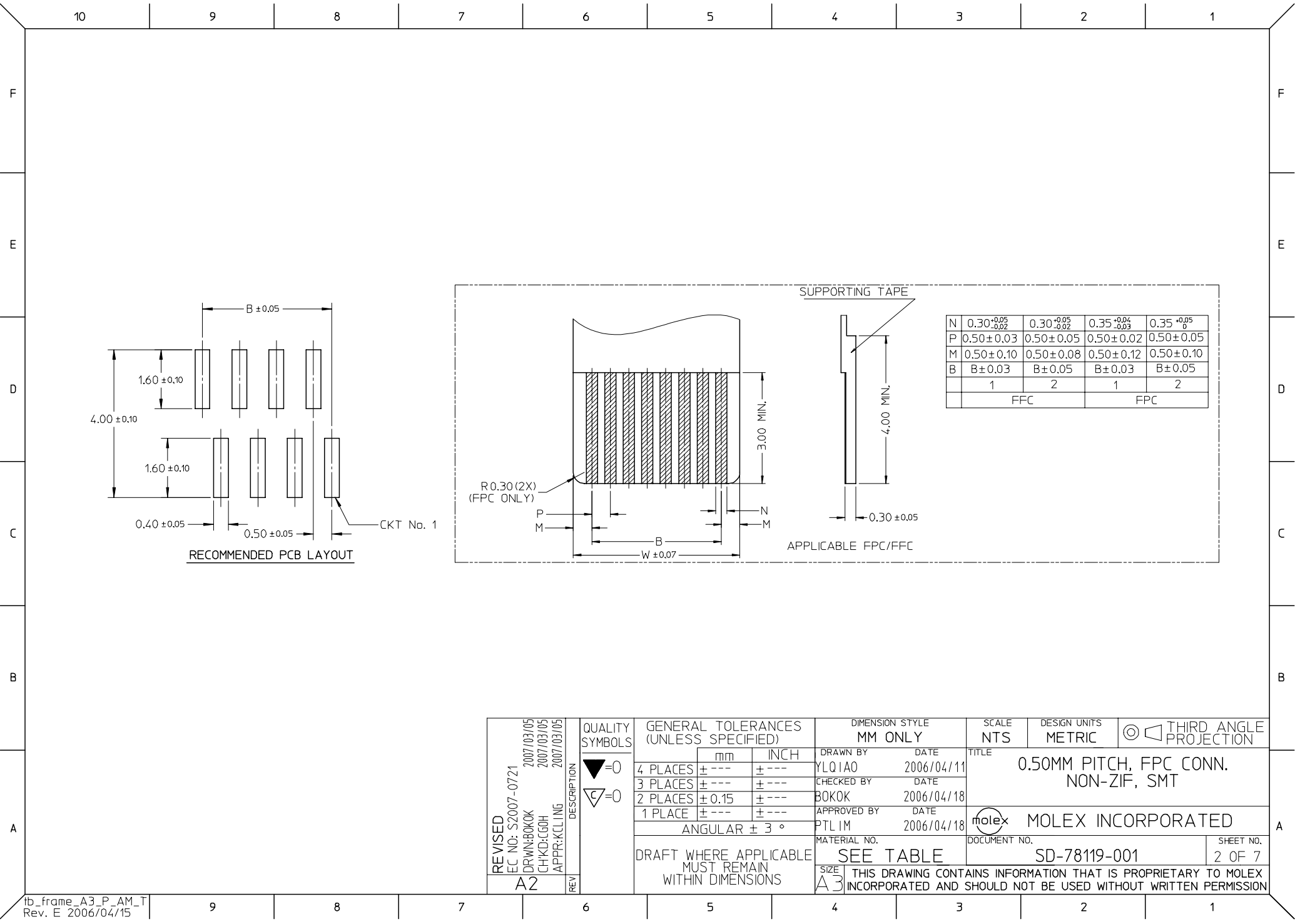
Mates With

[Standard FFC/FPC Cables](#)

This document was generated on 06/07/2010

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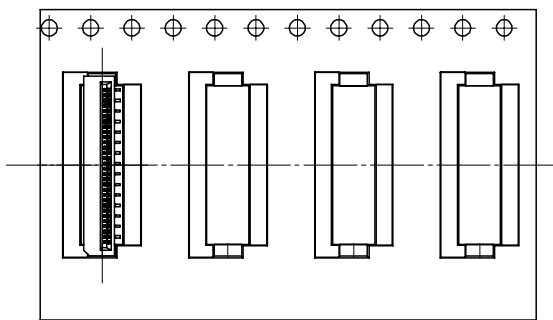


A

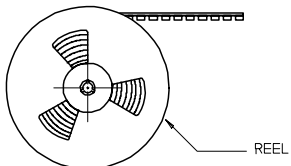
ASSY P/N W/O PACKAGING	CKT	DIM A	DIM B	DIM C	DIM D	PLATING TYPE
78119-0318	31	17.60	15.00	16.90	16.10	1
78119-0328	32	18.10	15.50	17.40	16.60	
78119-0338	33	18.60	16.00	17.90	17.10	
78119-0348	34	19.10	16.50	18.40	17.60	
78119-0358	35	19.60	17.00	18.90	18.10	
78119-0368	36	20.10	17.50	19.40	18.60	
78119-0378	37	20.60	18.00	19.90	19.10	
78119-0388	38	21.10	18.50	20.40	19.60	
78119-0398	39	21.60	19.00	20.90	20.10	
78119-0408	40	22.10	19.50	21.40	20.60	
78119-0418	41	22.60	20.00	21.90	21.10	
78119-0428	42	23.10	20.50	22.40	21.60	

tb_frame_A3_P_AM_T
Rev. E 2006/04/15

EMBOSSED TYPE A



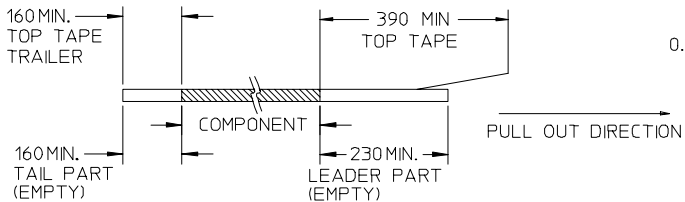
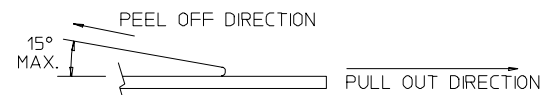
CUSTOMER
PULL OUT DIRECTION



REEL

NOTES:

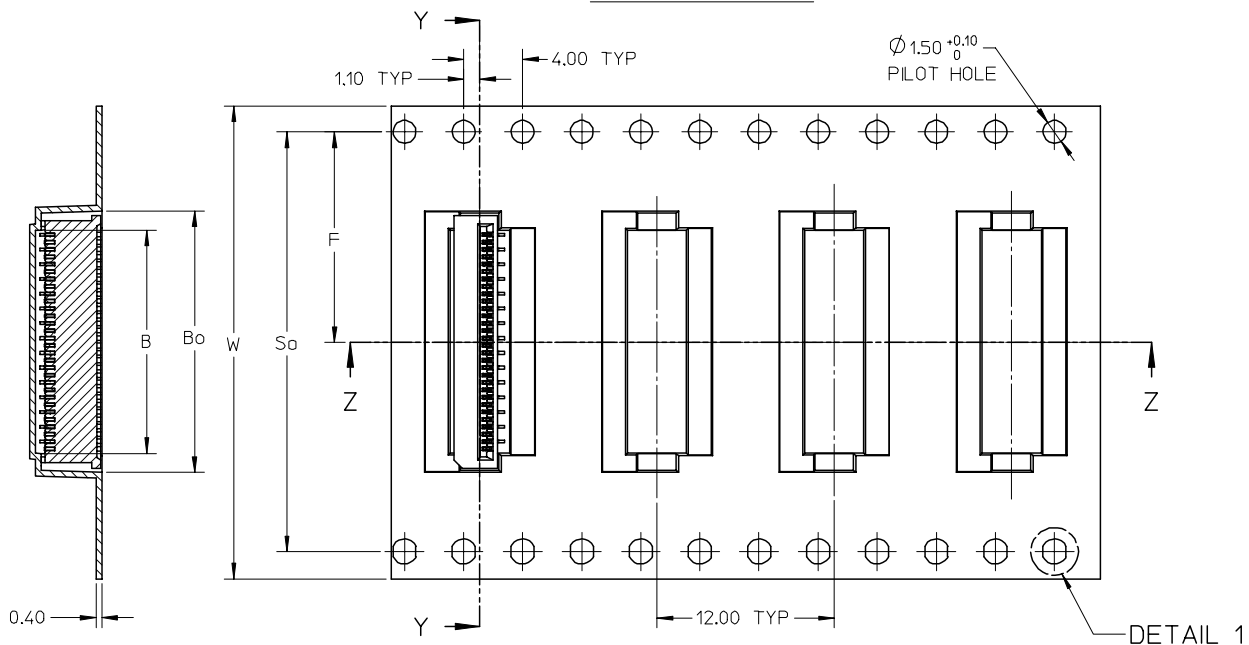
1. LEADER AND TRAILER TAPE

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

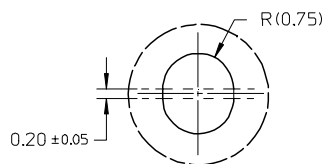
3. PACKAGING STANDARD IS AS PER EIA-481.

4. TAPE & REEL QUANTITY = 1000 PCS/REEL

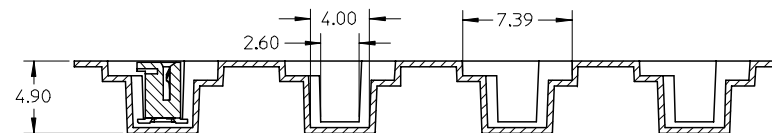
EMBOSSED TYPE B



SECTION Y-Y



DETAIL 1



SECTION Z-Z

REVISED EC NO: S2007-0721 DRWN:BOKOK CHKD:CGOH APPR:KCLING A2	2007/03/05	DESCRIPTION 2007/03/05 2007/03/05	QUALITY SYMBOLS ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																
	<table><tr><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES ± ---</td><td>± ---</td></tr><tr><td>3 PLACES ± ---</td><td>± ---</td></tr><tr><td>2 PLACES ± 0.15</td><td>± ---</td></tr><tr><td>1 PLACE ± ---</td><td>± ---</td></tr><tr><td colspan="2">ANGULAR ± 3 °</td></tr></table>			mm	INCH	4 PLACES ± ---	± ---	3 PLACES ± ---	± ---	2 PLACES ± 0.15	± ---	1 PLACE ± ---	± ---	ANGULAR ± 3 °		<table><tr><td>DRAWN BY YLQIAO</td><td>DATE 2006/04/11</td></tr><tr><td>CHECKED BY BOKOK</td><td>DATE 2006/04/18</td></tr><tr><td>APPROVED BY PTL IM</td><td>DATE 2006/04/18</td></tr></table>		DRAWN BY YLQIAO	DATE 2006/04/11	CHECKED BY BOKOK	DATE 2006/04/18	APPROVED BY PTL IM	DATE 2006/04/18	TITLE 0.50MM PITCH, FPC CONN. NON-ZIF, SMT		
	mm			INCH																						
	4 PLACES ± ---			± ---																						
	3 PLACES ± ---			± ---																						
2 PLACES ± 0.15	± ---																									
1 PLACE ± ---	± ---																									
ANGULAR ± 3 °																										
DRAWN BY YLQIAO	DATE 2006/04/11																									
CHECKED BY BOKOK	DATE 2006/04/18																									
APPROVED BY PTL IM	DATE 2006/04/18																									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE																								
		MATERIAL NO.		DOCUMENT NO.		SHEET NO.																				
		SIZE A3		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	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		
	78119-1069	78119-0069	6	24.00	-	11.50	5.40	3.10	A	78119-1319	78119-0319	31	32.00	28.40	14.20	17.90	15.60				
	78119-1079	78119-0079	7	24.00	-	11.50	5.90	3.60		78119-1329	78119-0329	32	32.00	28.40	14.20	18.40	16.10				
	78119-1089	78119-0089	8	24.00	-	11.50	6.40	4.10		78119-1339	78119-0339	33	32.00	28.40	14.20	18.90	16.60				
	78119-1099	78119-0099	9	24.00	-	11.50	6.90	4.60		78119-1349	78119-0349	34	32.00	28.40	14.20	19.40	17.10				
	78119-1109	78119-0109	10	24.00	-	11.50	7.40	5.10		78119-1359	78119-0359	35	32.00	28.40	14.20	19.90	17.60				
	78119-1119	78119-0119	11	24.00	-	11.50	7.90	5.60		78119-1369	78119-0369	36	32.00	28.40	14.20	20.40	18.10				
	78119-1129	78119-0129	12	24.00	-	11.50	8.40	6.10		78119-1379	78119-0379	37	32.00	28.40	14.20	20.90	18.60				
	78119-1139	78119-0139	13	24.00	-	11.50	8.90	6.60		78119-1389	78119-0389	38	32.00	28.40	14.20	21.40	19.10				
	78119-1149	78119-0149	14	24.00	-	11.50	9.40	7.10		78119-1399	78119-0399	39	44.00	40.40	20.20	21.90	19.60				
D	78119-1159	78119-0159	15	24.00	-	11.50	9.90	7.60		B	78119-1409	78119-0409	40	44.00	40.40	20.20	22.40		20.10		
	78119-1169	78119-0169	16	24.00	-	11.50	10.40	8.10	78119-1419		78119-0419	41	44.00	40.40	20.20	22.90	20.60				
	78119-1179	78119-0179	17	24.00	-	11.50	10.90	8.60	78119-1429		78119-0429	42	44.00	40.40	20.20	23.40	21.10				
	78119-1189	78119-0189	18	24.00	-	11.50	11.40	9.10													
	78119-1199	78119-0199	19	24.00	-	11.50	11.90	9.60													
	78119-1209	78119-0209	20	24.00	-	11.50	12.40	10.10													
	78119-1219	78119-0219	21	32.00	28.40	14.20	12.90	10.60													
	78119-1229	78119-0229	22	32.00	28.40	14.20	13.40	11.10													
	78119-1239	78119-0239	23	32.00	28.40	14.20	13.90	11.60													
	78119-1249	78119-0249	24	32.00	28.40	14.20	14.40	12.10													
C	78119-1259	78119-0259	25	32.00	28.40	14.20	14.90	12.60	B												
	78119-1269	78119-0269	26	32.00	28.40	14.20	15.40	13.10													
	78119-1279	78119-0279	27	32.00	28.40	14.20	15.90	13.60													
	78119-1289	78119-0289	28	32.00	28.40	14.20	16.40	14.10													
	78119-1299	78119-0299	29	32.00	28.40	14.20	16.90	14.60													
	78119-1309	78119-0309	30	32.00	28.40	14.20	17.40	15.10													
B																			B		
A																					
	10	9	8	7	6	5	4	3	2	1											

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

DESCRIPTION

REV

QUALITY
SYMBOLS

▽=0
▽C=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	2006/04/11
CHECKED BY	DATE
BOKOK	2006/04/18
APPROVED BY	DATE
PTL IM	2006/04/18

MATERIAL NO.

SEE TABLE

SIZE
A3

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

0.50MM PITCH, FPC CONN.
NON-ZIF, SMT

MOLEX INCORPORATED

DOCUMENT NO.
SD-78119-001

SHEET NO.
7 OF 7

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ib_frame_A3_P_AM_T
Rev. E 2006/04/15

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

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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